

MIRION **Connect** 25

Annual Users' Conference

INNOVATION AT WORK

Connecting Visionaries in Radiation Safety, Science and Industry

Conrad Orlando Resort, FL – July 28th – August 1st



MIRION
TECHNOLOGIES

MC25 – Breakout Session

DosiServ

BLEUSE Olivier

Dosimetry & Telemetry – Product Line Manager

Mirion Connect | Annual Users' Conference 2025

Orlando, Florida

Agenda

- **DosiServ Introduction**
- **DosiServ Part 2: Advanced features**
- **DosiServ Part 3: DosiServ 2026
US features & Roadmap**

DosiServ – Part 2

- DosiServ 2023 (V1.30.5)
- Alarms managements
- Contamination Events

DosiServ – Part 3

- DosiServ & Legal dose
- DosiServ & Equipment Management
- Data Migration to DosiServ
- DosiServ 2026
 - Cybersecurity
 - New features
 - Access control
 - Form 4 / Form 5
- Roadmap

DosiServ – Part 2

- DosiServ 2023 (V1.30.5)

Introduction



19^c ORACLE[®]
Database

Microsoft
SQL Server
2019



- The DosiServ dosimetry system is an integrated **state of the art dose management** system.

➔ **Current version name : DosiServ 2023**

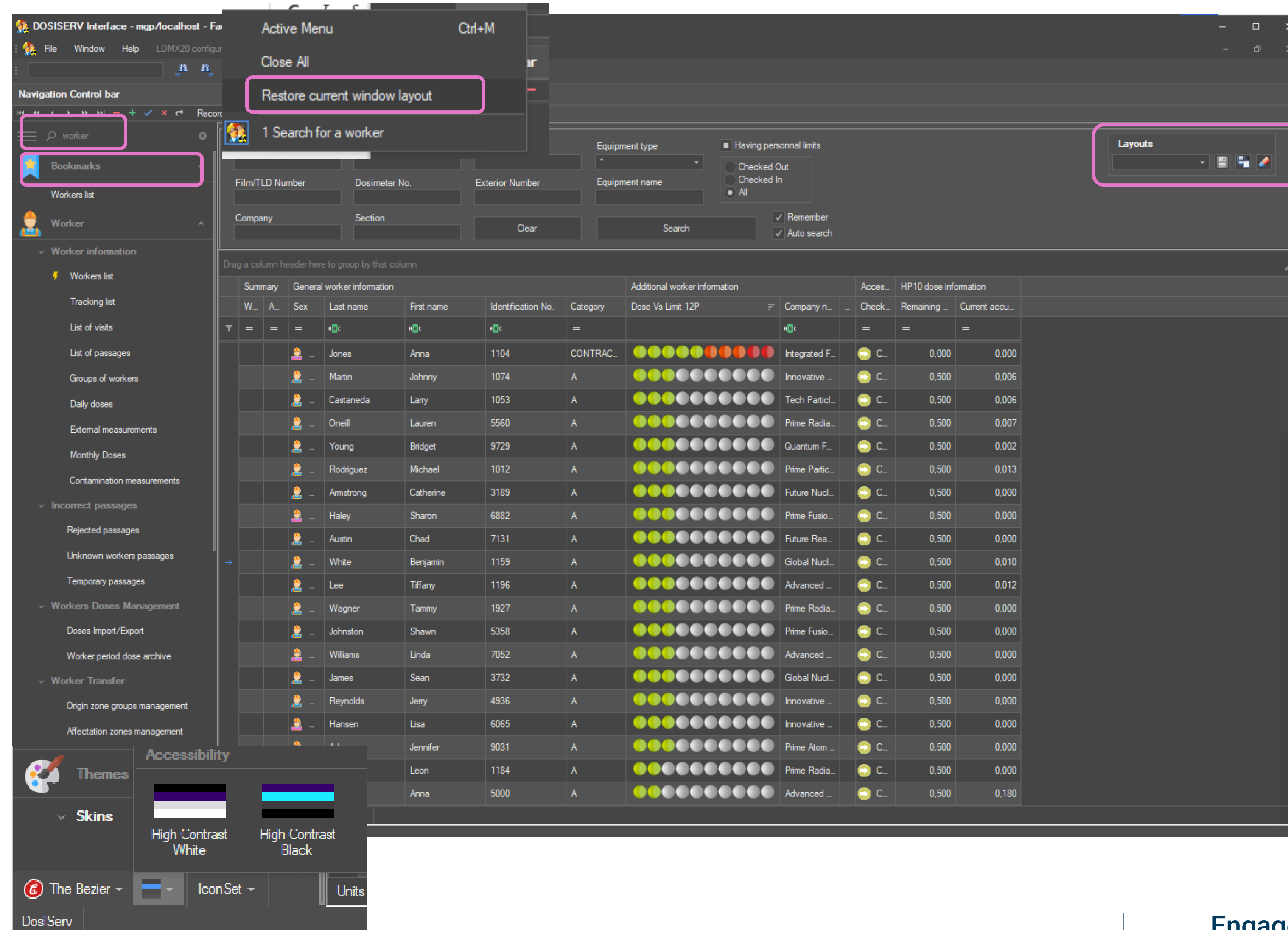
It is fully **scalable** in order to comply with nuclear power plant as well as smaller industry expectations.

Multi-languages

Features (New GUI)

- New GUI (Graphical User Interface) offering many enhancements in order to enhance user experience and improve efficiency

Bookmarks
Menu Search
Custom layouts
New Styles
Restore original layout



Features (New Lists)

- New list independent from worker details allow to create custom reports
Example : year 2024 monthly doses for all workers

The screenshot displays the DOSISERV interface for 'Factory - CONFIG SITE - [Workers monthly doses]'. The left sidebar shows navigation options like 'Bookmarks', 'Monthly Doses', 'Workers list', 'List of visits', 'Administration', and 'Worker'. The main area features a search bar with filters for Worker ID, External ID, Last Name, First Name, Start Date, End Date, Measures, Company, Section, Sec number, and Local companies. Below the search bar is a table of worker data. A context menu is open over the table, showing options like 'Print Preview', 'Export', and 'Export to XLSX'.

Worker ID	External ID	Last Name	First Name	Start Date	End Date	Measures	Company	Section	Sec number	Local companies
1147	525402	Perez	Justin	01/02/2024	29/02/2024	0.000	Global Atom...	HP10G		
1012	786139	Rodriguez	Michael	01/02/2024	29/02/2024	0.000	Prime Partic...	HP10G		
1159	544739	White	Benjamin	01/02/2024	29/02/2024	0.175	Global Nucl...	HP10G		
1020	351948	Bryan	April	01/02/2024	29/02/2024	0.000	Prime Partic...	HP10G		
1046	321400	James	Sabrina	01/02/2024	29/02/2024	0.214	Integrated R...	HP10G		
1169	501960	Richardson	Christina	01/02/2024	29/02/2024	0.000	Global Nucl...	HP10G		
1184	223429	Estrada	Leon	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1196	641862	Lee	Tiffany	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1053	597114	Castaneda	Larry	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1074	894527	Martin	Johnny	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1199	625392	Walker	Cory	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
2896	901108	Taylor	Ronald	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1104	605275	Jones	Anna	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1111	776650	Lopez	Melinda	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1203	688635	West	Jimmy	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1203	688635	West	Jimmy	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1111	776650	Lopez	Melinda	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1104	605275	Jones	Anna	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
2896	901108	Taylor	Ronald	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1199	625392	Walker	Cory	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1074	894527	Martin	Johnny	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1053	597114	Castaneda	Larry	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1196	641862	Lee	Tiffany	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1184	223429	Estrada	Leon	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1169	501960	Richardson	Christina	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1046	321400	James	Sabrina	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1020	351948	Bryan	April	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1159	544739	White	Benjamin	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1012	786139	Rodriguez	Michael	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		
1147	525402	Perez	Justin	01/02/2024	29/02/2024	0.000	Integrated R...	HP10G		

Several new lists have been added (monthly dose list, contamination measurement list, etc.) to provide access to all measurements without needing to navigate through worker details. Since all lists can be exported to Excel, this allows users to generate customized spreadsheets for designing tailored dosimetric reports.

Features (Dashboard improvements)

- Several instance of the same widget (using different parameter set)



Features (Track a DMC)

- Based on serial number quickly access to

When it was used for the last time
Where it was used for the last time
Who used for the last time
Last Job it was used for
Zoom in

Drag a column header here to group by that column														
Dosimeter		Tracking information			Last or current worker information				Additional information					
Dosimeter		Currently in use	Current area (name)	Last use	Last reader	Worker ID	Last name	First name	Company name	TLD number	Task No.	Task name	RWP opera	RWP
+	904479			03/05/2024 20:44:00	Unit 1 : RCA	1203	West	Jimmy	Quantum Quantum Gro	5602	Performanc	7		
-	904487			12/12/2023 16:21:00	Unit 1 : RCA	6320	Pailey	Stephen	Innovative Particle Sys	8058	Inspect Saf	21	2023-21	
Dosimeter last journey description														
Drag a column header here to group by that column														
Last journey description										Additional information				
	Date/Time of Passage	Passage type	Passage status	Reader name	Origin area label		Destination area label			TLD number	Task No.	Task name	RWP operator code	RWP
→	12/12/2023 16:21:00	Area exit	✓ Passage Done	Unit 1 : RCA Entry an	UNIT 1 Main RCA		OUT			8058	Inspect Safety Gear	21	2023-2	
	12/12/2023 15:58:00	Area exit	✓ Passage Done	Unit 1 : RCA Entry an	UNIT 1 Main RCA		OUT			6351	Communications Set	94	2023-9	
	12/12/2023 15:29:00	Area exit	✓ Passage Done	Unit 1 : RCA Entry an	UNIT 1 Main RCA		OUT			4067	Operational Testing	58	2024-5	
	12/12/2023 15:27:00	Area entry	✓ Passage Done	Unit 1 : RCA Entry an	OUT		UNIT 1 Main RCA			6351	Communications Set	94	2023-9	

Features (Smart Offline)

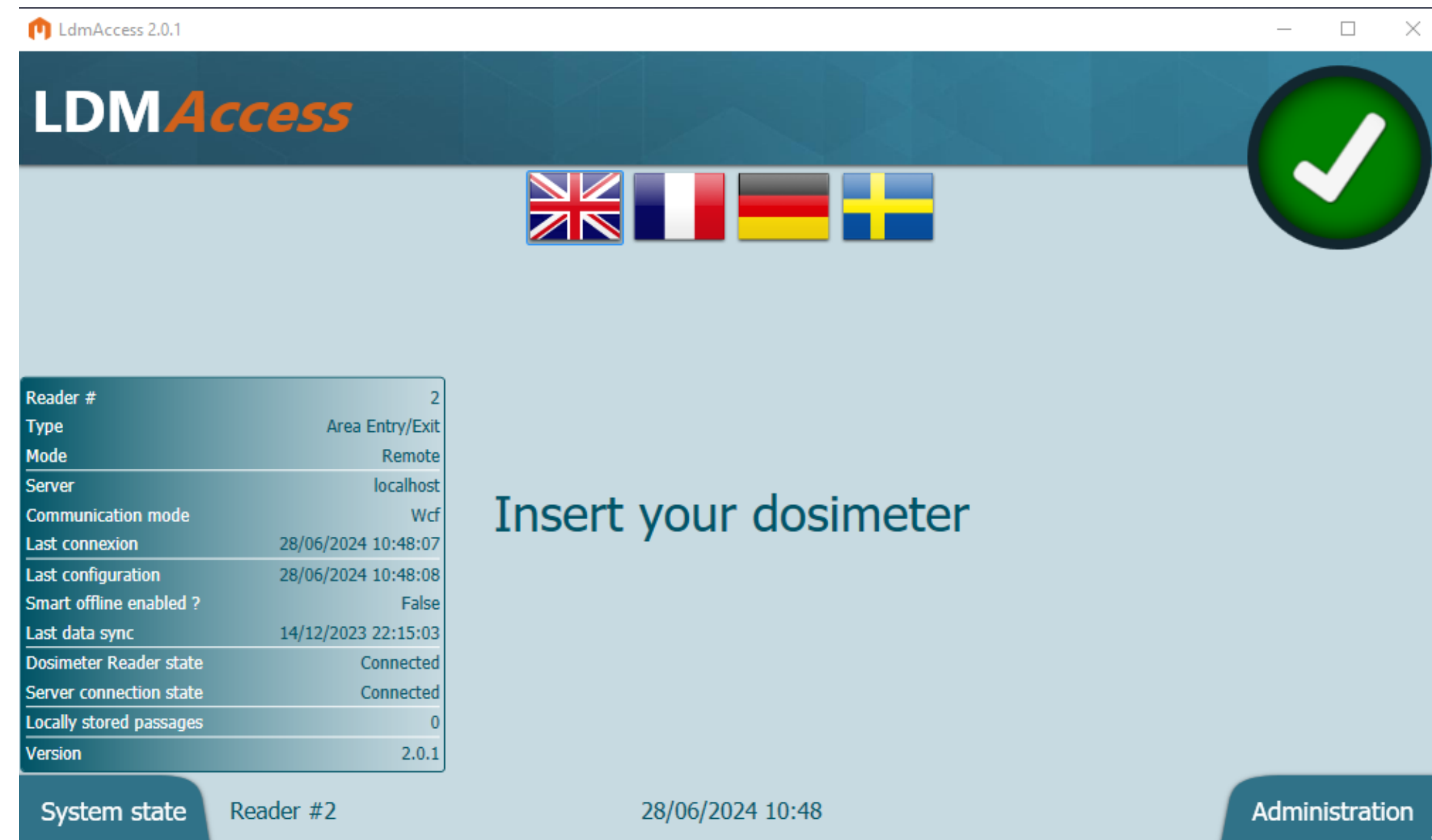
- Improvement to make the reader smart offline even smarter

Check worker/task/RWP authorizations

Offer list selection

Program dosimeters based on Job code setting

Easy/on demand update



Features (Personnal alarms validity)

- When raising personal limits of worker, one can define a validity date for those personal values.

This Worker has gone over the yearly limit of his category

This personal limit will be valid until a certain date

RP will increase personal yearly limit

The screenshot displays the 'Worker Details' window for Mrs. Jones (ID 1104). The interface includes a search bar at the top, a list of workers on the left, and a main panel for 'Dose Limits'. The 'Dose Limits' panel is divided into several sections: 'Worker limits', 'Category limits', 'Company limits', 'Effective limits', and 'Dose Credits'. The 'Worker limits' section shows a table of limits for HP10 and HP007, with a 'Validity date' of 30/08/2024. The 'Effective limits' section shows the current limits for HP10 and HP007, with a 'Maximum duration threshold' of 3,000. The 'Dose Credits' section shows the current credits for HP10 and HP007, with a 'Maximum duration threshold' of 0,613. The interface also includes a 'Search for a worker' section at the top left, a 'Worker Details' section at the top right, and a 'Dose Limits' section at the bottom.

Worker limits	Category limits	Company limits	Effective limits	Dose Credits
HP10 Daily limits Monthly limits 30/08/2024	HP10 HP10 daily limit HP10 7 days limit HP10 30 days limit HP10 life limit	HP10 HP10 daily limit HP10 7 days limit HP10 30 days limit HP10 life limit	HP10 HP10 daily limit HP10 7 days limit HP10 30 days limit HP10 life limit	HP10 - Daily credits HP10 - daily credit HP10 - 7 days credit HP10 - 30 days credit HP10 - Life credit
HP10 P limit HP10 3P limit HP10 annual limit 3,000 HP10 5 years limit	HP10 P limit HP10 3P limit HP10 annual limit 1,000 HP10 5 years limit	HP10 P limit HP10 3P limit HP10 annual limit HP10 5 years limit	HP10 P limit HP10 3P limit HP10 annual limit 3,000 HP10 5 years limit	HP10 - Monthly credits HP10 - 3P credit HP10 - annual credit 0,613 HP10 - 5 years credit
HP007 HP007 daily limit HP007 7 days limit HP007 30 days limit HP007 life limit	HP007 HP007 daily limit HP007 7 days limit HP007 30 days limit HP007 life limit	HP007 HP007 daily limit HP007 7 days limit HP007 30 days limit HP007 life limit	HP007 HP007 daily limit HP007 7 days limit HP007 30 days limit HP007 life limit	HP007 - Daily credits HP007 - daily credit HP007 - 7 days credit HP007 - 30 days credit HP007 - Life credit
HP007 P limit HP007 XP limit HP007 annual limit HP007 5 years limit	HP007 P limit HP007 XP limit HP007 annual limit HP007 5 years limit	HP007 P limit HP007 XP limit HP007 annual limit HP007 5 years limit	HP007 P limit HP007 XP limit HP007 annual limit HP007 5 years limit	HP007 - Monthly credits HP007 - 3P credit HP007 - annual credit HP007 - 5 years credit

Features (Task/RWP personnel budgets)

- In addition to the budget for the entire task, on can add a maximum dose budget a single worker can pick up. (Same for RWP)

Max budget for an individual

Keep Allowing Access

Bonus : Max dose rate and max Dose observed during a visit on that job

Search Parameters

Task No. Valid from Valid To ☒ Auto search

Drag a column header here to group by that column

General task information			Validity period (in days)		Task dosimetry		Maximum doses			
Task No.	Task name	Comments	valid from	valid to	Suspended	HP10 dose ov...	Estimated t...	HP10G total dose	HP10G max dose	HP10G max rate
5999	Project Planning		16/05/2023	06/05/2024	<input type="checkbox"/>	●●●●●●●●	1,000	2.9		
8171	Performance Review		12/06/2023	28/11/2024	<input type="checkbox"/>	●●●●●●●●	2,000	3.6		
3179	Equipment Testing		17/06/2023	08/05/2024	<input type="checkbox"/>	●●●●●●●●	4,000	3.6		
5902	Inspect Safety Gear		06/10/2023	24/03/2024	<input type="checkbox"/>	●●●●●●●●	5,000	4.0		
5160	Coolant System Check		27/11/2023	21/05/2024	<input type="checkbox"/>	●●●●●●●●	6,000	4.3		
1221	Document Review		29/07/2023	08/04/2024	<input type="checkbox"/>	●●●●●●●●	5,000	3.4		
2618	Field Survey Building 1		17/01/2023	09/08/2024	<input type="checkbox"/>	●●●●●●●●	8,000	4.8	0,561	1,000
3884	Safety Briefing						3,052	0.693	1,000	1,000
7570	Technical Writing						1,866	0.227	1,000	1,000
8058	Inspect Safety Gear						1,838	0.403	1,000	1,000
1457	Radiation Monitoring						2,089	0.569	1,000	1,000
1588	Logistics Planning						2,406	0.577	1,000	1,000
8408	Hazard Assessment						1,399	0.400	1,000	1,000
3514	Regulatory Compliance						1,521	0.439	1,000	1,000
							2,261	0.576	1,000	1,000
							1,351	0.647	1,000	1,000
							1,284	0.472	1,000	1,000
							2,554	0.631	1,000	1,000
							1,440	0.413	1,000	1,000
							2,035	0.695	1,000	1,000
							1,948	0.656	1,000	1,000
							2,428	0.633	1,000	1,000
							2,093	0.416	1,000	1,000
							1,780	0.580	1,000	1,000
							1,388	0.498	1,000	1,000
							2,935	0.515	1,000	1,000
							3,223	0.489	1,000	1,000
							3,421	0.699	1,000	1,000
							3,492	0.666	1,000	1,000
							1,267	0.437	1,000	1,000
							2,706	0.573	1,000	1,000
							0,760	0.336	1,000	1,000

Task information

Task 2618 Field Survey Building 1

Information Daily Doses Dashboard

Dose and duration limit for individual worker

HP10 estimated individual dose limit 0,500

HP007 estimated individual dose limit

Estimated individual duration

Access control on individual dose/d...

Access denied if estimated dose is r...

Dose and duration limit for individual worker

HP10 estimated individual dose limit 0,500

HP007 estimated individual dose limit

Estimated individual duration

Access control on individual dose/d...

Min. dose credit necessary for using the task

HP10 minimum dose

HP007 minimum dose

Dose alarm setpoints

HP10 dose threshold

HP007 dose alarm

Neutron fraction (%)

Dose pre-alarm setpoints

HP10GN dose pre-alarm

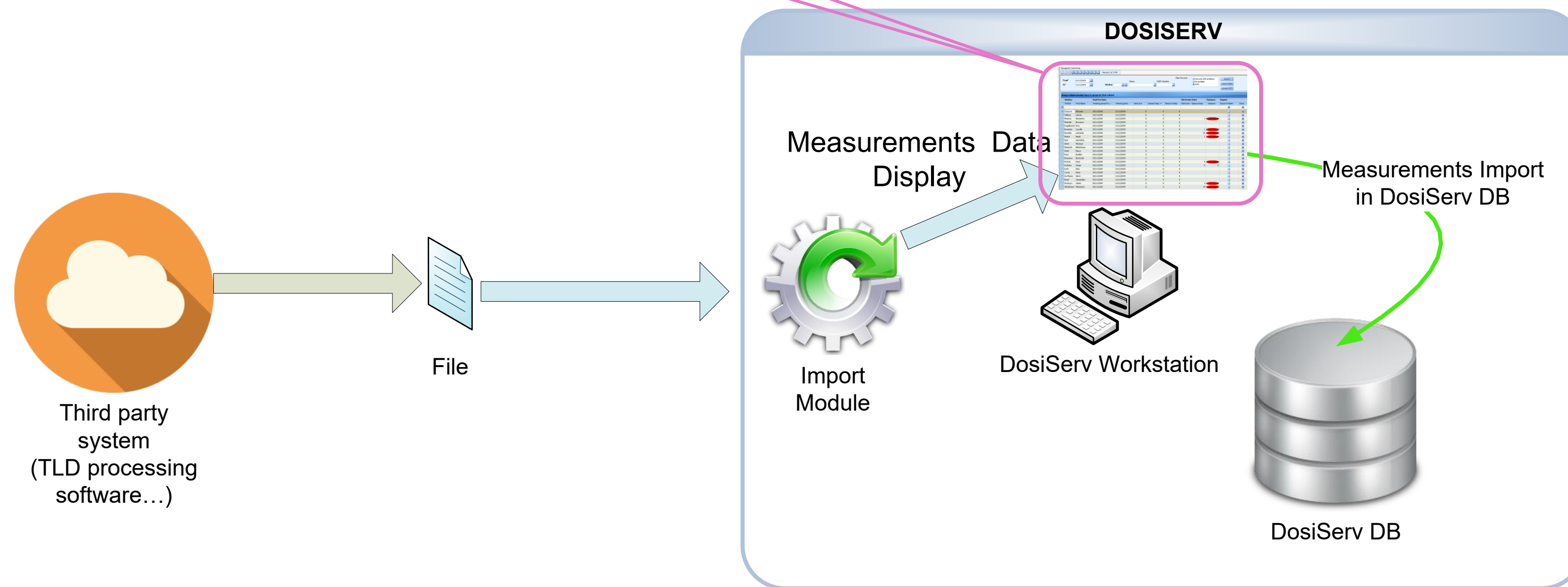
HP007 dose pre-alarm

Units for Dose and Rate: mSv; mSv/h

Features (External TLD import)

- Using a excel csv predefined file one can import external doses previewing values

Compare with electronic
values prior to final import



Features (Body Monitors measure import)

- Customizable import to collect generic Body monitors measurements and save those into worker data

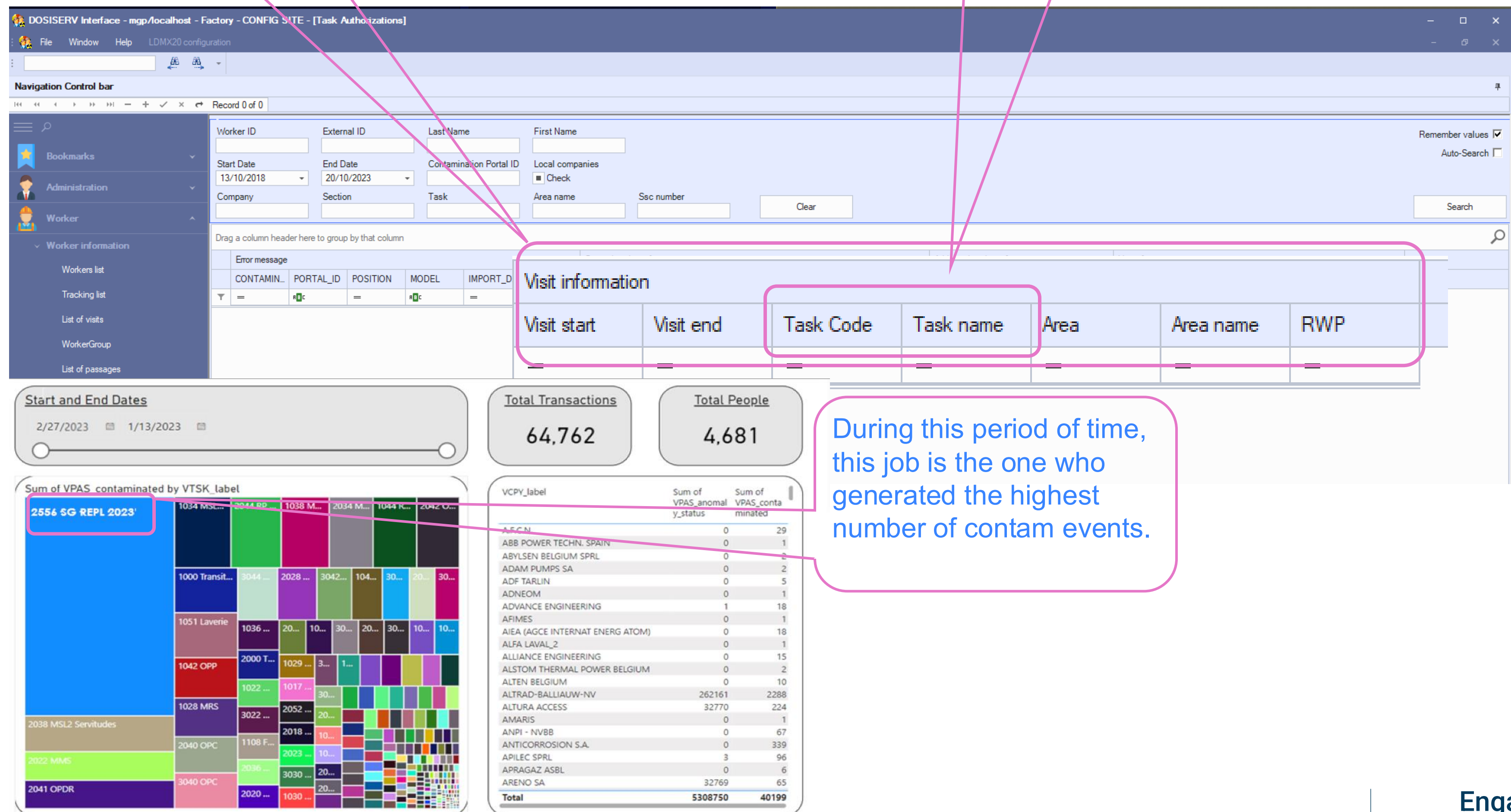
The screenshot displays the DOSISERV Interface for 'Factory - CONFIG SITE - [Task Authorizations]'. The interface includes a top menu bar with 'File', 'Window', and 'Help'. Below this is a 'Navigation Control bar' showing 'Record 0 of 0'. A sidebar on the left contains a 'Worker' section with a list of options: 'Workers list', 'Tracking list', 'List of visits', 'WorkerGroup', 'List of passages', 'Daily doses', 'ExternalMeasurements', 'MonthlyDoses', and 'ContaminationMeasurements' (highlighted with a red box). The main area features a form for worker information with fields for 'Worker ID', 'External ID', 'Last Name', 'First Name', 'Start Date', 'End Date', 'Contamination Portal ID', 'Local companies', 'Company', 'Section', 'Task', 'Area name', and 'Ssc number'. A 'Search' button is located at the bottom right of the form. Below the form is a table with columns for 'Error message', 'General worker information', 'Additional worker information', and 'Visit information'. The table has a header row with columns: 'CONTAMIN...', 'PORTAL_ID', 'POSITION', 'MODEL', 'IMPORT_D...', 'Sanction', 'Last Name', 'First Name', 'Social Secu...', 'Worker Id', 'EXTERNAL...', 'Worker's he...', 'Company na...', 'Section code', 'Section name', 'Task Code', 'Task name', 'Area', 'Area name', and 'RWP'. The table body contains one row of data with values: '=', 'c', '=', 'c', '=', '=', 'c', 'c', 'c', 'c', 'c', 'c', 'c', 'c', 'c', 'c', 'c', 'c', 'c', and 'c'.

Features (Body Monitors link measures)

- Imported measures can be linked/connected with electronic dosimetric data (Visits)

Connect measures with visits inside RCA

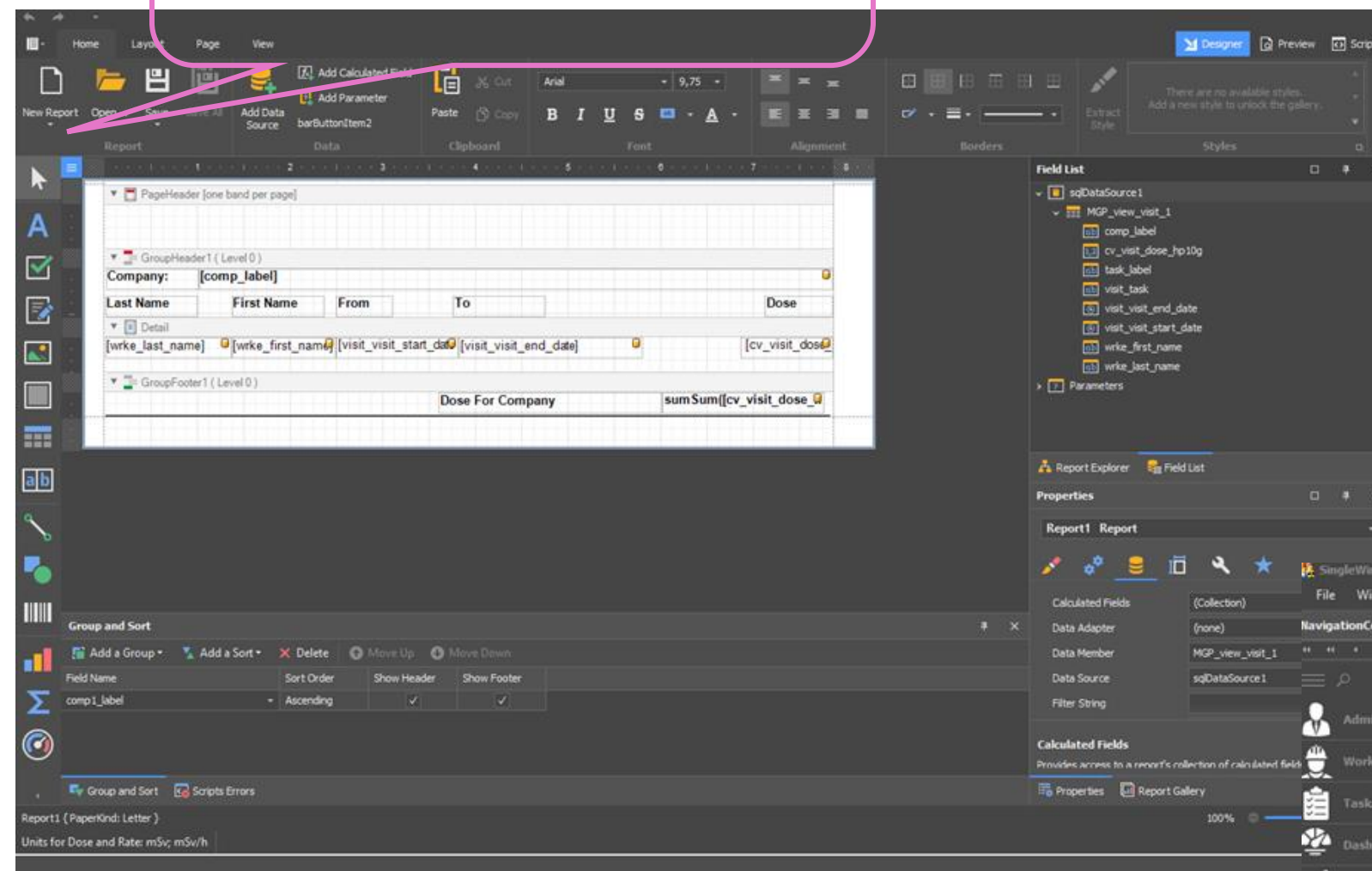
Allows correlation between contam events and jobs/RWP



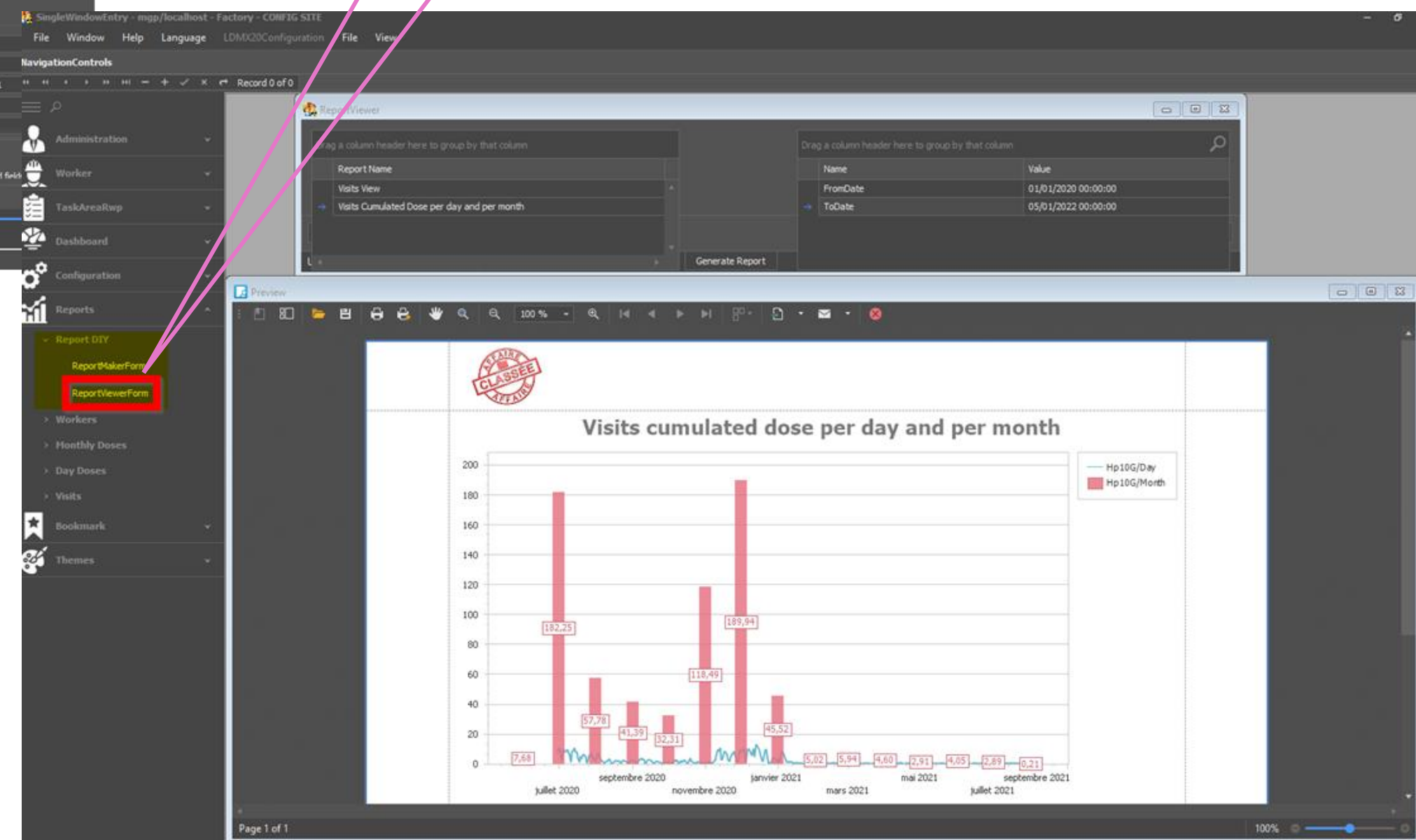
Features (Custom report)

- For expert : one can create a custom (home made) report and incorporate this report into the standard menus

Step 1 : create report



Step 2 : make it available for others



Features (Authorized Jobs/RWP per readers)

- Some site do not have the capability to segregate usage of jobs/RWPs per **zone**, one can now do this per reader

Tasks authorized on this reader

RWPs authorized on this reader

The screenshot shows the 'Reader information' window with a top navigation bar containing 'Software Config.', 'Firmware Config.', 'Extended Configuration', and 'Access control'. Below this are two main panels: 'Available tasks' and 'Assigned Tasks'. The 'Available tasks' panel lists various tasks with their designations, including 'Coolant System Check', 'Training Session', 'Communications Setup', 'Security Patrol', 'Performance Review', 'Radiation Monitoring', 'Environmental Testing', 'Equipment Testing', 'Field Survey', 'Operational Testing', 'Supply Inventory', 'Inspect Safety Gear', 'Budget Review', 'Regulatory Compliance', 'Hazard Assessment', 'Field Survey Building 1', 'Safety Briefing', 'Technical Writing', and 'Project Planning'. The 'Assigned Tasks' panel shows a list of tasks assigned to the reader, including 'Performance Review', 'Inspect Safety Gear', 'System Diagnostics', 'Dosimetry Analysis', 'Logistics Planning', 'Quality Assurance', 'Inspect Safety Gear', 'Public Relations', 'Equipment Testing', 'Facility Audit', 'Operational Testing', 'System Upgrade', and 'Document Review'. At the bottom of the window, there are two buttons: 'Authorized Tasks' and 'Authorized RWP'. The 'Authorized Tasks' button is highlighted with a pink box and a line pointing to the 'Available tasks' list. The 'Authorized RWP' button is highlighted with a pink box and a line pointing to the 'Assigned Tasks' list. The window also has 'Save' and 'Cancel' buttons at the bottom right and a status bar at the bottom indicating 'Units for Dose and Rate: mSv; mSv/h'.

Available tasks	
Task	Designation
5160	Coolant System Check
8377	Training Session
6351	Communications Setup
4894	Security Patrol
5602	Performance Review
1457	Radiation Monitoring
3505	Environmental Testing
3179	Equipment Testing
2738	Field Survey
4067	Operational Testing
2921	Supply Inventory
8250	Inspect Safety Gear
3030	Budget Review
3514	Regulatory Compliance
8408	Hazard Assessment
2618	Field Survey Building 1
3884	Safety Briefing
7570	Technical Writing
5999	Project Planning

Assigned Tasks	
Task	Designation
8171	Performance Review
5902	Inspect Safety Gear
2229	System Diagnostics
6445	Dosimetry Analysis
1588	Logistics Planning
2849	Quality Assurance
8058	Inspect Safety Gear
7862	Public Relations
7683	Equipment Testing
7299	Facility Audit
4318	Operational Testing
8303	System Upgrade
1221	Document Review

Features (Authorized Dosimeters per Jobs/RWP)

- Allows to check, at access control if the worker is using the appropriated DMC for the Job/RWP

What kind of dosimeter is required for this job/RWP

The screenshot displays the 'Task information' window with a dark theme. At the top, there are navigation buttons for 'Information', 'Daily Doses', and 'Dashboard'. The 'Task' field shows '003' and 'Task03'. The 'Record 1 of 1' indicator is in the top right. The main content area is divided into several sections: 'General task information' (Task No., Task name, SISERI Key, Comments, Generic), 'Validity period (in days)' (valid from, valid to, Suspended), 'Expected total dose and duration of task' (Estimated total dose HP10, Estimated total dose HP007, Estimated total duration, Access denied if estimated dose is ...), 'Dose and duration limit for individual worker' (HP10 estimated individual dose limit, HP007 estimated individual dose limit, Estimated individual duration, Access control on individual dose/d...), 'Min. dose credit necessary for using the task' (HP10 minimum dose, HP007 minimum dose), and 'Dose alarm setpoints' (HP10 dose threshold, HP007 dose alarm, Neutron function (fnt)). A modal window titled 'Allowed Dosimeters types' is open, showing a list of dosimeter types: Gamma, Neutron, Beta, GammaContrib, and NFC. The 'Select All / None' option is highlighted. The modal also has 'OK' and 'Cancel' buttons.

General task information	
Task No.	003
Task name	Task03
SISERI Key	
Comments	
Generic	

Validity period (in days)	
valid from	01/10/2023
valid to	01/11/2023
Suspended	<input type="checkbox"/>

Expected total dose and duration of task	
Estimated total dose HP10	
Estimated total dose HP007	
Estimated total duration	
Access denied if estimated dose is ...	

Dose and duration limit for individual worker	
HP10 estimated individual dose limit	
HP007 estimated individual dose limit	
Estimated individual duration	
Access control on individual dose/d...	

Min. dose credit necessary for using the task	
HP10 minimum dose	
HP007 minimum dose	

Dose alarm setpoints	
HP10 dose threshold	
HP007 dose alarm	
Neutron function (fnt)	

Task dose	
HP10G dose rate alarm	
HP10N dose rate alarm	
HP007 dose rate alarm	
Maximum duration alarm	

Allowed Dosimeters types	
<input checked="" type="checkbox"/>	Select All / None
<input type="checkbox"/>	Gamma
<input type="checkbox"/>	Neutron
<input type="checkbox"/>	Beta
<input type="checkbox"/>	GammaContrib
<input type="checkbox"/>	NFC

Features (DosiCyc Nigth Job)

- The night job is now a service instead of a SW to be launched on a scheduled base

The screenshot displays the DosiCyc configuration interface. It is divided into several sections: **General parameters** (Database, Dose and dose rate, Access control, General task information, RWP), **General area information**, **Passages and visits**, **Dates**, **TLD/Films/Dosimeter**, **DIS**, **Exit control**, **Worker**, **Logbook**, and **Site**. At the bottom, there is a **Progression bar** showing the status of the night job (Started, Preparation, Visits, Reports, Archives, Margins, Completed) with corresponding dates and times. A **Start DosiCyc** button is also visible.

Progression bar

Start calculations on a single person

Accessible from General parameters, it can be manually launched

The screenshot shows the DOSISERV Interface. It includes a **Navigation Control bar** with options like Bookmarks, Task information, Monthly Doses, Workers list, List of visits, Administration, Worker, Task/Area/RWP, Dashboard, Configuration, Main Parameters, General Parameters, Periods Configuration, Configuration of health physics category, and Mail dispatchers configuration. A **Search Parameters** section is also present. Below this is a table of workers with columns for Summary, General worker information, and Additional worker information. A context menu is open over the table, showing options like **Reset Worker Password**, **Print Preview**, **Export**, **Assign a dosimeter**, and **Start DosiCyc on this worker**.

DosiServ – Part 2

- DosiServ 2023 (V1.30.5)
- Alarms managements

Architecture

The DosiServ dosimetry system operates with

- ❖ Electronic dosimeters (MIRON's whole range, in hands free mode)
- ❖ Readers (industrial, and/or PC based kiosks)
- ❖ Computer system (server & clients)



LDM 2000



LDM 2000



LDM 3200



LDM 3000



DMC 2000 S



DMC 2000 GN



SORS



DMC 3000



DMC 3000 Beta

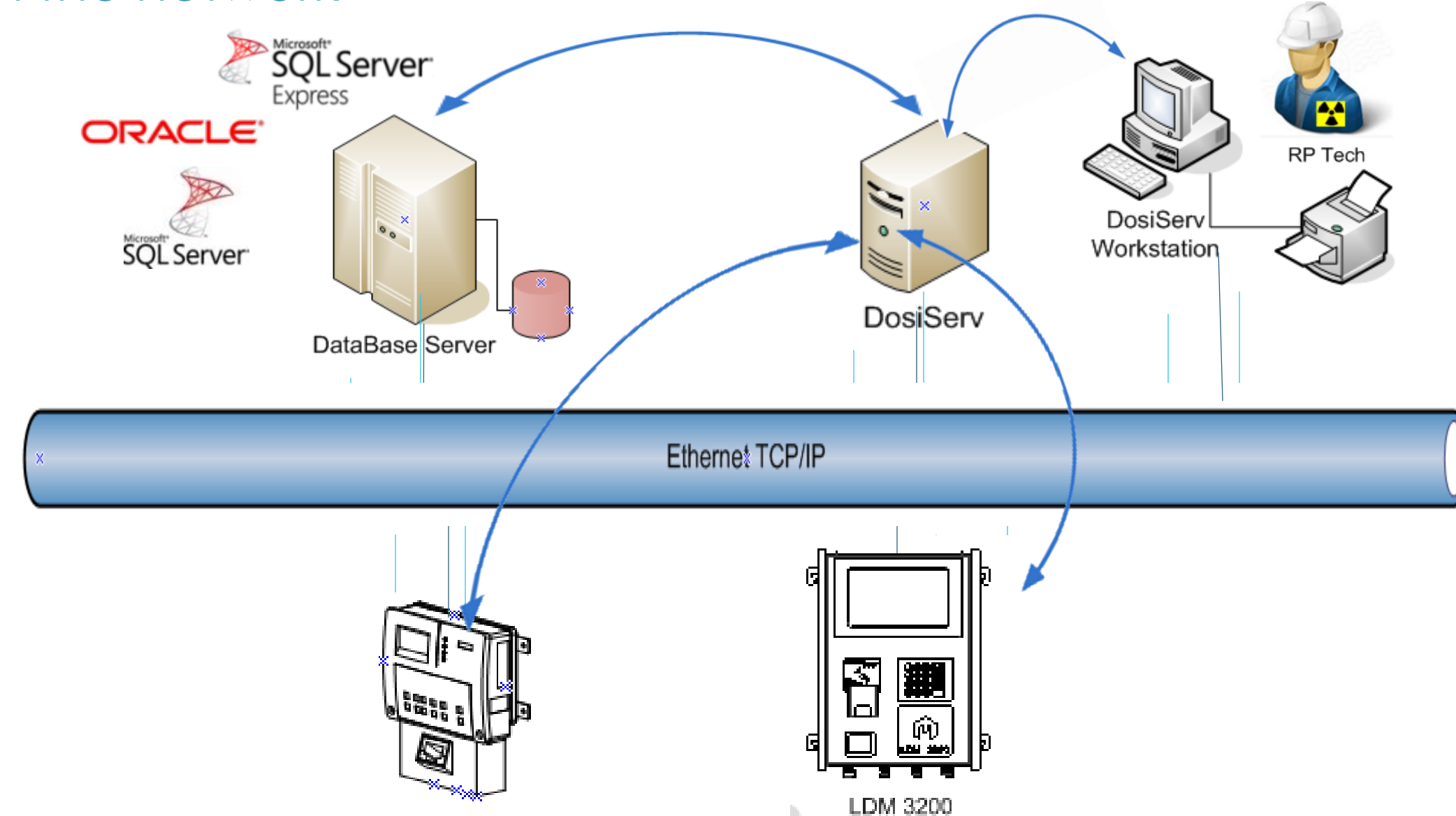


DMC 3000 Neutron

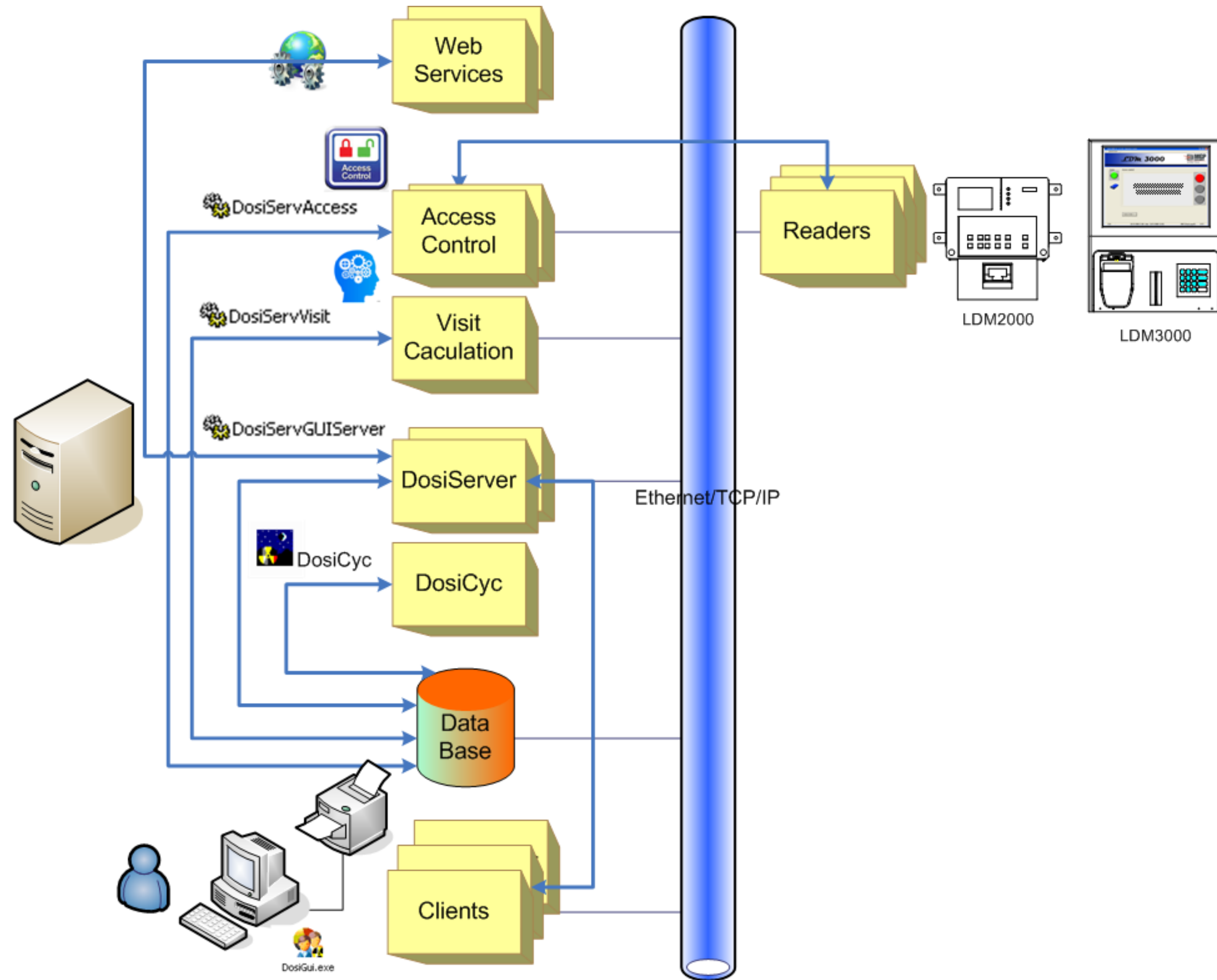
Architecture

The DosiServ dosimetry system operates on the **network** and uses a **database** to store all information

- ❖ The main software resides on a server
- ❖ Main software can connect to a database server or hosts its own database
 - ❖ Oracle
 - ❖ SQL Server
 - ❖ SQL Server express
- ❖ Readers connect to DosiServ through the network
- ❖ Client station for administration connects to DosiServ

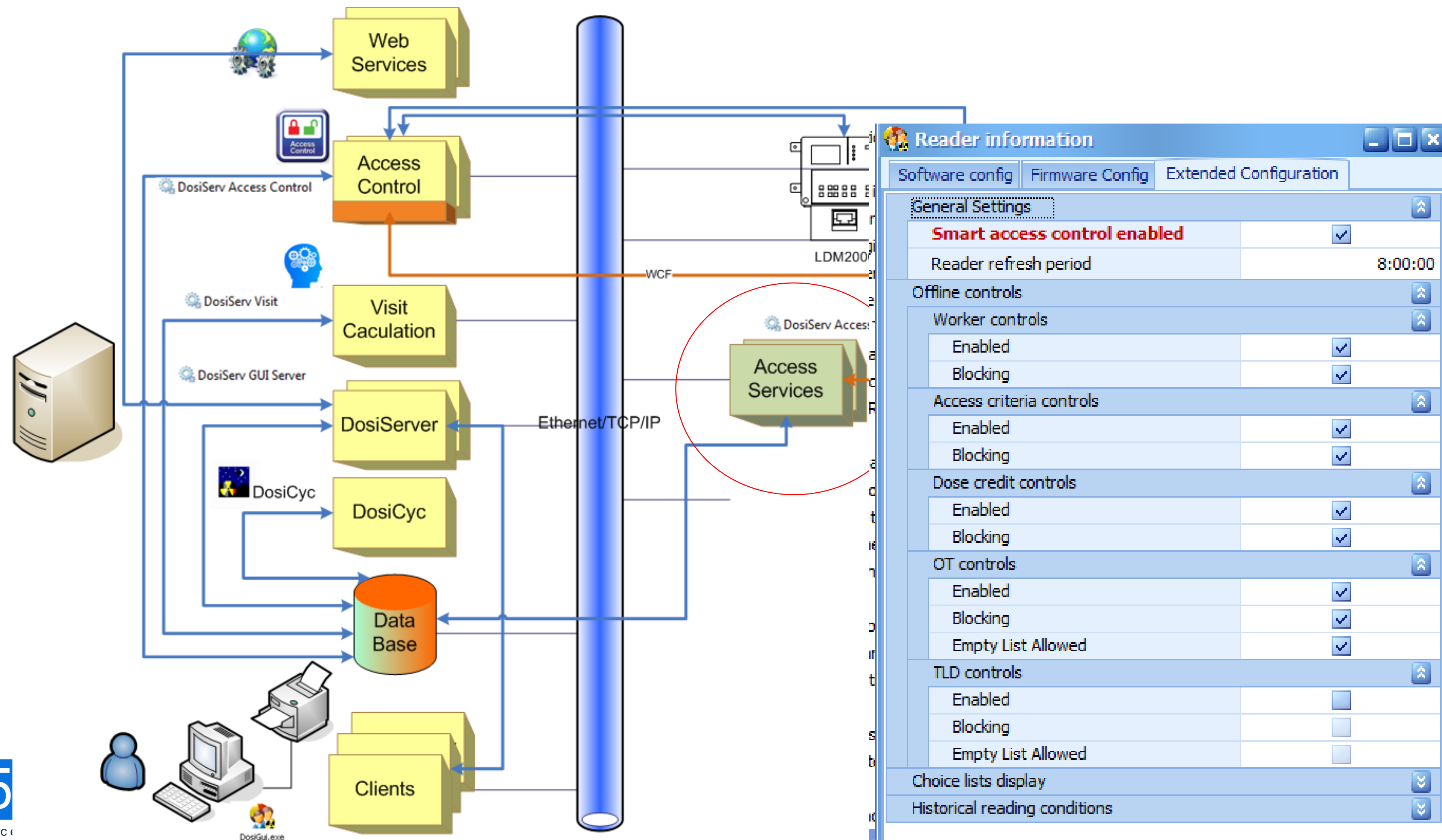


Processes in DosiServ

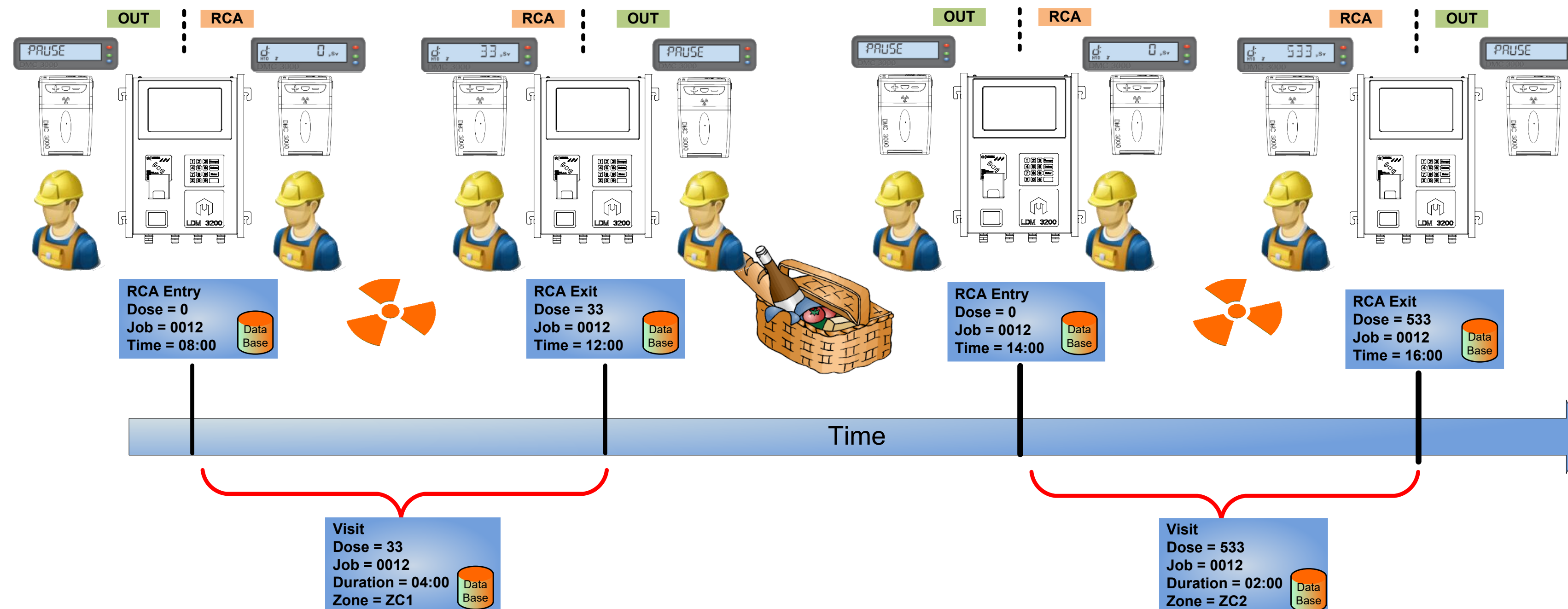


Processes in DosiServ New

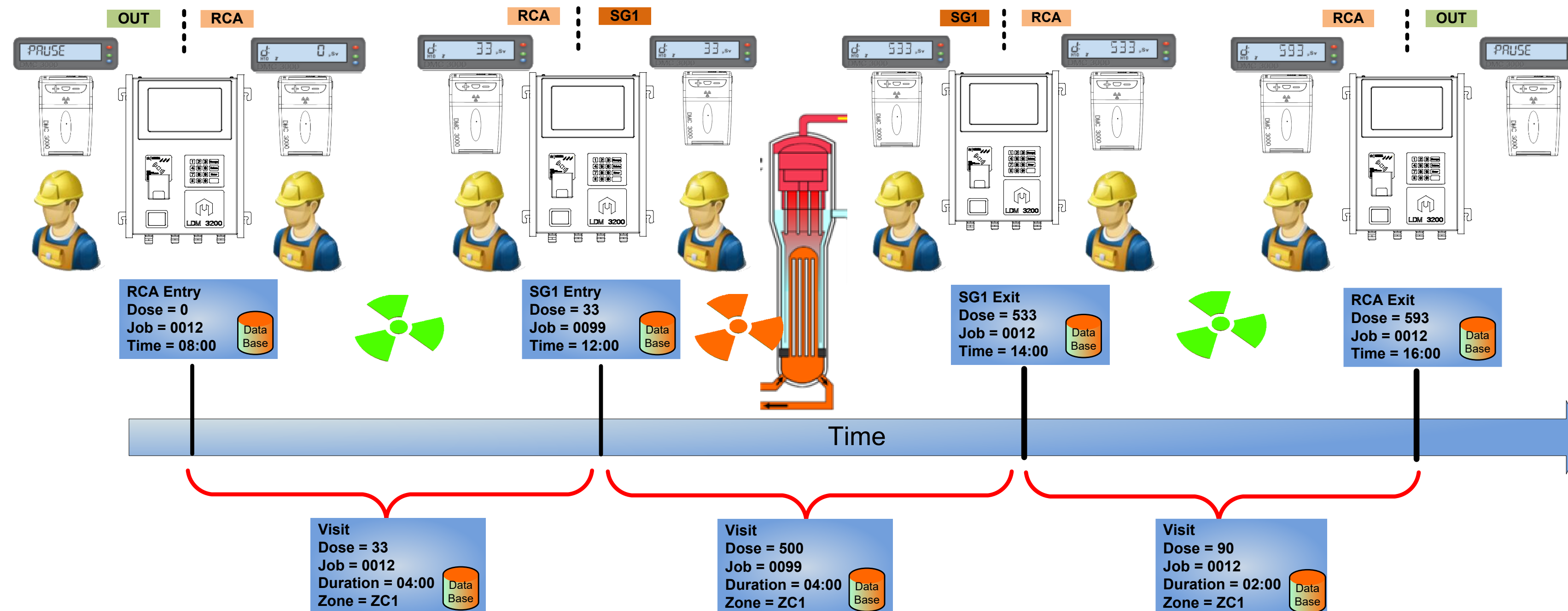
« communication line »



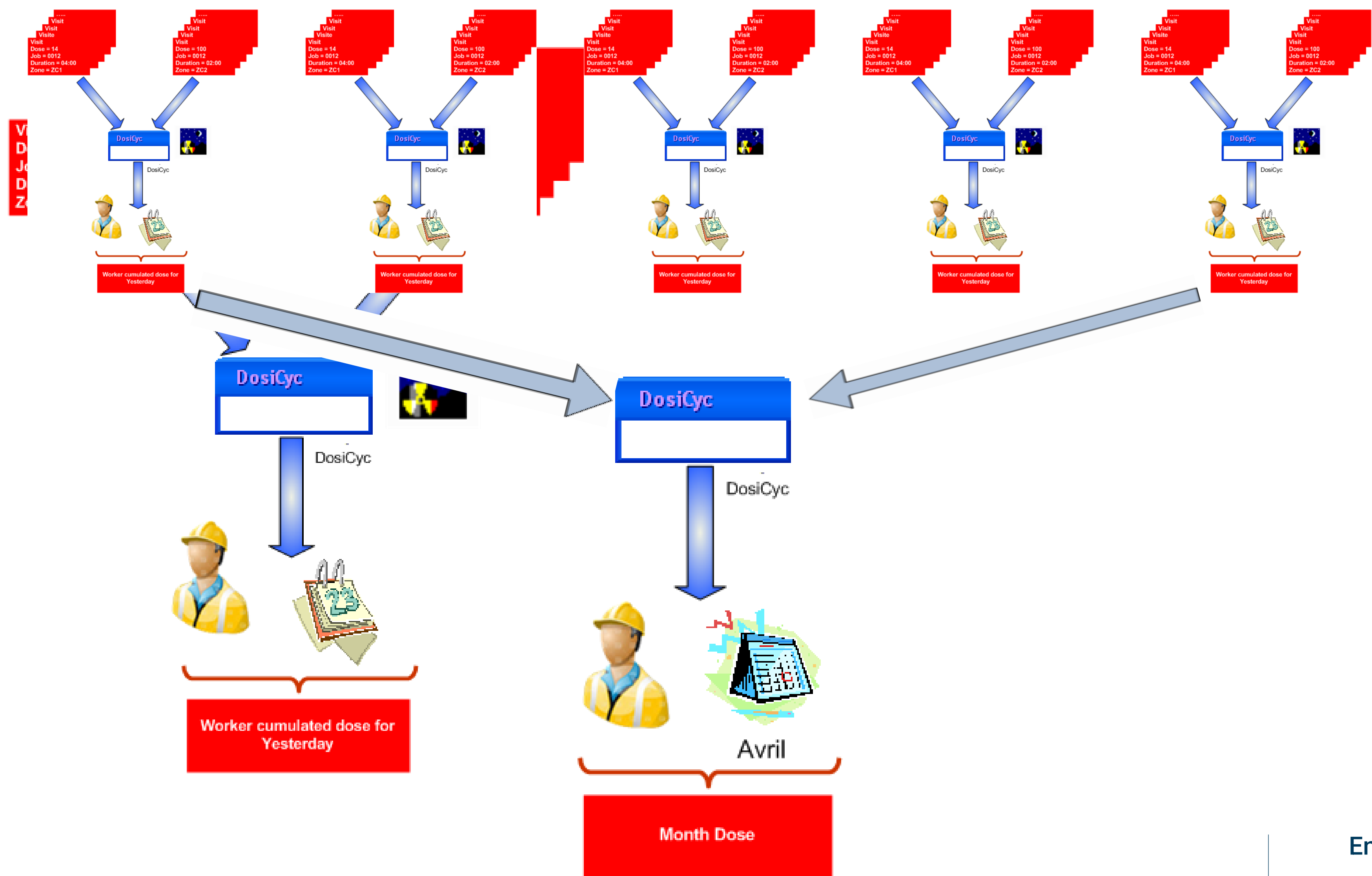
Passages v Visits



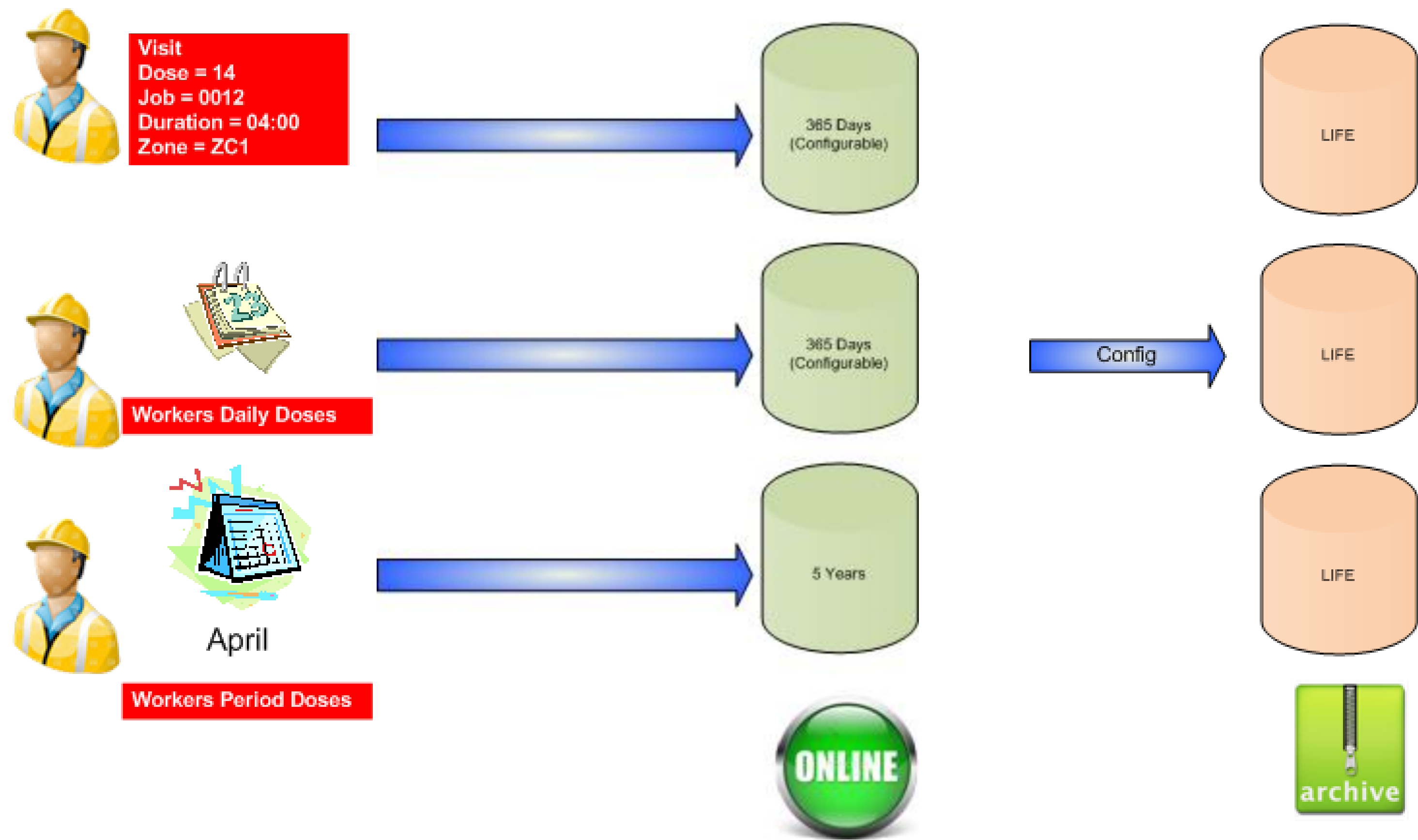
Passages vs Visits



Dose storage + Archives



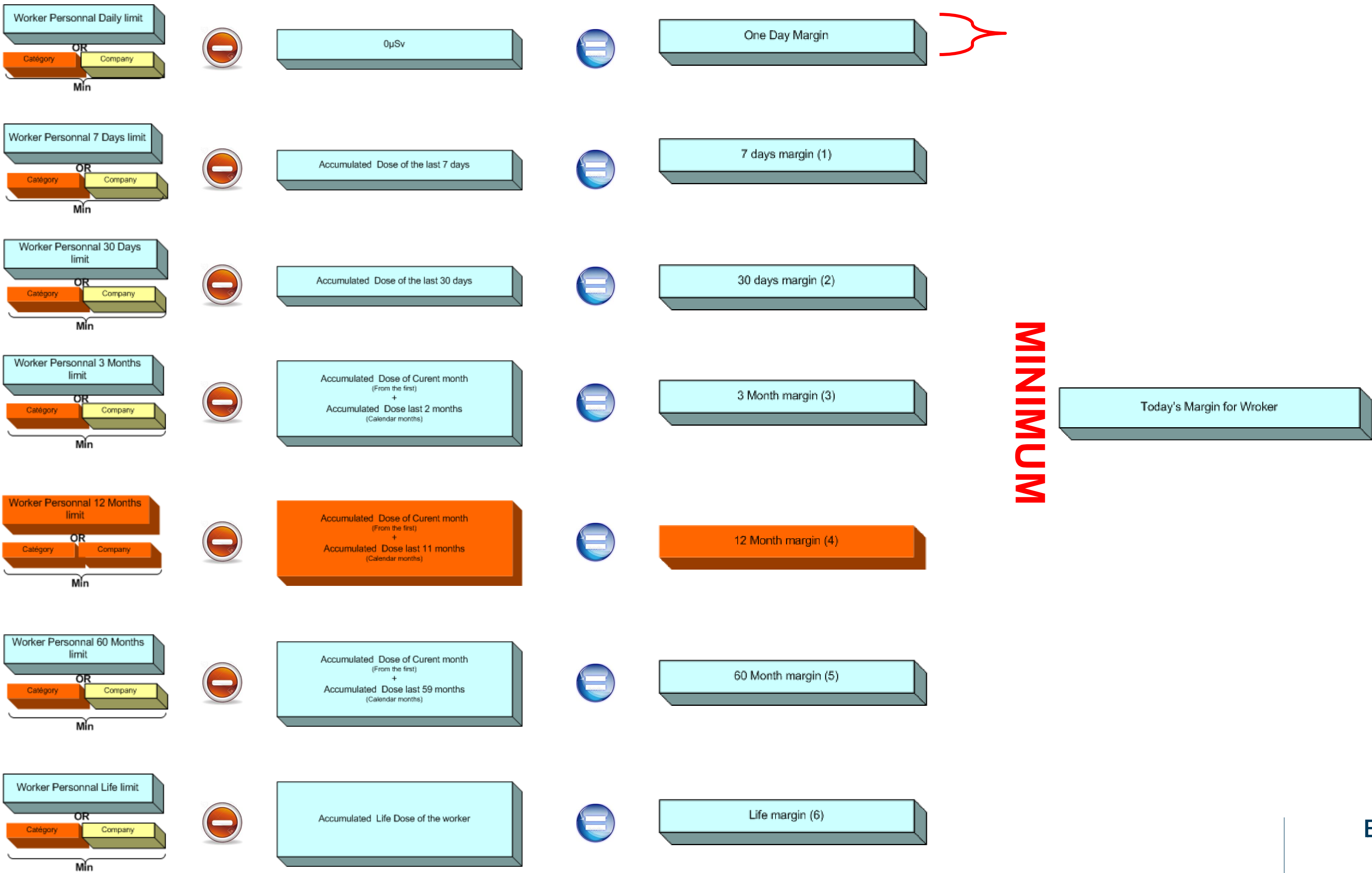
Dose storage + Archives

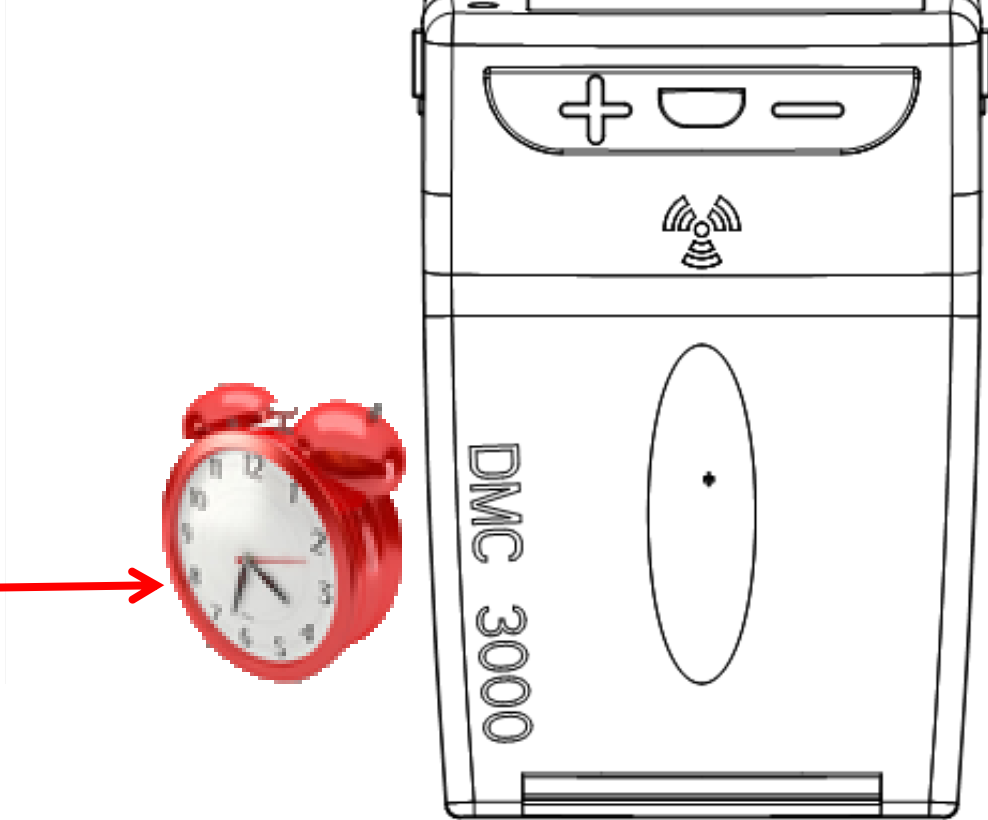


DosiCyc & Dose credit



Dose alarm calculation



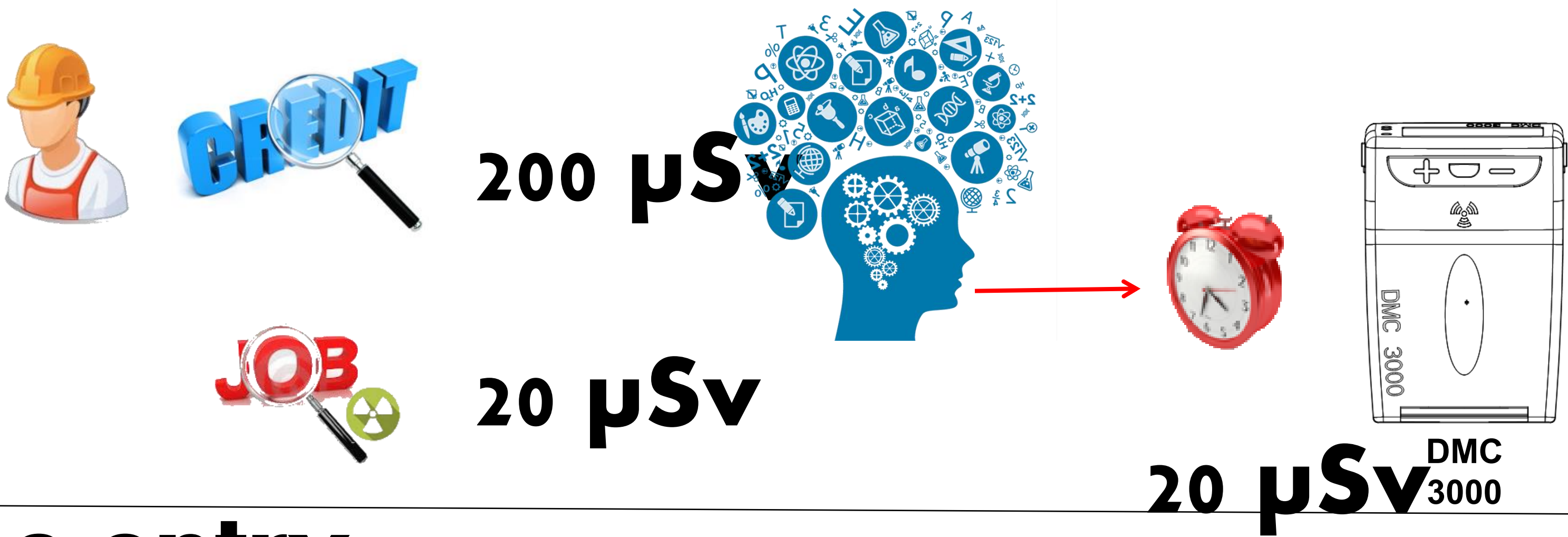


Dose alarm calculation

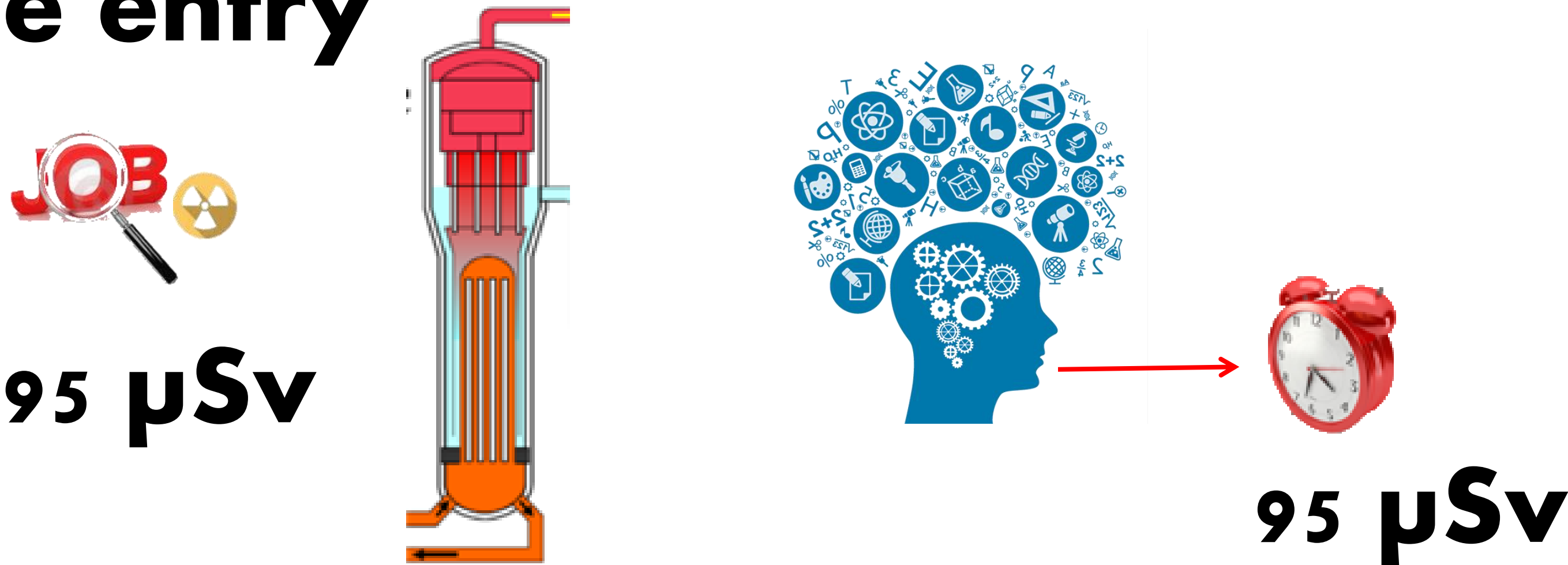
3 modes

- a) Standard mode
- b) Advanced mode
- c) Smart mode

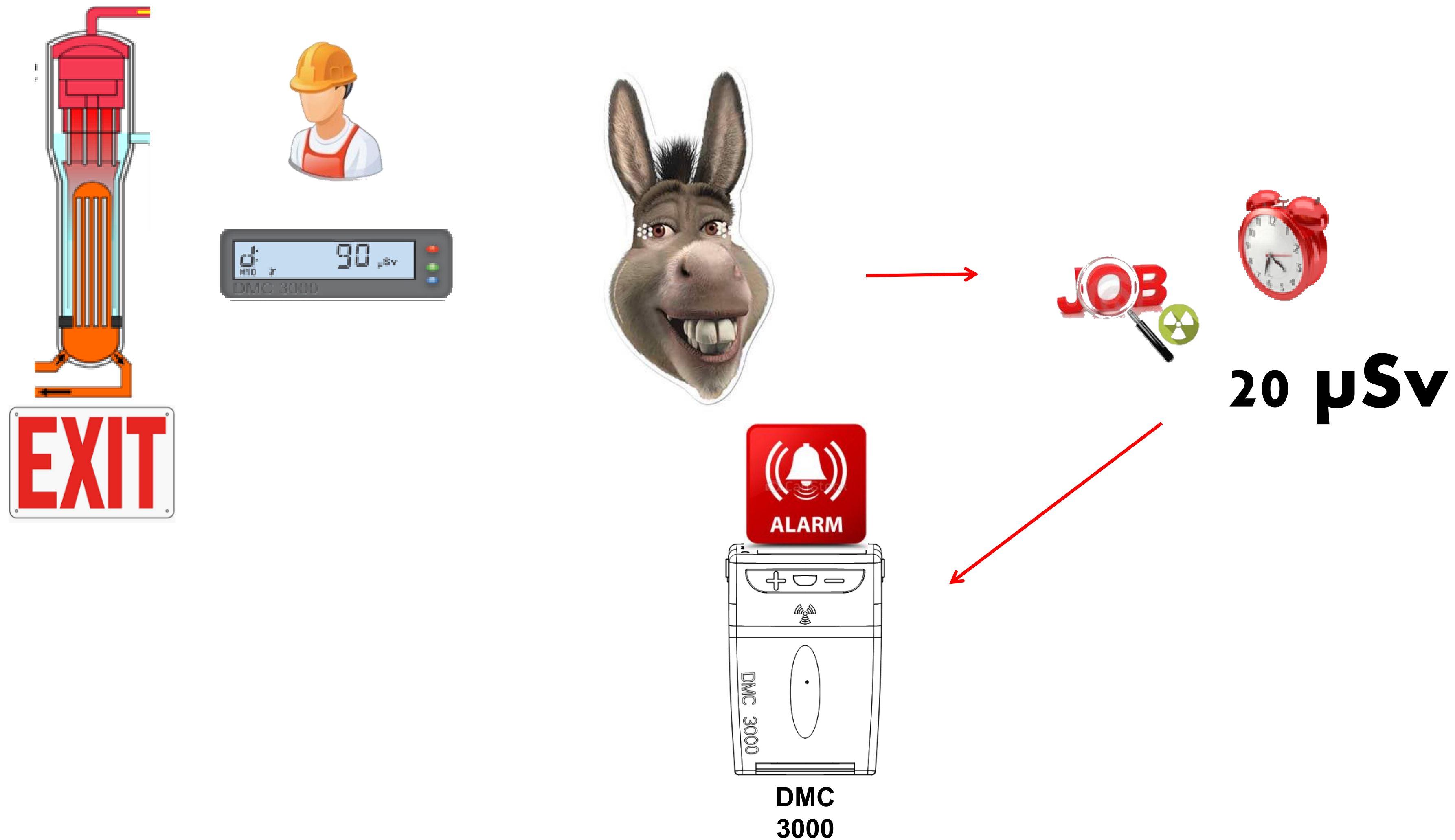
a) Standard mode



Sub Zone entry

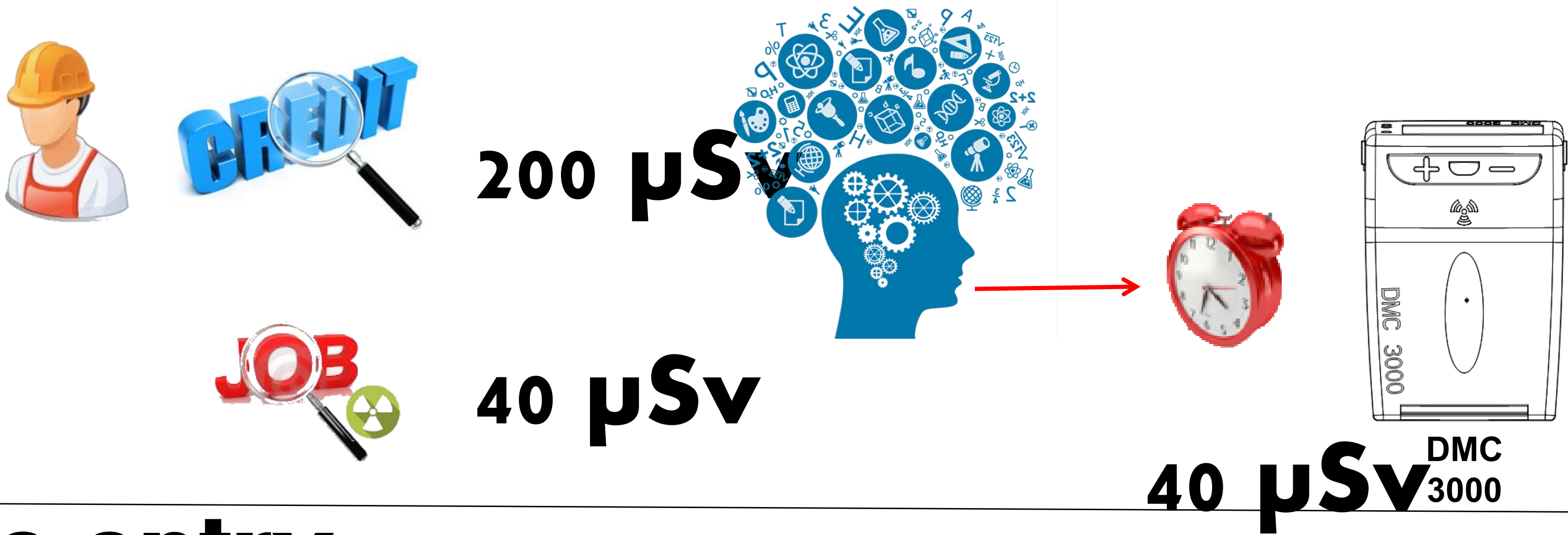


Dose alarm calculation Standard mode

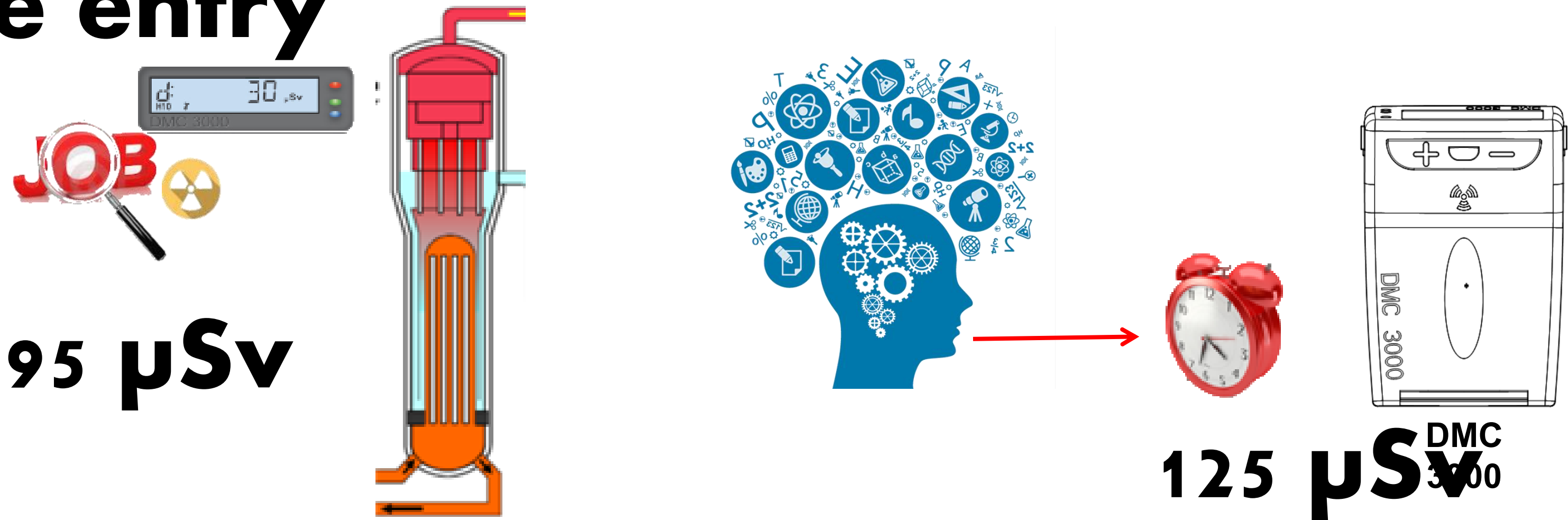


Dose alarm calculation **Advanced mode**

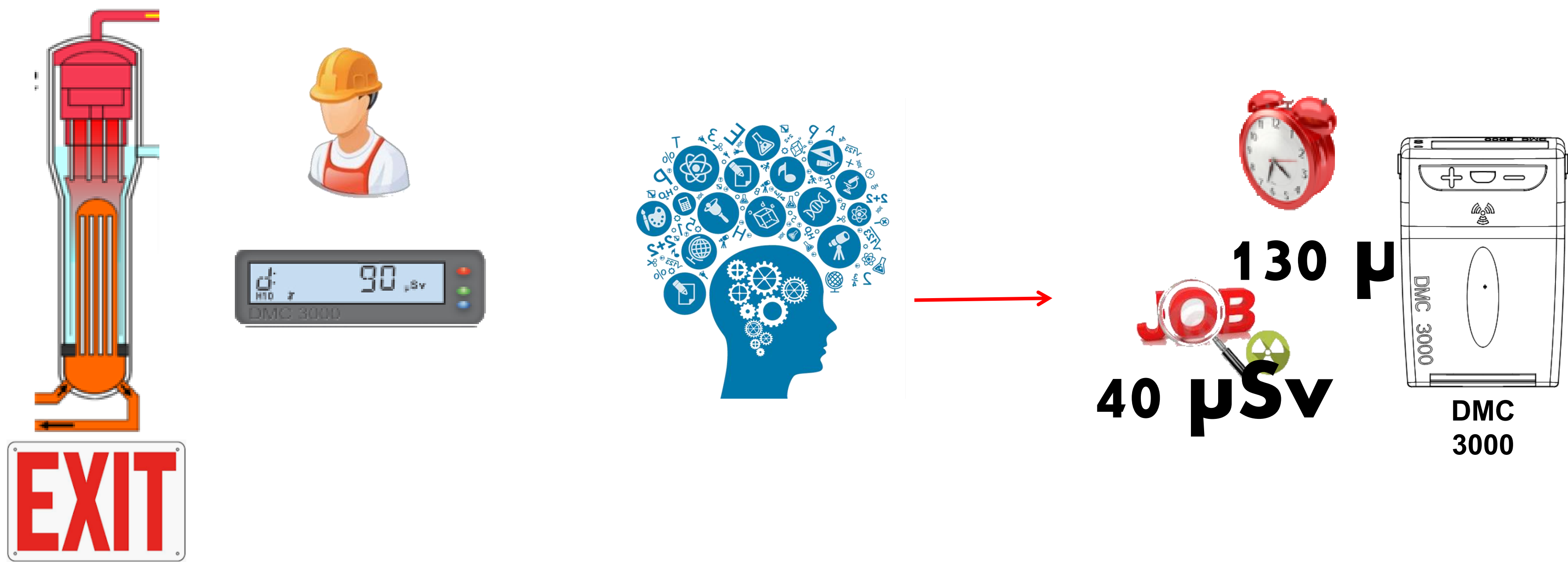
b) Advanced mode



Sub Zone entry

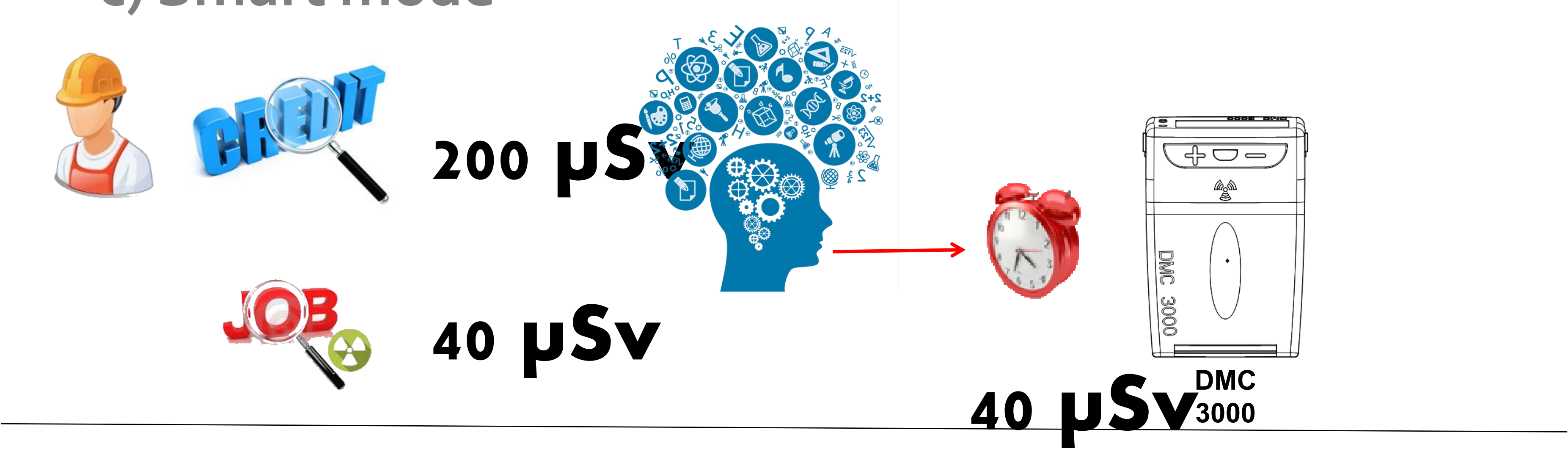


Dose alarm calculation Advanced mode



Dose alarm calculation Smart mode

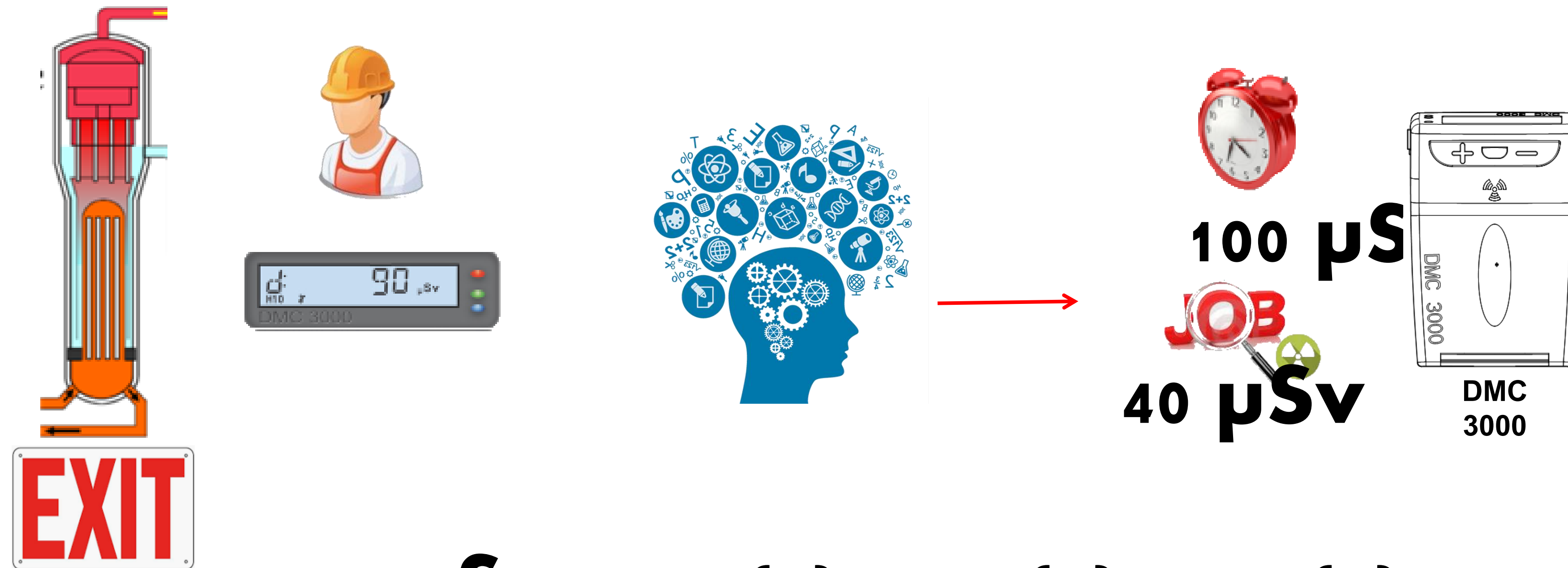
c) Smart mode



Sub Zone entry



Dose alarm calculation Smart mode



$$100 \mu\text{Sv} = 90 [1] + [40(2) - 30 [3]]$$

(1) **Dose on the dosimeter**

(2) **Job alarm**

(3) **Already received on that job since entry**

Dose alarm calculation Reminders

Worker dose credit get **priority** on alarm values from the Job



Pre alarms choice based on the same concept
i.e. In the past pre alarm was a % of the final chosen alarm
Now pre alarm from worker and pre alarm from the job get calculated separatly
and chosen



No wories, DosiServ now helps
you

Error message										Time and type of passage		Area information			General worker information				Other passage information				HP10G dose and dose r...			
...	...	...	...	...	...	...	...	...	...	Date/Time	Passage type	Re...	Reader name	Left ...	Ent...	I...	Last name	First name	Compa...	Dosimeter No.	TLD ...	Tas...	Dose alarm...	Dose warn...	...	HP1...
...	...	...	...	...	...	...	...	...	...	26/03/2019 14:58:26	Area entry	1	Unit 1 IN O...	U1	OUT	001	Michel	Henri	RADOS	A052B0		11			0	0
...	...	...	...	...	...	...	...	...	...	25/03/2019 09:31:26	Area exit	1	Unit 1 IN O...	U1	OUT	8...	CURIE	Marie	MIRIO...	01900679			Worker	Worker	11	93
▶	...	...	...	...	...	...	...	...	...	25/03/2019 09:21:16	Area entry	1	Unit 1 I...	OUT	U1	8...	CURIE	Marie	MIRIO...	01900679		21	Task	Task	0	0
...	...	...	...	...	...	...	...	...	...	25/03/2019 09:20:27	Area exit	1	Unit 1 IN O...	U1	OUT	8...	CURIE	Marie	MIRIO...	01900977			Worker	Worker	0	0
...	...	...	...	...	...	...	...	...	...	25/03/2019 09:20:14	Area entry	1	Unit 1 IN O...	U1	OUT	8...	CURIE	Marie	MIRIO...	01900679		21			0	0

Handling of legal dosimeter

DOSISERV Interface - mgp/localhost - Factory - [General Parameters]

File Tools Window Help LDMX20 configuration

Tree view panel

- Administration
- Worker
 - Worker information
 - Search for a worker
 - Origin zone group...
 - Intervention sites...
 - Affectation zones...
 - Worker Tracking
 - Visit / Passages
 - List of visits
 - List of passages
 - Doses Import/Ex...
 - Incorrect passages
 - Task/Area/RWP
 - Dashboard
 - Dashboard
 - Configuration

Navigation Control bar

Record 1 of 1

Database

Database name	dosi2
Language of database	en-GB
Specific process	<input type="checkbox"/>
Emergency mode enabled	<input type="checkbox"/>
Archiving data	<input type="checkbox"/>

Dose and dose rate

Dose unit	µSv
Dose rate unit	µSv/h
Calculation factor for dose and dose rate u	10
Accuracy of dose unit	0
HP10 minimum dose	10
HP007 minimum dose	0
Dose pre-alarm threshold (%)	80

Delete visits with identical inner and outer a ☐

Daily dose history depth (in days) 400

Process OUT visits ☒

Dates

Night job date jeudi 21 mars 2019 16:48

TLD/Films/Dosimeter

TLD Number format 999999

Check TLD Number ☐

Renew all TLD ☒

Consider TLD as an equipment ☒

Rotation of TLD box No. (From 0 to 3 conse 0

Consider dosimeters as equipments ☒

Tld Assigned Control ☒

Worker information

Record 4 of 5

Last Name: Mr Michel First name Henri Insurance No. Identification No. 001

Information Dosimetry Access Additional fields Tasks / Areas / Rwp Visits Equipment DIS Assignment Dashboard

Record 0 of 3 List of equipment: 001

Drag a column header here to group by that column

Definition of Equipment		Assignment		Return of equipment			
Name	Equipment type	Date	Assigned by	Expected return date	Return date	Taken back from	Return status
001525	DIS	28/03/2019	mgp				Not returned
20501520	DIS	07/08/2018	mgp				Not returned
20702683	DIS	28/03/2019	mgp				Not returned

New fields in the DosiGui

DOSISERV Interface - mgp/localhost - Factory - [Search for a worker]

File Tools Window Help LDMX20 configuration

Tree view panel

- Administration
- Worker
 - Worker information
 - Search for a worker
 - Origin zone group...
 - Intervention sites...
 - Affectation zones...
 - Worker Tracking
 - Visit / Passages
 - List of visits
 - List of passages
 - Doses Import/Ex...
 - Incorrect passages
 - Task/Area/RWP
 - Dashboard
 - Configuration
 - Parameters
 - General Parameters
 - Alarm thresholds
 - Configuration
 - Priority of dose r...
 - Danger rating in c...
 - Periods
 - Health physics category
 - Dose ranges
 - Habilitations
 - DIS
 - Sections
 - Dosimeters
 - Reader
 - Reader history
 - List of readers
 - Reader Live Status
 - Reader messages
 - Functions
 - Companies
 - Doctors
 - Additional fields

Navigation Control bar

Record 2 of 3827

Search Parameters

ID Number

Last name

First name

Film/TLD Number

Dosimeter No.

Exterior Number

Company

Section

Clear

Search

Having personnel limits

Checked Out

Checked In

All

Remember

Auto search

Layouts

Std

Drag a column header here to group by that column

Summary			General worker information						Additional worker information				Acce...		HP10 dose information	
W...	A...	HP10 do...	Sex	Last name	First name	Identification No.	Category	TLD Number	Company No.	Company n...	Section code	Section name	...	...	Remaining ...	Current accu...
.	.	Mar...	...	Baer	Tobias	007	A		RADOS	RADOS	OPS	Operation	🚦	➡	100	20
▶	.	Mar...	...	Bear	Mike	006	B		MIRION	MIRION TE...	CHEM	Chemistry	➡		100	0
.	.	Mar...	...	BRISSET	Fabien	008	A		MIRION	MIRION TE...	OPS	Operation	🚦		100	0
.	.	Mar...	...	CURIE	Marie	889977	A	111931	MIRION	MIRION TE...			➡		500	11
.	.	Mar...	...	CURIE	Pierre		A	076020	MIRION	MIRION TE...			➡		500	0
.	.	Low...	...	DAVIS	Sammy	0506427	A		MIRION	MIRION TE...	RP	Radiation P...	🚦	➡	0	0
.	.	Mar...	...	EDISSON	KEVIN	2	A		MIRION	MIRION TE...	RP	Radiation P...	➡		1000	700
.	.	Mar...	...	HOTSTUFF	Dirk	0506426	A		MIRION	MIRION TE...	RP	Radiation P...	🚦	➡	100	0
.	.	Mar...	...	KELLEY	Kip	0573237	A	051310	MGPI	MGP...	CHEM	Chemistry	🚦	➡	100	481
.	.	Mar...	...	KOST	Jim	451277	A		MIRION	MIRION TE...			➡		100	0
.	.	Mar...	...	Michel	Henri	001	A		RADOS	RADOS	CHEM	Chemistry	➡		500	0
.	.	Mar...	...	Phil	ALLANSON	239496	B		RADOS	RADOS			➡		250	13
.	.	Mar...	...	POPINS	Mary		Preg Women		MGPI	MGP...			➡		50	0
.	.	Mar...	...	Roentgen	Wilhem Conrad	45577	A	060890	MIRION	MIRION TE...			➡		100	0
.	.	Mar...	...	ROTTEVEEL	L.	47869	A		RADOS	RADOS			➡		500	0
.	.	Mar...	...	RUBIO	Enric		A		MIRION	MIRION TE...			➡		100	0
.	.	Mar...	?	RUBIO	TEst3		V		MIRION	MIRION TE...			➡		120	0
.	.	Mar...	...	Schwartz	Christian	107	A		RADOS	RADOS	OPS	Operation	🚦	➡	100	2
.	.	Mar...	...	TESTMEASURES	1	00001	A		MIRION	MIRION TE...			➡		100	0

Units for Dose and Rate: µSv; µSv/h

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WorkersSearch.ToolTip

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New fields in the DosiGui

DOSISERV Interface - mgp/localhost - Factory - [Search for a worker]

File Tools Window Help LDMX20 configuration

Tree view panel

- Administration
- Worker
 - Worker information
 - Search for a worker
 - Origin zone group...
 - Intervention sites...
 - Affection zones...
 - Worker Tracking
 - Visit / Passages
 - List of visits
 - List of passages
 - Doses Import/Ex...
 - Incorrect passages
- Task/Area/RWP
- Dashboard
- Configuration
 - Parameters
 - General Parameters
 - Alarm thresholds
 - Configuration
 - Priority of dose r...
 - Danger rating in c...
 - Periods
 - Health physics category
 - Dose ranges
 - Habilitations
 - DIS
 - Sections
 - Dosimeters
 - Reader
 - Reader history
 - List of readers
 - Reader Live Status
 - Reader messages
 - Functions
 - Companies
 - Doctors
 - Additional fields

Navigation Control bar

Record 4 of 3827

Search Parameters

ID Number

Last name

First name

Film/TLD Number

Dosimeter No.

Exterior Number

Company

Section

Clear

Search

Having personal limits

Checked Out

Checked In

All

Remember

Auto search

Layouts

12 P Survey

Drag a column header here to group by that column

Summary			General worker information					Additional worker information					
W...	A...	HP10 do...	Sex	Last name	First name	Identifica...	Category	TLD Num...	Company No.	Company ...	Section ...	Section name	Dose Vs Limit 12P
.	.	Mar...	...	Baer	Tobias	007	A		RADOS	RADOS	OPS	Operation	<div></div>
.	.	Mar...	...	Bear	Mike	006	B		MIRION	MIRION T...	CHEM	Chemistry	<div></div>
.	.	Mar...	...	BRISSET	Fabien	008	A		MIRION	MIRION T...	OPS	Operation	<div></div>
▶	.	Mar...	...	CURIE	Marie	889977	A	111931	MIRION	MIRION T...			<div></div>
.	.	Mar...	...	CURIE	Pierre		A	076020	MIRION	MIRION T...			<div></div>
.	Low...	...	...	DAVIS	Sammy	0506427	A		MIRION	MIRION T...	RP	Radiation R...	<div></div>
.	.	Mar...	...	EDISSON	KEVIN	2	A		MIRION	MIRION T...	RP	Radiation Pr...	<div></div>
.	.	Mar...	...	HOTSTUFF	Dirk	0506426	A		MIRION	MIRION T...	RP	Radiation Pr...	<div></div>
.	.	Mar...	...	KELLEY	Kip	0573237	A	051310	MGPI	MGP...	CHEM	Chemistry	<div></div>
.	.	Mar...	...	KOST	Jim	451277	A		MIRION	MIRION T...			<div></div>
.	.	Mar...	...	Michel	Henri	001	A		RADOS	RADOS	CHEM	Chemistry	<div></div>
.	.	Mar...	...	Phil	ALLANSON	239496	B		RADOS	RADOS			<div></div>
.	.	Mar...	...	POPINS	Mary		Preg Women		MGPI	MGP...			<div></div>
.	.	Mar...	...	Roentgen	Wilhem Conrad	45577	A	060890	MIRION	MIRION T...			<div></div>

Units for Dose and Rate: µSv; µSv/h

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25

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New fields in the DosiGui

Administration

Worker

Worker information

Search for a worker

Origin zone group...

Intervention sites...

Affectation zones...

Worker Tracking

Visit / Passages

List of visits

List of passages

Doses Import/Ex...

Incorrect passages

Task/Area/RWP

Dashboard

Dashboard

Configuration

Parameters

General Parameters

Alarm thresholds

Configuration

Priority of dose r...

Danger rating in c...

Periods

Health physics category

Dose ranges

Habilitations

DIS

Sections

Dosimeters

Reader

Reader history

List of readers

Reader Live Status

Reader messages

Functions

Companies

Doctors

Additional fields

Measurement de...

Navigation Control bar

Record 15 of 3827

Search Parameters

ID Number

Last name

First name

Film/TLD Number

Dosimeter No.

Exterior Number

Company

Section

Clear

Search

Having personal limits

Checked Out

Checked In

All

Remember

Auto search

Layouts

12 P Survey

Drag a column header here to group by that column

Summary			General worker information						Additional worker information				
W...	A...	HP 10 do...	Sex	Last name	First name	Identifica...	Category	TLD Num...	Company No.	Company ...	Section ...	Section name	Dose Vs Limit 12P
.	.	Low...	...	DAVIS	Sammy	0506427	A		MIRION	MIRION T...	RP	Radiation Pr...	<div></div>
.	.	Mar...	...	TESTMEASU...	1	00001	A		MIRION	MIRION T...			<div></div>
.	.	Mar...	...	Baer	Tobias	007	A		RADOS	RADOS	OPS	Operation	<div></div>
.	.	Mar...	...	Michel	Henri	001	A		RADOS	RADOS	CHEM	Chemistry	<div></div>
.	.	Mar...	...	BRISSET	Fabien	008	A		MIRION	MIRION T...	OPS	Operation	<div></div>
.	.	Mar...	...	KOST	Jim	451277	A		MIRION	MIRION T...			<div></div>
.	.	Mar...	...	Bear	Mike	006	B		MIRION	MIRION T...	CHEM	Chemistry	<div></div>
.	.	Mar...	...	WITZ	Sebastian	101	A		RADOS	RADOS			<div></div>
.	.	Mar...	...	Schwartz	Christian	107	A		RADOS	RADOS	OPS	Operation	<div></div>
.	.	Mar...	...	WORKER A	Antonin	1704	A		MIRION	MIRION T...			<div></div>
.	.	Mar...	...	WORKER AB	Clément	0110	A	00160	MIRION	MIRION T...	CHEM	Chemistry	<div></div>
.	.	Mar...	...	Phil	ALLANSON	239496	B		RADOS	RADOS			<div></div>
.	.	Mar...	...	Worker 104	BARBARA	1111	GOSGEN		MIRION	MIRION T...			<div></div>
.	.	Mar...	...	WILLIAM	Robin	0506485	A		MIRION	MIRION T...			<div></div>

Units for Dose and Rate: µSv; µSv/h

New fields in the DosiGui

DOSISERV Interface - mgp/localhost - Factory - [Search for a worker]

File Tools Window Help LDMX20 configuration

Tree view panel

- Administration
- Worker
 - Worker information
 - Search for a worker
 - Origin zone groups m...
 - Intervention sites ma...
 - Affection zones ma...
 - Worker Tracking
 - Visit / Passages
 - Incorrect passages
 - Task/Area/RWP
 - Dashboard
 - Configuration
 - Reports

Navigation Control bar

Record 13 of 3827

Search Parameters

ID Number

Last name

First name

Film/TLD Number

Dosimeter No.

Exterior Number

Company

Section

Clear

Search

☒ Having personal limits

☐ Checked Out

☐ Checked In

☒ All

☒ Remember

☒ Auto search

Drag a column header here to group by that column

Summary			General worker information					Additional worker information						
W...	A...	HP10 do...	Sex	Last name	First name	Identifica...	Category	TLD Num...	Company No.	Company ...	Section ...	Section name	DMC vs ...	Dose Vs Limit 12P
		Mar...		Baer	Tobias	007	A		RADOS	RADOS	OPS	Operation	DMC Official	
									MIRION	MIRION T...	RP	Radiation Pr...	DMC Official	
									MIRION	MIRION T...	OPS	Operation	DMC Official	
									MIRION	MIRION T...			DMC	DMC : 2130 µSv Official: 500 µSv
								062420	MIRION	MIRION T...			DMC Official	
									MIRION	MIRION T...			DMC Official	
									MIRION	MIRION T...			DMC Official	
									MIRION	MIRION T...			DMC Official	
									MIRION	MIRION T...			DMC Official	

DMC Official

DMC Official

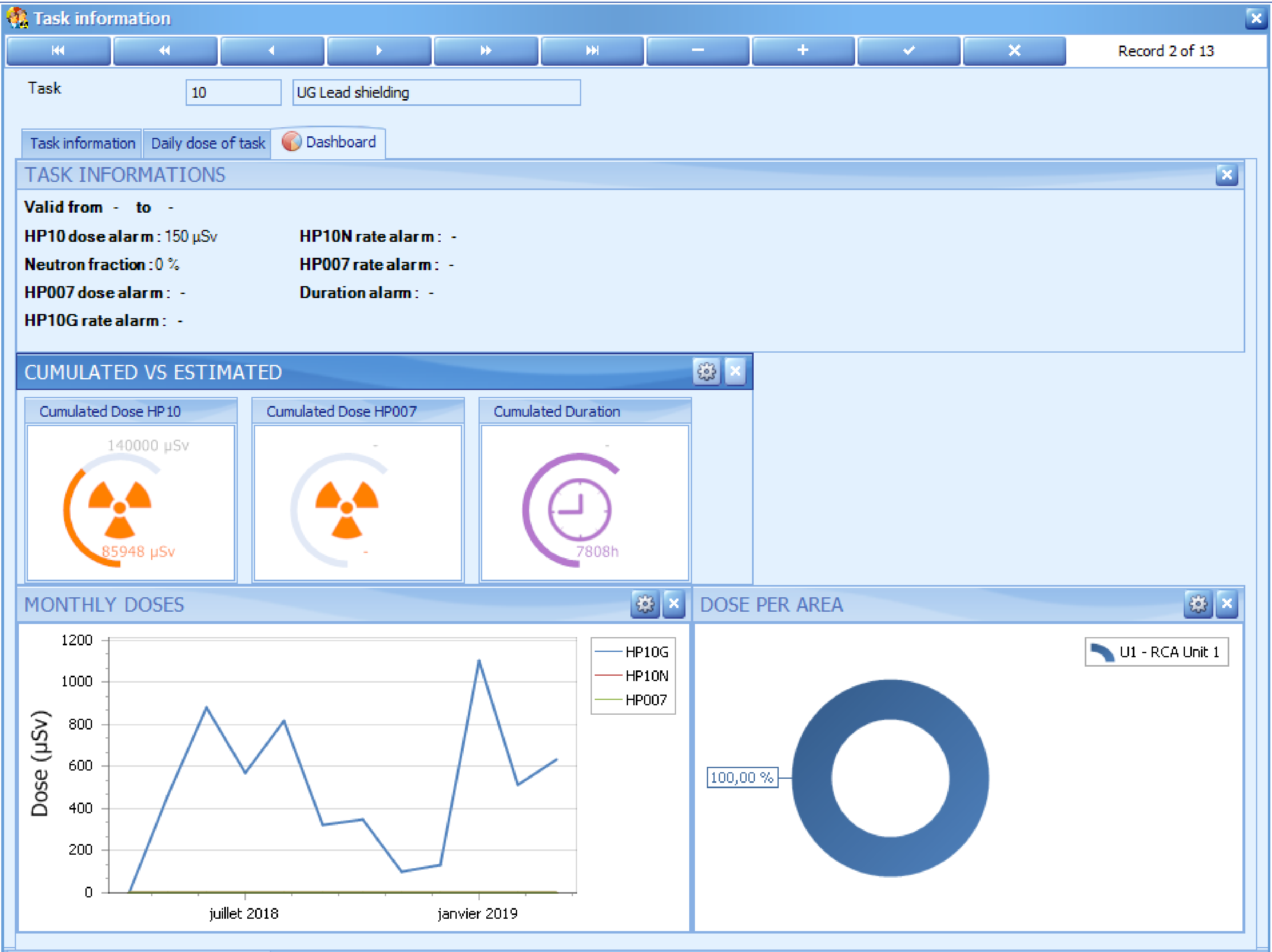
Out of my tolerance

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New fields in the DosiGui



Dashboard Worker

Worker information

Record 1 of 3827

Last Name:MrDAVISFirst nameSammyInsurance No.0506427Identification No.0506427

Information

Dosimetry

Access

Additional fields

Tasks / Areas / Rwp

Visits

Equipment

DIS Assignment

Dashboard

Information

Medical

Worker information

Title

Last nameDAVIS

First nameSammy

SexMan

Pregnancy criteria

Birth name

Identification No.0506427

Insurance No.

Usual name

NicknameGUERRINO

Additional namesGUERRINO

Birthday10/10/1956

Place of birth

Country of birth

Nationality

Nationality No.

ID / passport No.

Exterior worker num

External ID of the worker

Locker number

Comments

Contact name

Contact phone

Address of worker

Street address

Postal code

City

State

Country

Phone number

E-mail

Other worker information

Health physics categoryA

CompanyMIRION TECHNOLOGIES

Subcontract from...

SectionRP

Occupation

Habilitation

Emergency profile

Employment type

Dosimeter

Dosimeter No.

Card number

Card date

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New fields in the DosiGui

Worker information

Record 1 of 3827

Last Name:First nameInsurance No. Identification No.

MrDAVISSammy0506427

InformationDosimetryAccessAdditional fieldsTasks / Areas / RwpVisitsEquipmentDIS AssignmentDashboard

WORKER INFORMATION

TLD P : -EPD Number : -Margin Exceeded

TLD P-1 : -Checked-In

TLD P-2 : -

TLD P-3 : -

ACCESS CRITERIA EXPIRED / ABOUT TO EXPIRE

CODE	FULL_FILLED	START_DATE	END_DATE
▶ TRAIN.	✓	26/03/2015	11/04/2019

EPD VS TLD

Period	DMC (µSv)	Official (µSv)
1 Month	~5000	~1000
3 Months	~20000	~1000
12 Months	~30000	~1000
60 Months	~30000	~1000
Life	~30000	~1000

DOSES VS LIMITS

HP 10 Day200 µSv0 µSv

HP 10 7 Days600 µSv350 µSv

HP 10 30 Days7000 µSv5530 µSv

HP 10 3 P6000 µSv20550 µSv

HP 10 12 P20000 µSv31500 µSv

HP 10 60 P50000 µSv31500 µSv

HP 10 Life50000 µSv31500 µSv

MONTHLY DOSES

Date	Dose (µSv)
juillet 2018	~10000
janvier 2019	~7500

Units for Dose and Rate: µSv; µSv/h

DIS-1 Handling

Worker information

Record 7 of 3827

Last Name:MrMichel

First nameHenri

Insurance No.

Identification No.001

Information

Dosimetry

Access

Additional fields

Tasks / Areas / Rwp

Visits

Equipment

DIS Assignment

Dashboard

DIS Operations

Assignment

Release

DIS Assignments

☒ Display only current assignments

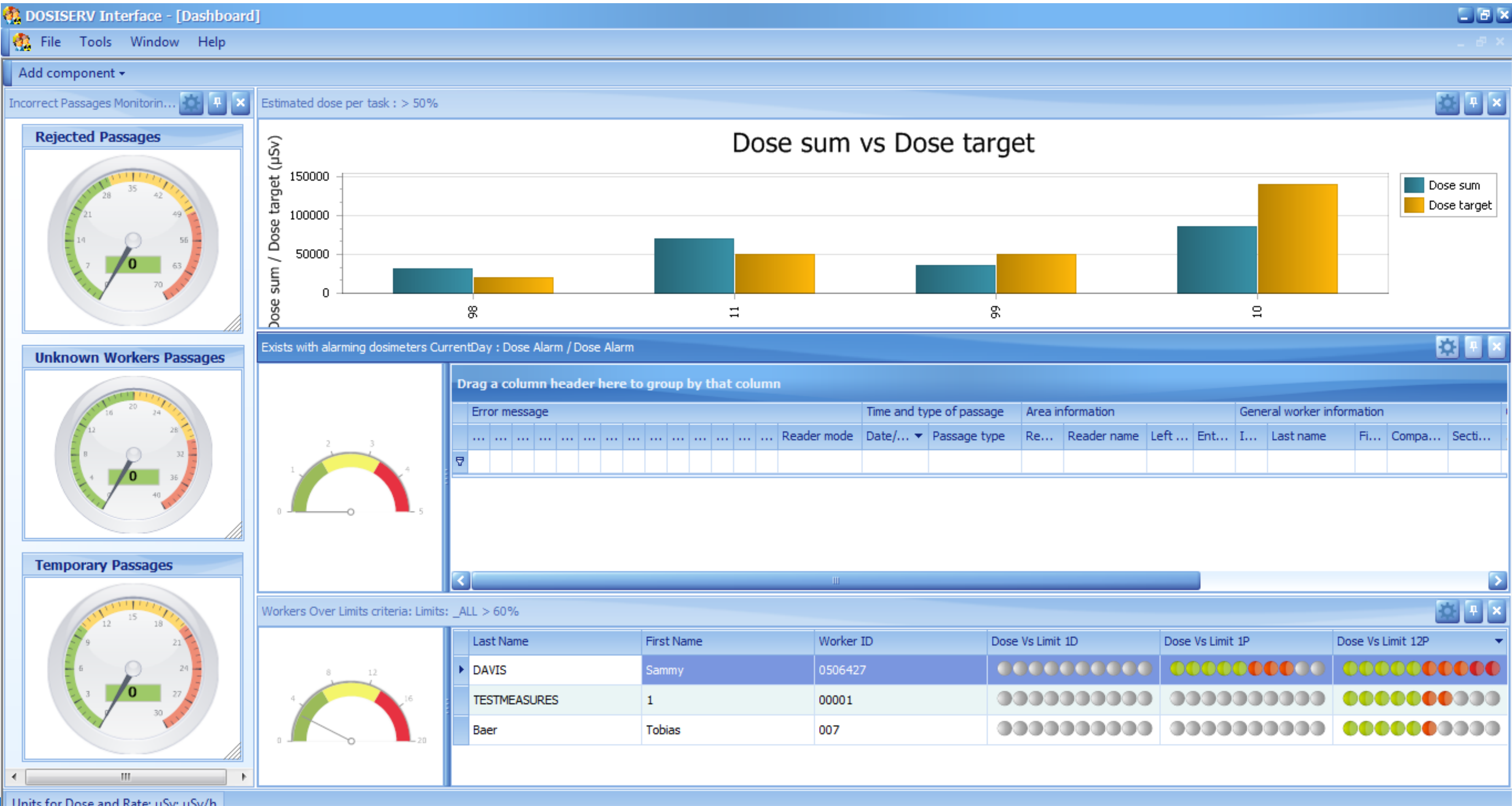
DIS LocationLOCKER ROOM #1

Drag a column header here to group by that column

Type	DIS	Assignment date	Release date	Status	Comments	Operations
DIS	20702683	28/03/2019 10:09:32		Not Returned		<div>Print labelForce Return</div>
DIS	001525	28/03/2019 10:09:07		Not Returned		<div>Print labelForce Return</div>
DIS	20501520	07/08/2018 22:14:44		Not Returned	DIS Assignment	<div>Print labelForce Return</div>

Units for Dose and Rate: μ Sv; μ Sv/h

General Dashboard



DMC Serial number imports

Dosimeters Batch Import

Parameters

☒ Take calibration date from dosimeter

☒ Take next calibration date from dosimeter (G3 only)

Start

Stop

Imported dosimeters

Date	Protocol Type	Neutron	Dosimeter N...	Calibration Date	Next Calibration Date	Status	Additional In...
29/03/2019 16:36:16	G3	<input type="checkbox"/>	A052B0	20/07/2017	20/07/2019	Processed ...	

Clear

Batch import is stopped

Close

DMC Serial number imports

Dosimeters Batch Import

Parameters

☐

Take calibration date from dosimeter

☐

Take next calibration date from dosimeter (G3 only)

Start

Stop

Imported dosimeters

Date	Protocol Type	Neutron	Dosimeter N...	Calibration Date	Next Calibration Date	Status	Additional In...
29/03/2019 16:37:48	G3	<input type="checkbox"/>	A052B0	29/03/2019	28/03/2020	Processed ...	

Clear

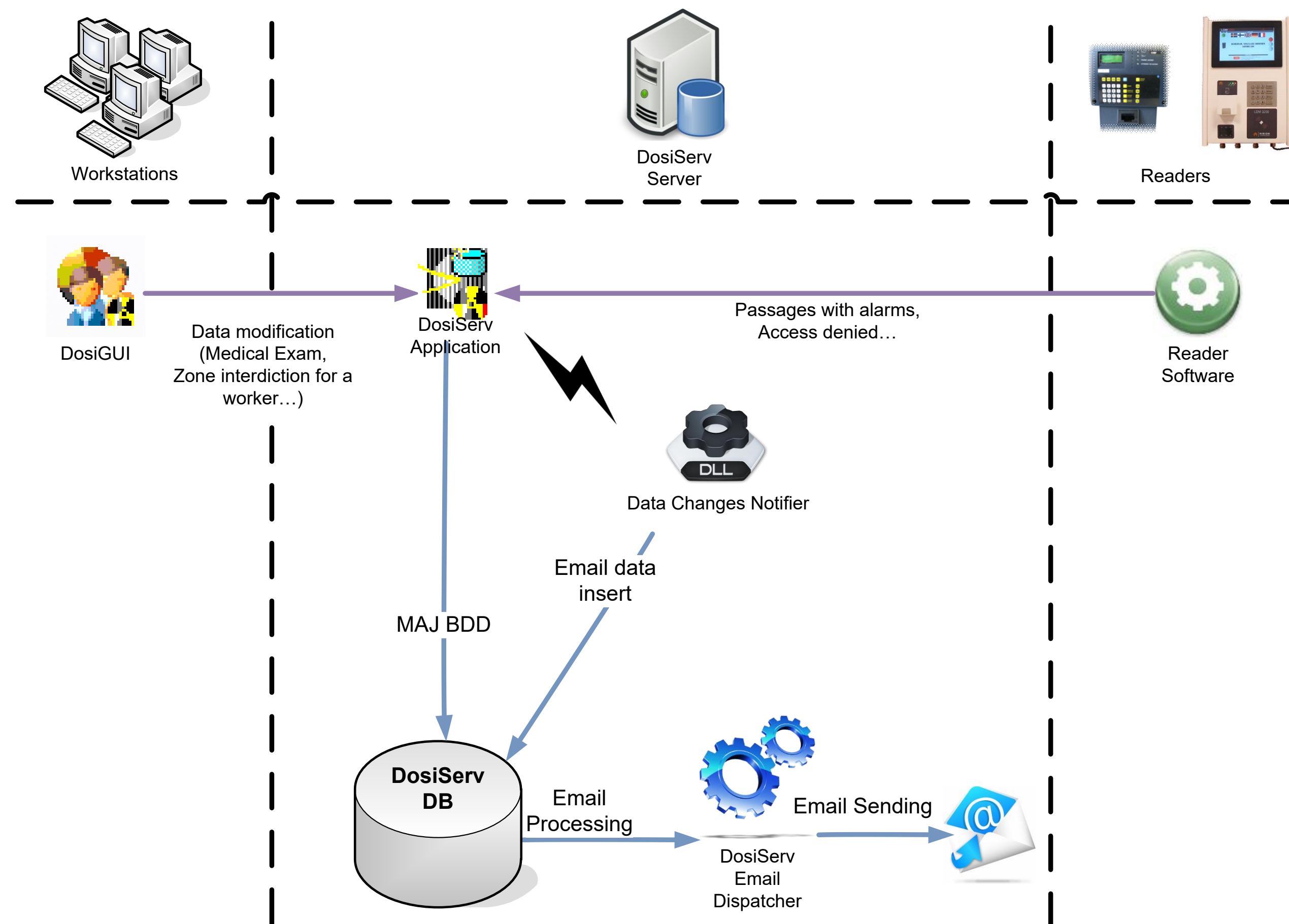
Batch import is stopped

Close

New Email feature

Mailing feature

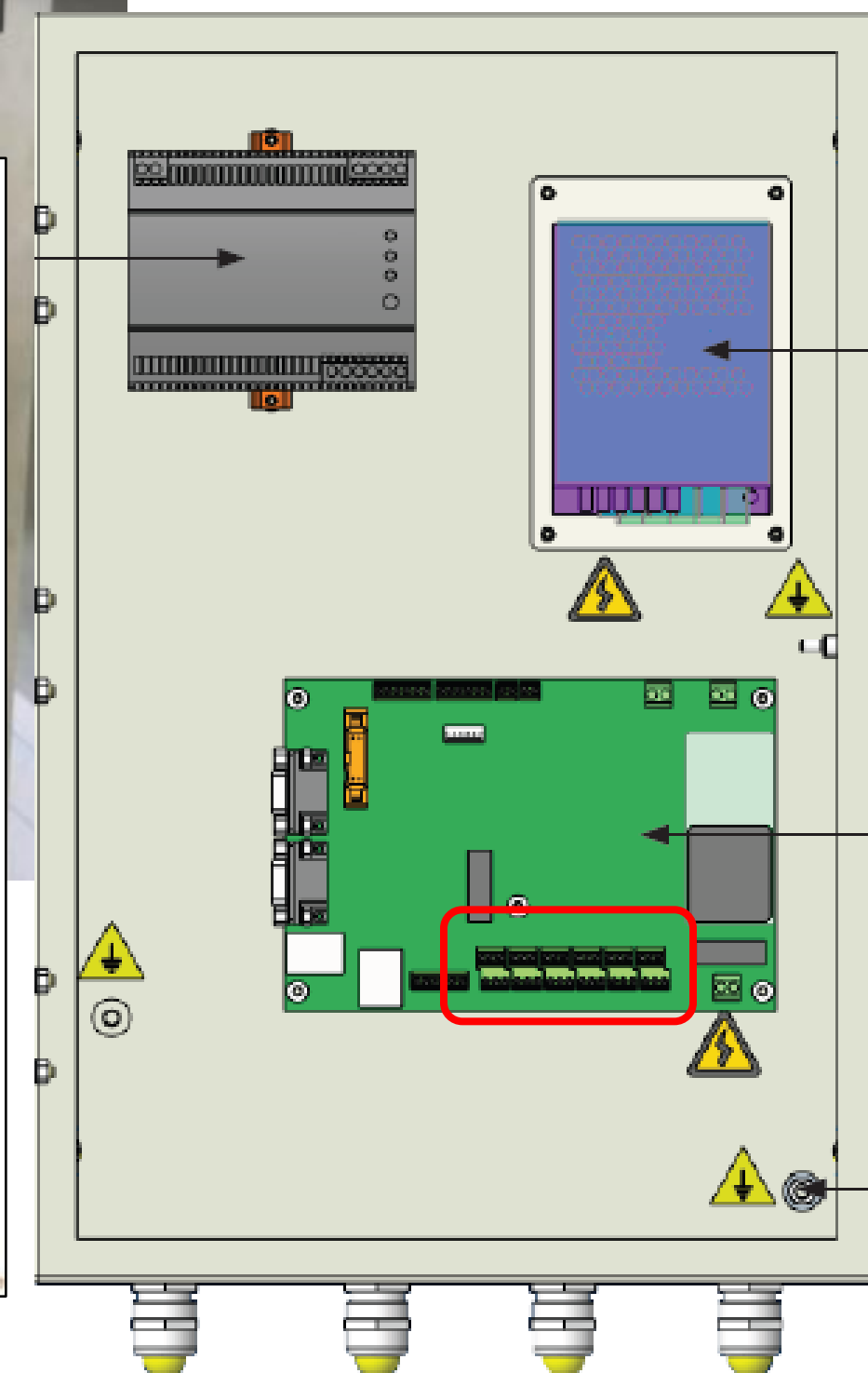
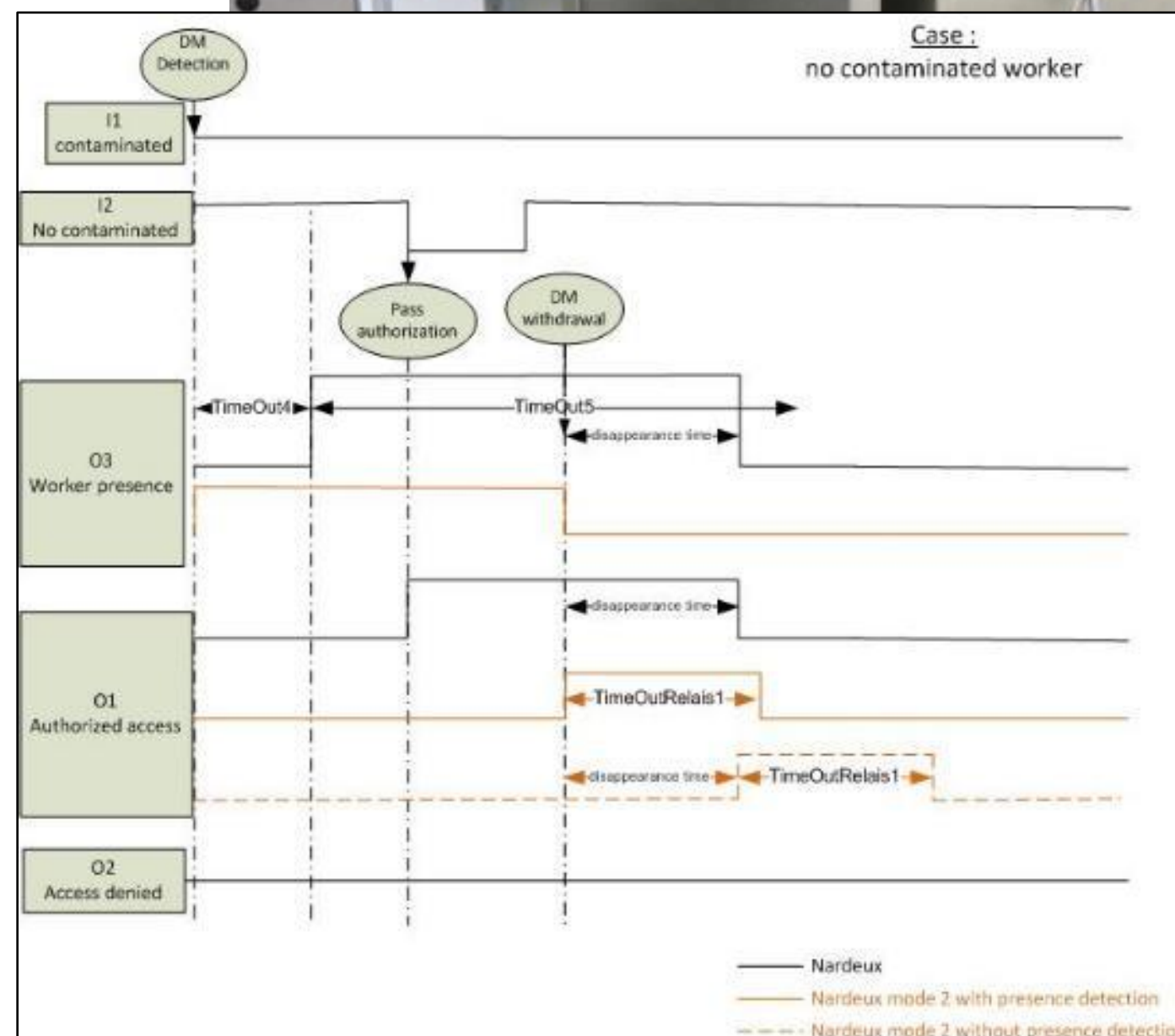
DosiServ embeds now a mailing feature allowing to inform users when specific events occur (passage with alarm, medical exam date modified for a worker...). Events that trigger email can be configured.



DosiServ – Part 2

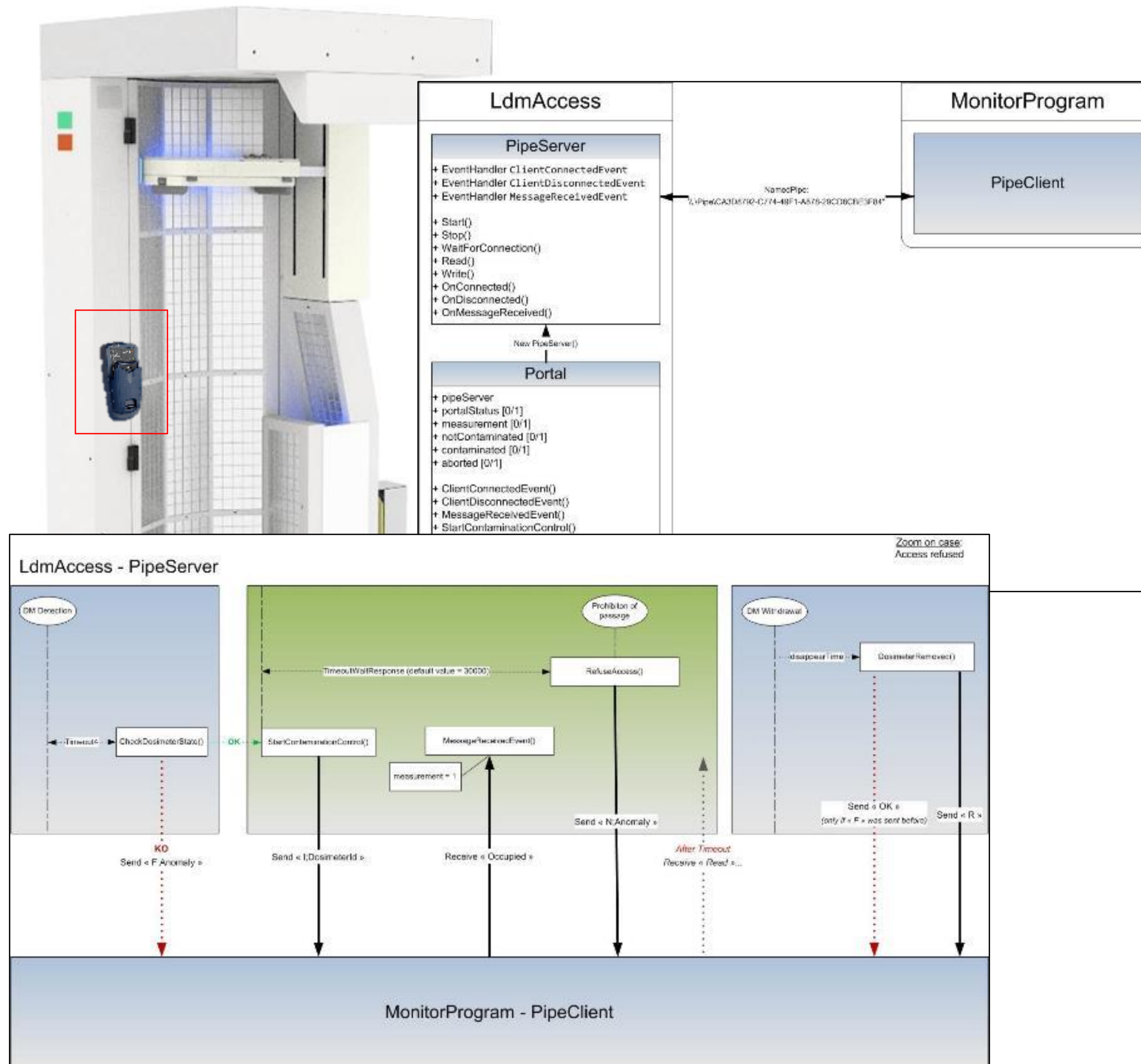
- DosiServ 2023 (V1.30.5)
- Alarms managements
- Contamination Events

Physical Integration



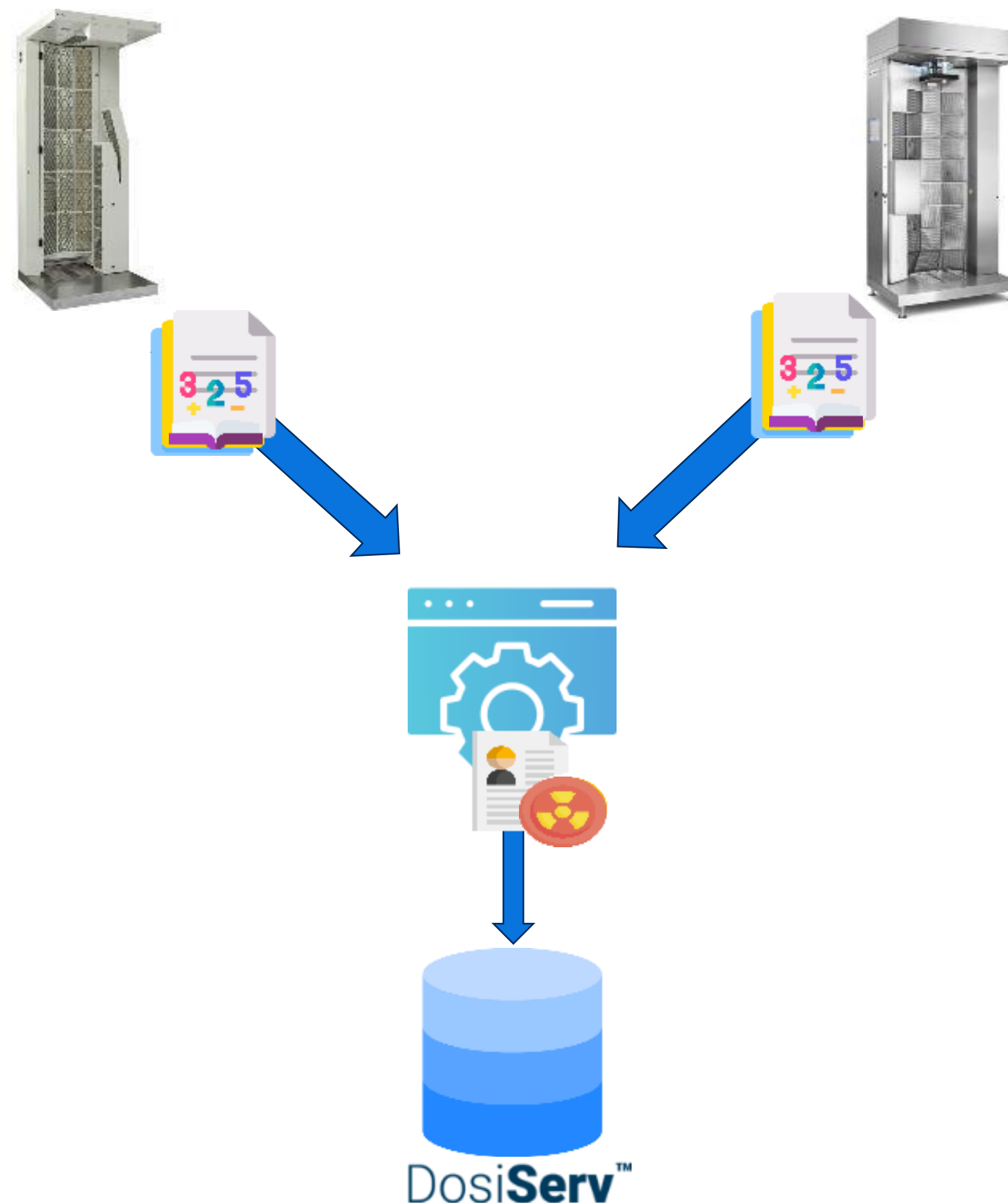
- Mirion Dosimetry Readers (LDM3200, LDM1000, LDM2000) can be physically integrated into body monitors.
- Communication between equipment is driven by inputs/outputs relays.
- This type of integration allows:
 - Flagging the contaminated passages in DosiServ
 - Synchronizing behaviors of the dosimetry reader and the body monitor :
 - Badge ID sent from DMC to body monitor
 - Dosimeter detection/removal <-> start measurement / Door opening
 - clean/contaminated events <-> passage granted/denied
 - Etc.....

Logical Integration



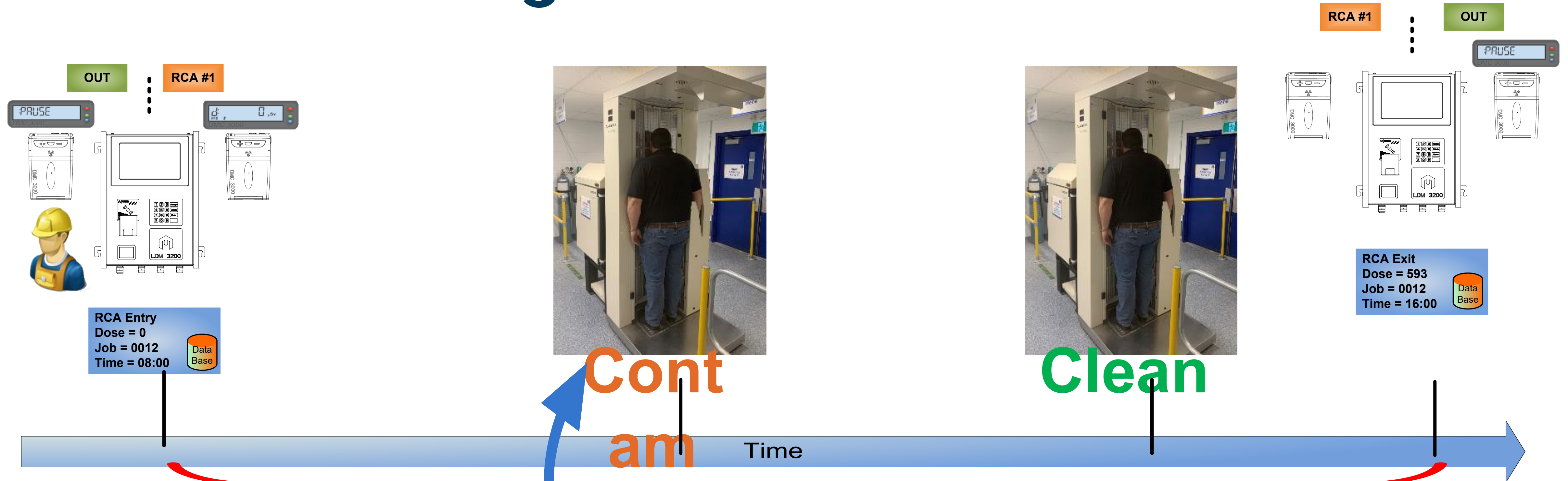
- LDMAccess SW can be installed on the Argos body monitors computers with a LDM320W USB reader.
- Communication between equipment is driven by software communication between the 2 applications (LDMAccess / Monitor Program).
- This type of integration allows the exact same features than the physical integration but with less hardware equipment.

Post Event Integration



- This integration does not necessarily involve dosimetry readers.
- DosiServ imports measurements files from the body monitors.
- At measurements import time, an algorithm assigns measurements to workers and link them to the “closest” relevant passage. Passages are not flagged as contaminated in this integration (it could be a future improvement).

Post Event Integration



1. The Worker switches on dosimeter and enters the zone
 2. When exiting the Zone the worker will show a contamination event in the monitor
 3. Workers take necessary actions and finally exits
 4. Worker switches off dosimeter
- ➔ DosiServ will record a visit for that person and the Job code selected at entry time

The system will propose its best estimate in order to connect the visit with the Contam Event AND with the measurement results

Contamination information in DosiServ

Body monitors integration allows at the end of the day storing contamination related information into the DosiServ database.

Information that can be stored in DosiServ

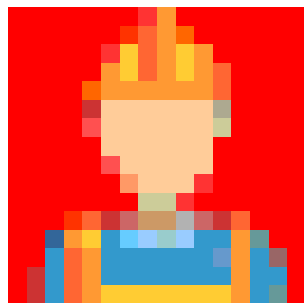
- Contaminated Passages (flag)
- Contamination Measurements
- Exploitation of Contamination Information

Contaminated Passages information

- ✓ Physical Integration
- ✓ Logical Integration
- ✗ Post Event Integration

Passages in DosiServ are flagged as contaminated and can be highlighted in DosiGUI. This flag is generated at the reader level in the case of physical and logical integrations. This flag can be leveraged for reporting purpose.

The post event integration links the measurements to a passage but without flagging the passage in case of contaminated event.



Contaminated	Time and type of passage		Area i...	General worker information			
	Date/Time	Passage type	Read...	Identific...	Last name	First name	Company name
=	=	=	=	ABC	ABC	ABC	ABC
No...	03/07/2024 00:16:00	Area entry	1	1196	Lee	Tiffany	Advanced Quantum Systems
No...	03/07/2024 00:09:00	Area exit	1	1184	Estrada	Leon	Prime Radiation Limited
No...	02/07/2024 23:47:00	Area exit	1	1196	Lee	Tiffany	Advanced Quantum Systems
No...	02/07/2024 23:45:00	Area entry	1	1074	Martin	Johnny	Innovative Reactor Technologies
Co...	02/07/2024 23:04:00	Area exit	1	1053	Cuffe	Grant	Tech Particle Incorporated
No...	02/07/2024 20:51:00	Area entry	1	1196	Lee	Tiffany	Advanced Quantum Systems
Co...	02/07/2024 20:38:00	Area exit	1	1184	Estrada	Leon	Prime Radiation Limited
No...	02/07/2024 20:34:00	Area entry	1	1053	Cuffe	Grant	Tech Particle Incorporated
No...	02/07/2024 20:27:00	Area exit	1	1046	James	Sabrina	Tech Particle Limited
No...	02/07/2024 19:16:00	Area entry	1	1184	Estrada	Leon	Prime Radiation Limited
No...	02/07/2024 19:11:00	Area exit	1	1169	Richardson	Christina	Innovative Fusion Group
No...	02/07/2024 18:49:00	Area entry	1	1169	Richardson	Christina	Innovative Fusion Group
No...	02/07/2024 18:32:00	Area exit	1	1159	White	Benjamin	Global Nuclear Solutions
No...	02/07/2024 17:02:00	Area entry	1	1046	James	Sabrina	Tech Particle Limited
No...	02/07/2024 16:32:00	Area exit	1	1020	Bryan	April	Integrated Reactor Solutions
No...	02/07/2024 15:41:00	Area entry	1	1159	White	Benjamin	Global Nuclear Solutions
Co...	02/07/2024 15:27:00	Area exit	1	1147	Perez	Justin	Global Atom Limited

- ❌ Physical Integration
- ❌ Logical Integration
- ✅ Post Event Integration

To do so, it is needed that workers authenticate on body monitors so that workers badge numbers will be stored in the measurements files, allowing DosiServ to use these numbers to retrieve the proper worker in its database.

[illegible]

Contamination Measurements

Physical Integration

Logical Integration

Post Event Integration

Measurements that match an existing worker in DosiServ are imported in the DosiServ database.

DosiServ links the measurements to the visit *(the passage actually)* that is the closest to the measurement’s date and time.

The measurements will be in consequence also linked to the visit’s task, RWP and zone, offering available data for reporting purpose.

Search Worker ID

External ID

Last Name

First Name

Start Date

End Date

Contamination Portal ID

Local companies

Company

Section

Task

Area name

Ssc number

Clear

Remember Values

Auto-Search

Search

Drag a column header here to group by that column

Contamination information				General worker information						Additional worker inform...	Visit information					
Contamination date	Portal Id	Model		Last Name	First Name	Social Secu...	Worker Id	External ID	Worker's he...	Company name	Visit start	Visit end	Task Co...	Task name	Area	Area name
18/07/2024 12:54:00	Argo5 Unit1 1 of 3	Argos5_374		Rodriguez	Michael		123	786139	A	Prime Particle Group						
18/07/2024 11:05:00	Argo5 Unit1 1 of 3	Argos5_374		Rodriguez	Michael		123	786139	A	Prime Particle Group	18/07/2024 11:03:54	18/07/2024 11:05:12	1221	Document Review	CZ	Controlled Zone
18/07/2024 10:59:00	Argo5 Unit1 1 of 3	Argos5_374		Perez	Justin		1147	525402	A	Global Atom Limited	18/07/2024 10:49:19	18/07/2024 10:59:54	2229	System Diagnostics	CZ	Controlled Zone
07/07/2024 23:18:00	Argo5 Unit1 1 of 3	Argos5_374		Perez	Justin		1147	525402	A	Global Atom Limited	07/07/2024 21:47:00	07/07/2024 23:18:00	1588	Logistics Planning	RCA U1	UNIT 1 Main RCA
07/07/2024 21:11:00	Argo5 Unit1 1 of 3	Argos5_374		Lopez	Melinda		1111	776650	A	Global Atom Limited	07/07/2024 20:50:00	07/07/2024 21:11:00	2229	System Diagnostics	RCA U1	UNIT 1 Main RCA
07/07/2024 20:04:00	Argo5 Unit1 1 of 3	Argos5_374		Jones	Anna		1104	605275	A	Integrated Fusion Syste...	07/07/2024 17:39:00	07/07/2024 20:04:00	4894	Security Patrol	RCA U1	UNIT 1 Main RCA
07/07/2024 19:42:00	Argo5 Unit1 1 of 3	Argos5_374		West	Jimmy		1203	688635	A	Quantum Quantum Gro...	07/07/2024 18:18:00	07/07/2024 19:42:00	3505	Environmental Tes...	RCA U1	UNIT 1 Main RCA
07/07/2024 17:31:00	Argo5 Unit1 1 of 3	Argos5_374		Walker	Cory		1199	625392	A	Prime Nuclear Incorpor...	07/07/2024 14:23:00	07/07/2024 17:31:00	2738	Field Survey	RCA U1	UNIT 1 Main RCA
07/07/2024 17:02:00	Argo5 Unit1 1 of 3	Argos5_374		Martin	Johnny		1074	894527	A	Innovative Reactor Te...	07/07/2024 15:10:00	07/07/2024 17:02:00	3884	Safety Briefing	RCA U1	UNIT 1 Main RCA
07/07/2024 14:37:00	Argo5 Unit1 1 of 3	Argos5_374		Castaneda	Larry		1053	597114	CONTRAC...	Tech Particle Corpora...	07/07/2024 14:18:00	07/07/2024 14:37:00	2921	Supply Inventory	RCA U1	UNIT 1 Main RCA
07/07/2024 13:42:00	Argo5 Unit1 1 of 3	Argos5_374		James	Sabrina		1046	321400	A	Tech Particle Limited	07/07/2024 09:45:00	07/07/2024 13:42:00	4894	Security Patrol	RCA U1	UNIT 1 Main RCA
07/07/2024 13:39:00	Argo5 Unit1 1 of 3	Argos5_374		Lee	Tiffany		1196	641862	A	Advanced Quantum Sy...	07/07/2024 09:21:00	07/07/2024 13:39:00	5160	Coolant System Ch...	RCA U1	UNIT 1 Main RCA
07/07/2024 09:19:00	Argo5 Unit1 1 of 3	Argos5_374		Bryan	April		1020	351948	A	Integrated Reactor Sol...	07/07/2024 08:50:00	07/07/2024 09:19:00	4067	Operational Testing	RCA U1	UNIT 1 Main RCA
07/07/2024 09:17:00	Argo5 Unit1 1 of 3	Argos5_374		Estrada	Leon		1184	223429	A	Prime Radiation Limited	07/07/2024 06:00:00	07/07/2024 09:17:00	1588	Logistics Planning	RCA U1	UNIT 1 Main RCA
07/07/2024 07:59:00	Argo5 Unit1 1 of 3	Argos5_374		Rodriguez	Michael		123	786139	A	Prime Particle Group	07/07/2024 03:38:00	07/07/2024 07:59:00	1457	Radiation Monitori...	RCA U1	UNIT 1 Main RCA
07/07/2024 05:54:00	Argo5 Unit1 1 of 3	Argos5_374		Richardson	Christina		1169	501960	A	Innovative Fusion Group	07/07/2024 01:21:00	07/07/2024 05:54:00	8171	Performance Revi...	RCA U1	UNIT 1 Main RCA
07/07/2024 00:58:00	Argo5 Unit1 1 of 3	Argos5_374		White	Benjamin		1159	544739	A	Global Nuclear Solutions	06/07/2024 16:52:30	07/07/2024 00:58:00			RCA U1	UNIT 1 Main RCA
06/07/2024 22:57:00	Argo5 Unit1 1 of 3	Argos5_374		Jones	Anna		1104	605275	A	Integrated Fusion Syste...	06/07/2024 21:10:00	06/07/2024 22:57:00	1457	Radiation Monitori...	RCA U1	UNIT 1 Main RCA
06/07/2024 20:49:00	Argo5 Unit1 1 of 3	Argos5_374		Martin	Johnny		1074	894527	A	Innovative Reactor Te...	06/07/2024 16:14:00	06/07/2024 20:49:00	3505	Environmental Tes...	RCA U1	UNIT 1 Main RCA
06/07/2024 19:01:00	Argo5 Unit1 1 of 3	Argos5_374		Lee	Tiffany		1196	641862	A	Advanced Quantum Sy...	06/07/2024 15:43:00	06/07/2024 19:01:00	5602	Performance Revi...	RCA U1	UNIT 1 Main RCA
06/07/2024 15:30:00	Argo5 Unit1 1 of 3	Argos5_374		Castaneda	Larry		1053	597114	CONTRAC...	Tech Particle Corpora...	06/07/2024 11:08:00	06/07/2024 15:30:00	5999	Project Planning	RCA U1	UNIT 1 Main RCA
06/07/2024 15:12:00	Argo5 Unit1 1 of 3	Argos5_374		Estrada	Leon		1184	223429	A	Prime Radiation Limited	06/07/2024 12:05:00	06/07/2024 15:12:00	8171	Performance Revi...	RCA U1	UNIT 1 Main RCA
06/07/2024 11:14:00	Argo5 Unit1 1 of 3	Argos5_374		Richardson	Christina		1169	501960	A	Innovative Fusion Group	06/07/2024 09:34:00	06/07/2024 11:14:00	8171	Performance Revi...	RCA U1	UNIT 1 Main RCA
06/07/2024 10:20:00	Argo5 Unit1 1 of 3	Argos5_374		James	Sabrina		1046	321400	A	Tech Particle Limited	06/07/2024 07:47:00	06/07/2024 10:20:00	7299	Facility Audit	RCA U1	UNIT 1 Main RCA
06/07/2024 08:47:00	Argo5 Unit1 1 of 3	Argos5_374		White	Benjamin		1159	544739	A	Global Nuclear Solutions	06/07/2024 05:26:00	06/07/2024 08:47:00	5999	Project Planning	RCA U1	UNIT 1 Main RCA
06/07/2024 07:12:00	Argo5 Unit1 1 of 3	Argos5_374		Bryan	April		1020	351948	A	Integrated Reactor Sol...	06/07/2024 05:52:00	06/07/2024 07:12:00	1457	Radiation Monitori...	RCA U1	UNIT 1 Main RCA
06/07/2024 05:02:00	Argo5 Unit1 1 of 3	Argos5_374		Rodriguez	Michael		123	786139	A	Prime Particle Group	06/07/2024 04:25:00	06/07/2024 05:02:00	7862	Public Relations	RCA U1	UNIT 1 Main RCA
06/07/2024 04:27:00	Argo5 Unit1 1 of 3	Argos5_374		Perez	Justin		1147	525402	A	Global Atom Limited	06/07/2024 04:09:00	06/07/2024 04:27:00	8171	Performance Revi...	RCA U1	UNIT 1 Main RCA
06/07/2024 03:48:00	Argo5 Unit1 1 of 3	Argos5_374		Lopez	Melinda		1111	776650	A	Global Atom Limited	06/07/2024 18:04:00	06/07/2024 03:48:00			RCA U1	UNIT 1 Main RCA

Contamination Measurements

- Physical Integration
- Logical Integration
- Post Event Integration

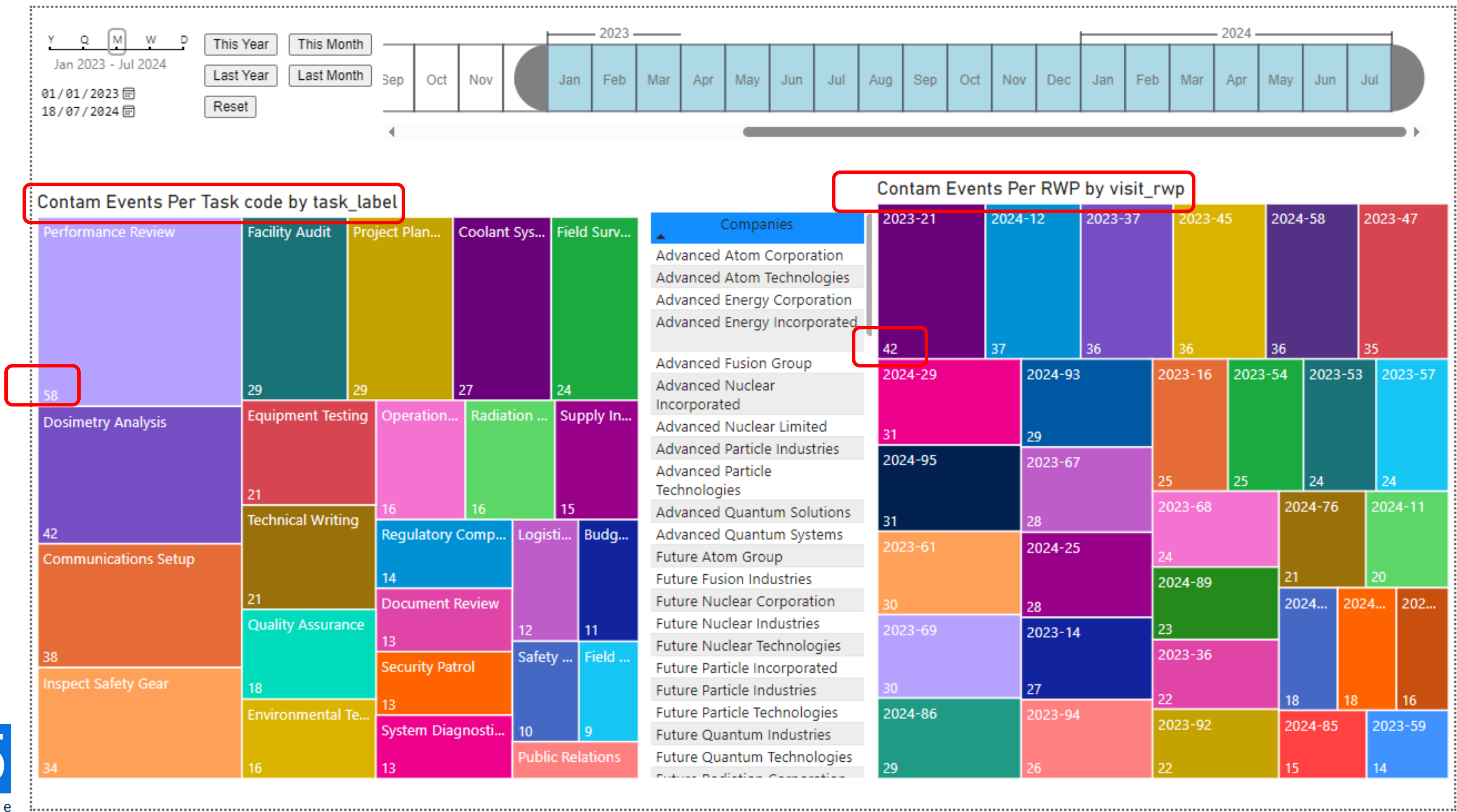
All measurement values from all detectors are stored, allowing identification of the location of the contamination.

Worker contamination detail			Record 5 of 6939
General worker information			
Last Name	Lopez		
First Name	Melinda		
Worker Id	1111		
External ID of the worker	776650		
Company name	Global Atom Limited		
Section code			
Section name			
Social Security Number			
Worker's health physics category	A		
Contamination information			
Contamination date	07/07/2024 21:11:00		
Portal Id	Argo5 Unit1 1 of 3		
Position	1		
Import date	22/07/2024		
Model	Argos5_374		
Sanction	Low Contamination		
Measurements			
Foot Detectors			
DETECTOR 01 BETA	0.704 Cps	Low Contamination	
DETECTOR 02 BETA	1.163 Cps		
Leg Detectors			
Body Detectors			
DETECTOR 09 BETA	0.903 Cps		
DETECTOR 10 BETA	1.613 Cps		
DETECTOR 11 BETA	1.263 Cps		
DETECTOR 12 BETA	1.225 Cps		
DETECTOR 13 BETA	1.687 Cps		
DETECTOR 14 BETA	1.93 Cps		
DETECTOR 15 BETA	1.015 Cps		
DETECTOR 16 BETA	0.383 Cps		
DETECTOR 17 BETA	0.909 Cps		
Side Detectors			
Hand Detectors			
Arm Detectors			
Top of head Detectors			
Shoe Detectors			
Frisker Detectors			
Body1 Detectors			
Body2 Detectors			
Body3 Detectors			
Item Bottom Detectors			
Item Top Detectors			

Exploitation of Contamination information

- ✓ Physical Integration
- ✓ Logical Integration
- ✓ Post Event Integration

Once contamination information is stored in DosiServ and linked to workers and passages, building reports to produce statistics on contamination events become an achievable target.



Exploitation of Contamination information

- ✓ Physical Integration
- ✓ Logical Integration
- ✓ Post Event Integration

The contamination measurements screen, as it links measurements with the related visits and tasks / RWP provides a built-in feature to follow-up statistics on contamination events per task or per companies for instance.

Sanction ▾									
Task Code ▾									
Contamination information			General worker information		Additional worker information	Visit information			
Contamination da...	Portal Id	▾ ▴	Last Name	First Name	Company name	Visit end	Task Code ▾	Task name	Area
=	ABC	=	ABC	ABC	ABC	=	ABC	ABC	ABC
▼ Sanction: ☠ Low Contamination									
▶ Task Code:									
▼ Task Code: 1221									
⊕ 14/0...	Argo5 Unit1 1 of 3	☠	Martin	Johnny	Innovative Reactor Technologies	14/05/2024 07:25:00	1221	Document Review	RCA U1
⊕ 14/0...	Argo5 Unit1 1 of 3	☠	Perez	Justin	Global Atom Limited	14/06/2024 11:23:00	1221	Document Review	RCA U1
▼ Task Code: 1457									
⊕ 28/0...	Argo5 Unit1 1 of 3	☠	Richardson	Christina	Innovative Fusion Group	28/04/2024 15:32:00	1457	XRAY (rate Alarm)	RCA U1
⊕ 16/0...	Argo5 Unit1 1 of 3	☠	Richardson	Christina	Innovative Fusion Group	16/05/2024 23:23:00	1457	XRAY (rate Alarm)	RCA U1
⊕ 11/0...	Argo5 Unit1 1 of 3	☠	Richardson	Christina	Innovative Fusion Group	11/06/2024 19:46:00	1457	XRAY (rate Alarm)	RCA U1
⊕ 30/0...	Argo5 Unit1 1 of 3	☠	James	Sabrina	Tech Particle Limited	30/06/2024 20:39:00	1457	XRAY (rate Alarm)	RCA U1
⊕ 05/0...	Argo5 Unit1 1 of 3	☠	Perez	Justin	Global Atom Limited	05/07/2024 09:17:00	1457	XRAY (rate Alarm)	RCA U1

Overview on the generic measurements import configuration

The body monitor measurements file import feature in DosiServ is very flexible and can accommodate to any file format.

Measurements Import Configuration

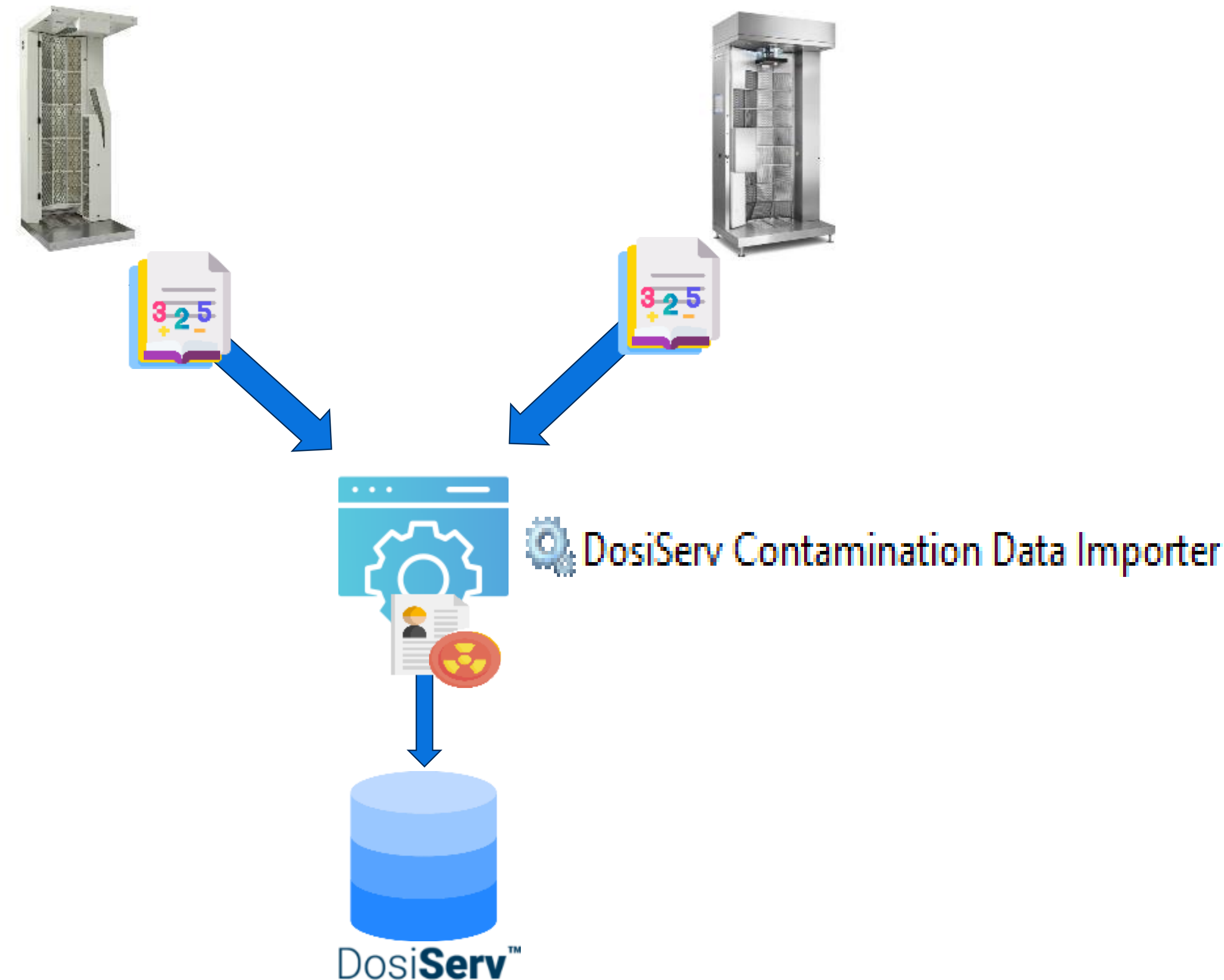
- Windows Service Configuration
 - Overview
 - Monitors Definition
 - Other parameters
 - Link with Passages/Visits configuration

Windows Service Configuration - Overview

The import of the body monitors measurements file is performed by the DosiServ dedicated Windows service named ***DosiServ Contamination Data Importer***.

Its duty is to:

- Collect and store the files from the body monitors on a regular basis
- Process the measurements files to create measurements records that will be linked to workers and stored into the DosiServ database
- Link the contamination measurements to the relevant passages (no contaminated flag is set)



Windows Service Configuration – Monitors definition

The *DosiServ Contamination Data Importer* Windows service can be configured in the  `ContaminationDataImporter.exe.config` file in the DosiServ installation folder.

The body monitors to be checked by the service need to be configured in the `<contaminationImportSettings>` section:

```
<contaminationImportSettings>
  <systemFiles>
    <!-- KBG : Not responding portals on 11/2024-->
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.193" portalName="192.168.3.193-RPOO-ARGOS1" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.211" portalName="192.168.3.211-LLW-ARGOS8" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.214" portalName="192.168.3.214-CHEM-ARGOS9" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <!-- KBG : Portals connected on 11/2024-->
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.194" portalName="192.168.3.194-RPOO-ARGOS2" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.195" portalName="192.168.3.195-RPOO-ARGOS3" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.196" portalName="192.168.3.196-RPOO-ARGOS5" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.204" portalName="192.168.3.204-DWS-ARGOS5" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.205" portalName="192.168.3.205-DWS-ARGOS6" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.206" portalName="192.168.3.206-6-KPM-101-AR" portalModel="KBG_Argos5_130" fileNameOrPattern="CONTAM[130][DZ].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.207" portalName="192.168.3.207-ISI-ARGOS7" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
    <systemFile folderPath="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\192.168.3.254" portalName="192.168.3.254-0-KPM-001-AR" portalModel="KBG_Argos5_191" fileNameOrPattern="CONTAM[191][GI].CSV" dateFormat="yyyy-MM-dd HH:mm:ss.fff" />
  </systemFiles>
  <ftpFiles>
  </ftpFiles>
</contaminationImportSettings>
```

Windows Service Configuration – Monitors definition

Every body monitor is linked to a portal model that needs to be described in the `<portalsModelsSettings>` section:

```
<portalModel model="Argos6" monitorIdIndex="0" contaminationDateIndex="1" workerIdIndex="3" positionIndex="4" uniteIndex="263">
  <zones>
    <zone id="1" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="9" fieldName="DETECTOR01_RATEALPHA" fieldLabel="DETECTOR 01 ALPHA" />
    <zone id="1" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="6" fieldName="DETECTOR01_RATEBETA" fieldLabel="DETECTOR 01 BETA" />
    <zone id="2" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="15" fieldName="DETECTOR02_RATEALPHA" fieldLabel="DETECTOR 02 ALPHA" />
    <zone id="2" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="12" fieldName="DETECTOR02_RATEBETA" fieldLabel="DETECTOR 02 BETA" />
    <zone id="3" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="21" fieldName="DETECTOR03_RATEALPHA" fieldLabel="DETECTOR 03 ALPHA" />
    <zone id="3" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="18" fieldName="DETECTOR03_RATEBETA" fieldLabel="DETECTOR 03 BETA" />
    <zone id="4" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="27" fieldName="DETECTOR04_RATEALPHA" fieldLabel="DETECTOR 04 ALPHA" />
    <zone id="4" zoneDescription="Foot" zoneType="Detector" zoneGroup="Foot" columnIndexInFile="24" fieldName="DETECTOR04_RATEBETA" fieldLabel="DETECTOR 04 BETA" />
    <zone id="5" zoneDescription="Shoe Top" zoneType="Detector" zoneGroup="Body" columnIndexInFile="33" fieldName="DETECTOR05_RATEALPHA" fieldLabel="DETECTOR 05 ALPHA" />
    <zone id="5" zoneDescription="Shoe Top" zoneType="Detector" zoneGroup="Body" columnIndexInFile="30" fieldName="DETECTOR05_RATEBETA" fieldLabel="DETECTOR 05 BETA" />
    <zone id="6" zoneDescription="Shoe Top" zoneType="Detector" zoneGroup="Body" columnIndexInFile="39" fieldName="DETECTOR06_RATEALPHA" fieldLabel="DETECTOR 06 ALPHA" />
    <zone id="6" zoneDescription="Shoe Top" zoneType="Detector" zoneGroup="Body" columnIndexInFile="36" fieldName="DETECTOR06_RATEBETA" fieldLabel="DETECTOR 06 BETA" />
    <zone id="7" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="45" fieldName="DETECTOR07_RATEALPHA" fieldLabel="DETECTOR 07 ALPHA" />
    <zone id="7" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="42" fieldName="DETECTOR07_RATEBETA" fieldLabel="DETECTOR 07 BETA" />
    <zone id="8" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="51" fieldName="DETECTOR08_RATEALPHA" fieldLabel="DETECTOR 08 ALPHA" />
    <zone id="8" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="48" fieldName="DETECTOR08_RATEBETA" fieldLabel="DETECTOR 08 BETA" />
    <zone id="9" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="57" fieldName="DETECTOR09_RATEALPHA" fieldLabel="DETECTOR 09 ALPHA" />
    <zone id="9" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="54" fieldName="DETECTOR09_RATEBETA" fieldLabel="DETECTOR 09 BETA" />
    <zone id="10" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="63" fieldName="DETECTOR10_RATEALPHA" fieldLabel="DETECTOR 10 ALPHA" />
    <zone id="10" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="60" fieldName="DETECTOR10_RATEBETA" fieldLabel="DETECTOR 10 BETA" />
    <zone id="11" zoneDescription="Leg" zoneType="Detector" zoneGroup="Body" columnIndexInFile="69" fieldName="DETECTOR11_RATEALPHA" fieldLabel="DETECTOR 11 ALPHA" />
  </zones>
</portalModel>
```


Windows Service Configuration – Other Parameters

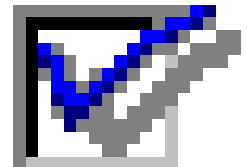
Some other parameters can be configured in the  ContaminationDataImporter.exe.config file:

```
<appSettings>
  <!-- Microsoft Application Logging Block settings -->
  <!-- applicationLogLevel: none, always, error, warning, informational, debug -->
  <add key="applicationLogLevel" value="informational" />
  <add key="instrumentationConfigFile" value="ContaminationDataImporter.EIF.config" />
  <!-- number of loop max to connect to database -->
  <add key="maxWaitingLoopNumber" value="20" />
  <!-- Folder on the localmachine where to copy each 'contam.csv' files from each "pc name\folder" before computing -->
  <!-- After beeing computed the file will be copied into a folder called like dateTimePattern value -->
  <!-- If an error occured in one line, a .err file will be created with each problematic line -->
  <add key="filePath" value="D:\DosiServ-Shared\ARGOS-CONTAM-FILES\" />
  <add key="dateTimePattern" value="yyyyMMdd HHmmss" />
  <!-- How often the service shall wake up and compute the files -->
  <!-- Unit is the HOUR -->
  <add key="serviceFrequency" value="6" />
  <!-- Delete original files after import process -->
  <add key="deleteOriginalFiles" value="0" />
  <!-- tolerance period to associate contamination and exit passage, in seconds -->
  <add key="passageContaminationTolerancePeriod" value="60" />
  <!-- obsolescence time of the imported contamination data. Unit is days. 0 = No purge. -->
  <add key="dataPurgeTime" value="0" />
  <!-- Lists the values, separated by a comma, of the Card Reader column (#3) that will be ignored by the import service. Example "no card reader". -->
  <add key="ignoredCardReaderValues" value="no card reader,-" />
  <!-- if not defined or set to 1, system checks if a more recent contamination has been already imported for a portal : if then, skip the current contamination -->
  <!-- if set to 0, this checking is not done -->
  <add key="checkLastImportDateByPortal" value="1" />
  <!-- ignore contamination older than this value, 0 to disable the feature -->
  <add key="maxContaminationAgeForImport" value="730" />
</appSettings>
```

Windows Service Configuration – Link Passage/Measurements

To enable the algorithm that will link contamination measurements to passages in the DosiServ database, it is needed to tick the following check box in the DosiGUI's general parameters screen:

Activate passages contaminations links feature

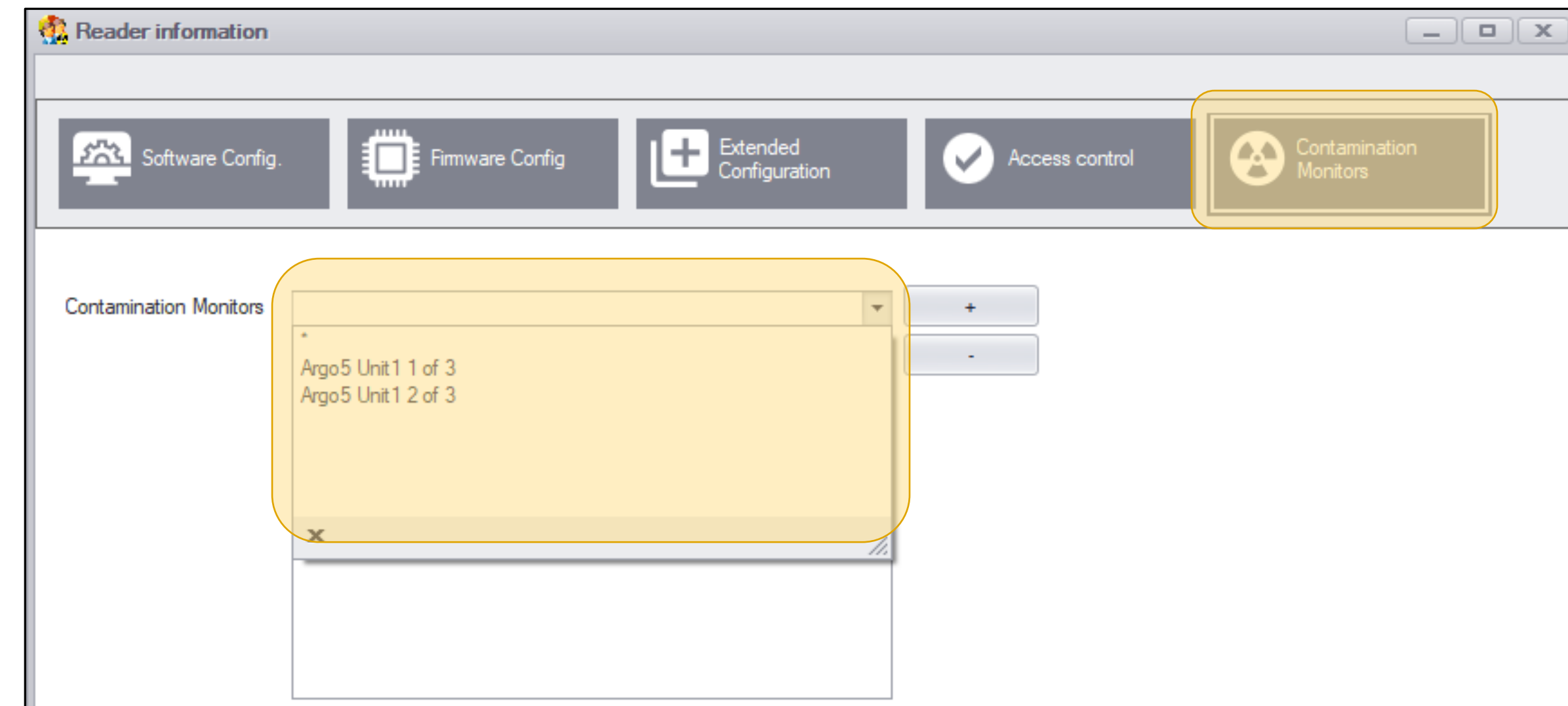


Windows Service Configuration – Link Passage/Measurements

Then, to facilitate the algorithm, it is required to link the dosimetry readers to one or several body monitors.

The idea is to link to a body monitor the readers that are likely to be used after having gone through this specific body monitor.

The algorithm will try to link the measurements from a body monitor only to the passages done on the readers that are linked to this body monitor.



Roundtable



From users' point of view, how having the contaminated events and measurements in the DosiServ database could be leveraged ?

For which purpose?







Is there any additional feature to the current DosiServ's contamination measurements capability that could be valuable ?

DosiServ – Part 2

- DosiServ 2023 (V1.30.5)
- Alarms managements
- Contamination Events
- RWP & Task Management

Locations

- Both items are located in the same area in the main menu
- Both items have common sub menus : Information/Authorizations/Groups

Drag a column header here to group by that column										
General task information			Validity period (in days)			Task dosimetry		Maximum doses		
	Task No. 	Task name	Comments	valid from	valid to	Suspended	HP10 dose over estimated	HP10 dos...	HP10G max ...	HP10G max.r
				=	=			=	=	=
1221		Decomissioning		29/07/2023	01/08/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	10,0		
1457		XRAY		23/10/2023	21/09/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	5,0		
1588		Logistics Planning		16/08/2023	08/01/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
2229		Default Set points		12/06/2023	12/10/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	9000,0		
2618		Field Survey Building 1		17/01/2023	10/10/2025	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	10,0	57,0	335,4
2738		Routine Survey		20/04/2023	16/10/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2,0		
2849		Quality Assurance		30/06/2023	24/07/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
2921		Supply Inventory		28/11/2023	30/07/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
3030		Budget Review		20/04/2023	04/04/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
3179		Equipment Testing		17/06/2023	08/05/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
3505		Environmental Testing		31/08/2023	11/10/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
3514		Regulatory Compliance		16/07/2023	03/07/2024	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
3884		RadioGraphy		20/09/2023	07/03/2025	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	50,0	53,2	456,0

Filters													
Drag a column header here to group by that column													
	RWP Code	Operat...	Revision	Status	Description	Authorized by	Authorization date	Suspended by	Suspension Date	HP10 dose sum over estimated dose	Gamma dose	Estimated tot...	Neutron dose
Y	000	000	=	=	000	000	=	000	=		=	=	=
	2024-02	02	0	Authorized	Inspection of reactor contain...	mgp	16/10/2023			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>		12000.0	
	2024-02		1	Draft	Inspection of reactor contain...					<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>		12000.0	
	2024-06	06	2	Authorized	Periodic health physics surv...	mgps	08/08/2024			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>		12000.0	
	2024-11	11	2	Authorized	Quality control checks of per...	mgp	11/01/2024			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	1571.8	12000.0	
	2024-24	24	0	Authorized	Leak testing of radioactive w...	mgp	11/06/2023			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2625.3	12000.0	
	2024-25	25	0	Authorized	Calibration of radiation monit...	mgp	01/03/2023			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	3101.3	12000.0	
	2024-58	58	0	Authorized	Quality control checks of per...	mgp	16/02/2023			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	6795.8	12000.0	
	2024-76	76	0	Authorized	Assessment of radiation dos...	mgp	03/09/2023			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	8101.3	12000.0	
	2024-86	86	1	Authorized	Verification of shielding effec...	mgp	08/08/2024			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	9189.6	12000.0	
	2024-93	93	0	Authorized	Safety inspection of fuel han...	mgp	20/11/2023			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	9513.9	12000.0	
	2024-95	95	0	Authorized	Routine maintenance of cool...	mgp	16/12/2023			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	10321.9	12000.0	
	RPL200	325200	1	Authorized	PUMP replacement	mgp	08/04/2025			<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	1.7	12000.0	

- Task
 - Task information
 - Task Authorizations
 - Task groups
 - Dynamic criteria
- Areas
- RWP
 - RWP information
 - RWP Authorisation
 - RWP groups
 - RWP authorized task

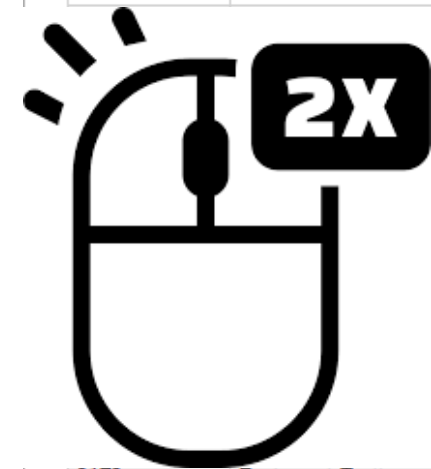
The screenshot shows the 'Navigation Control bar' at the top of the application. It features a search icon and a list of navigation items. The 'Task' item is highlighted with a pink rectangular box. Below it, the 'Areas' and 'RWP' items are also highlighted with pink rectangular boxes. The 'Task' item is further expanded, showing a sub-list of 'Task' items. The 'Areas' item is also expanded, showing a sub-list of 'Areas' items. The 'RWP' item is also expanded, showing a sub-list of 'RWP' items. The 'Task' item is further expanded, showing a sub-list of 'Task' items. The 'Areas' item is also expanded, showing a sub-list of 'Areas' items. The 'RWP' item is also expanded, showing a sub-list of 'RWP' items.

- Navigation Control bar
 - Search icon
 - Bookmarks
 - Administration
 - Worker
 - Worker information
 - Incorrect passages
 - Workers Doses
 - Worker Transfer
 - Task/Area/RWP
 - Task
 - Areas
 - RWP
 - Dashboard
 - Configuration

Editing

Task

Drag a column header here to group by that column									
General task information			Validity period (in days)			Task dosimetry		Maximum doses	
Task No.	Task name	Comments	valid from	valid to	Suspended	HP10 dose over estimated	HP10 dos...	HP10G max ...	HP10G max r...
1221	Decomissioning		29/07/2023	01/08/2024	<input type="checkbox"/>	●●●●●●●●●●	10,0		
			23/10/2023	21/09/2024	<input type="checkbox"/>	●●●●●●●●●●	5,0		
			16/08/2023	08/01/2024	<input type="checkbox"/>	●●●●●●●●●●			
			12/06/2023	12/10/2024	<input type="checkbox"/>	●●●●●●●●●●	9000,0		
			17/01/2023	10/10/2025	<input type="checkbox"/>	●●●●●●●●●●	10,0	57,0	335,4
			20/04/2023	16/10/2024	<input type="checkbox"/>	●●●●●●●●●●	2,0		
			30/06/2023	24/07/2024	<input type="checkbox"/>	●●●●●●●●●●			
			28/11/2023	30/07/2024	<input type="checkbox"/>	●●●●●●●●●●			
			20/04/2023	04/04/2024	<input type="checkbox"/>	●●●●●●●●●●			
3179	Equipment Testing		17/06/2023	08/05/2024	<input type="checkbox"/>	●●●●●●●●●●			
3505	Environmental Testing		31/08/2023	11/10/2024	<input type="checkbox"/>	●●●●●●●●●●			
3514	Regulatory Compliance		16/07/2023	03/07/2024	<input type="checkbox"/>	●●●●●●●●●●			
3884	RadioGraphy		20/09/2023	07/03/2025	<input type="checkbox"/>	●●●●●●●●●●	50,0	53,2	456,0



RWP

What is the menu telling us : ?
The RWP follow a longest administrative process

Filters

Drag a column header here to group by that column

RWP Code	Operat...	Revision	Status	Description	Authorized by	Aut...
2			Authorized	Inspection of reactor contain...	mgp	16/
2			Draft	Inspection of reactor contain...		
2			Authorized	Periodic health physics surv...	mgps	08/
2			Authorized	Quality control checks of per...	mgp	11/
2			Authorized	Leak testing of radioactive w...	mgp	11/
2			Authorized	Calibration of radiation monit...	mgp	01/
2			Authorized	Quality control checks of per...	mgp	16/
2			Authorized	Assessment of radiation dos...	mgp	03/
2			Authorized	Verification of shielding effec...	mgp	08/
2			Authorized	Safety inspection of fuel han...	mgp	20/
2024-95	95	0	Authorized	Routine maintenance of cool...	mgp	16/
RPL200	325200	1	Authorized	PUMP replacement	mgp	08/

2024-02

2024-06

2024-11

2024-24

2024-25

2024-58

2024-76

2024-86

2024-93

2024-95

RPL200

Add Rwp...

Add Revision...

Copy Revision...

Cancel Rwp...

Delete Rwp...

Edit Rwp...

Copy Rwp...

Properties...

Authorise Rwp...

Suspend Rwp...

UnSuspend Rwp

Extend Validity...

Print Rwp...

Daily doses...

Dashboard

Print Preview

Export

Details and similarities

- Both items have a global budget
- Both items have an individual Budget (Thanks to CERN)
- Access can be blocked (or not)
- Both have Dosimeter (EPD) setpoints
- Both can specify Dosimeter to be used

Task

Task information

Task 2618Field Survey Building 1

Information

Daily Doses

Dashboard

Expected total dose and duration of task

Dose and duration limit for individual worker

Access Control

Allowed Dosimeters types

All

Select All / None

Gamma

Neutron

Beta

GammaContrib

NFC

OK

Cancel

Min. dose credit necessary for using the task

HP10 minimum dose

HP007 minimum dose

Dose alarm setpoints

HP10 dose threshold

HP007 dose alarm

Neutron fraction (%)

Dose pre-alarm setpoints

HP10GN dose pre-alarm

HP007 dose pre-alarm

Rate alarm setpoints

HP10G dose rate alarm

HP10N dose rate alarm

HP007 dose rate alarm

Maximum duration alarm

Units for Dose and Rate: mrem; mrem/h

RWP

RWP details

RWP Step 1RWP Step 2RWP Step 3

Header Information

RWP Number

Operator Code

RWP Type

Component

High Risk ?

2024-02

Standing

Dose and duration limit for overall RWP

Total Estimated HP10

Total Estimated HP007

Total Estimated Duration

Access denied if estimated dose is reached

Dose and duration limit for individual worker

Individual Estimated HP10

Dose and duration limit for overall RWP

Dose and duration limit for individual worker

Alarms : EPD settings

Access control

Allowed Dosimeters types

All

Select All / None

Gamma

Neutron

Beta

GammaContrib

NFC

OK

Cancel

Briefing

Briefing Re

Alarms : EPD

Dose Thre

Dose

HP00

Neutr

Dose

HP10

HP00

Neutr

Rate Threshold

Rate HP10G Per Hour

Rate HP10N Per Hour

Rate HP007 Per Hour

Duration

Rate Label

Minimum dose credit

Minimum HP10 Dose Credit

Minimum P007 Dose Credit

<- Previous

Next ->

Cancel

Units for Dose and Rate: mrem; mrem/h

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What does RWP provide in addition ?

The screenshot shows the 'RWP details' window with several sections highlighted by pink boxes:

- Header Information:** Includes fields for RWP Number, Operator Code, RWP Type, Component, High Risk?, Red Zone?, Task required, and Description.
- Radiological Conditions:** A table listing various radiation conditions and their limits.
- Equipment types:** A section for defining equipment types used in the task.
- Dynamic Criteria:** A section for defining dynamic criteria used in the task.

Condition	Limit
Dose rate Gamma CT	
Dose rate Gamma GA	
Dose rate Neutron	
Dose rate Beta/Gamma	
Surface Contamination (ccps)	
Surface DWLS (Bq/cm²)	
Airborne Contamination (DACs)	

Equipment type

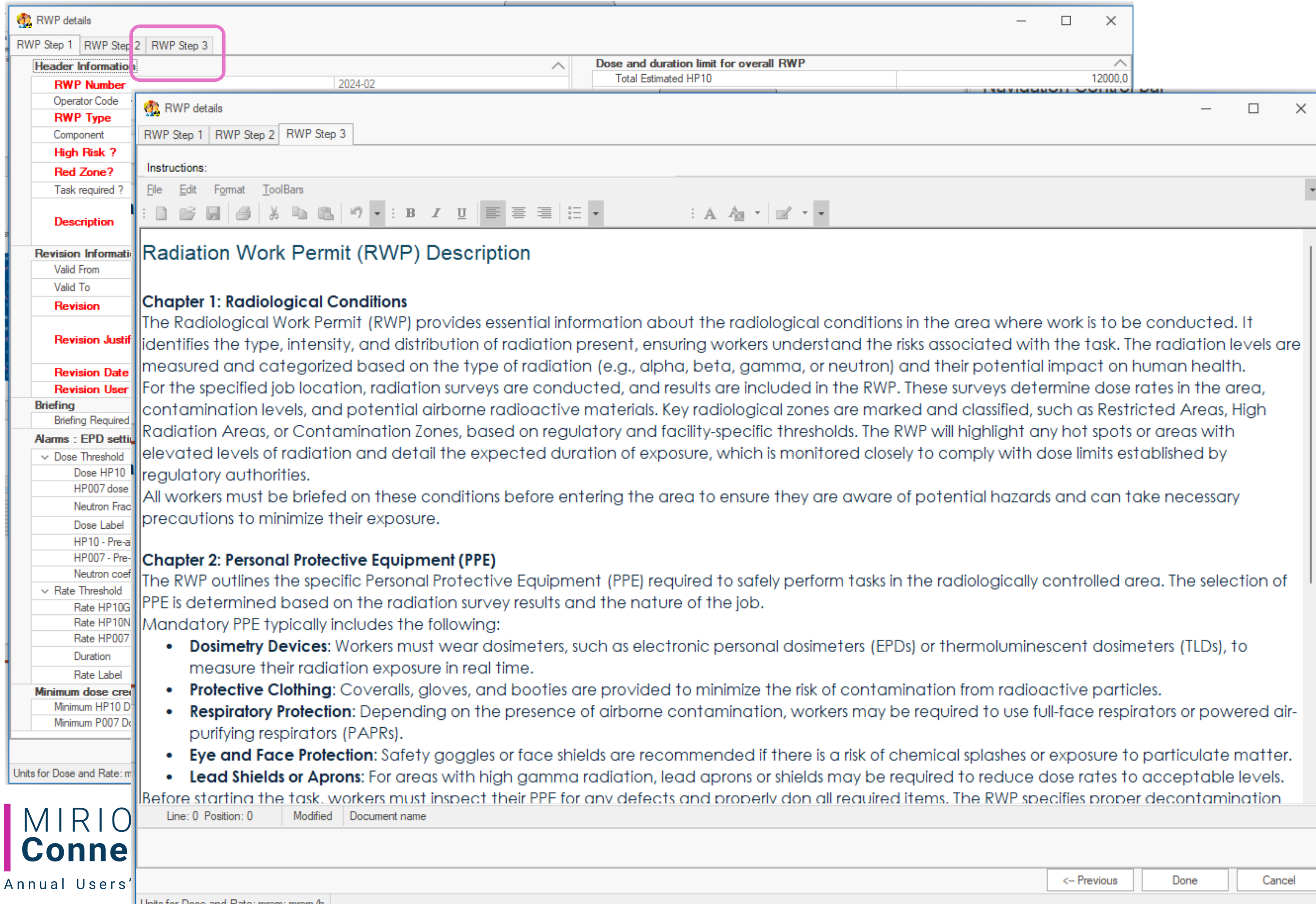
Criteria category	Code
Training	PAPR-TR
Medical	PAPR-MED

- RWP provides rad conditions info
- Equipment's required
 - Access control will check if qualifications required by equipment are fulfilled
 - Future : Access control will check the Worker is **in procession** of the required instruments
- Qualification required designed **INSIDE** the RWP (where same concept is done “outside” the Task)

A blue sidebar menu for task configuration. The 'Dynamic criteria' option at the bottom is highlighted with a pink box.

- Task information
- Task Authorizations
- Task groups
- Dynamic criteria**

What does RWP provide in addition ?

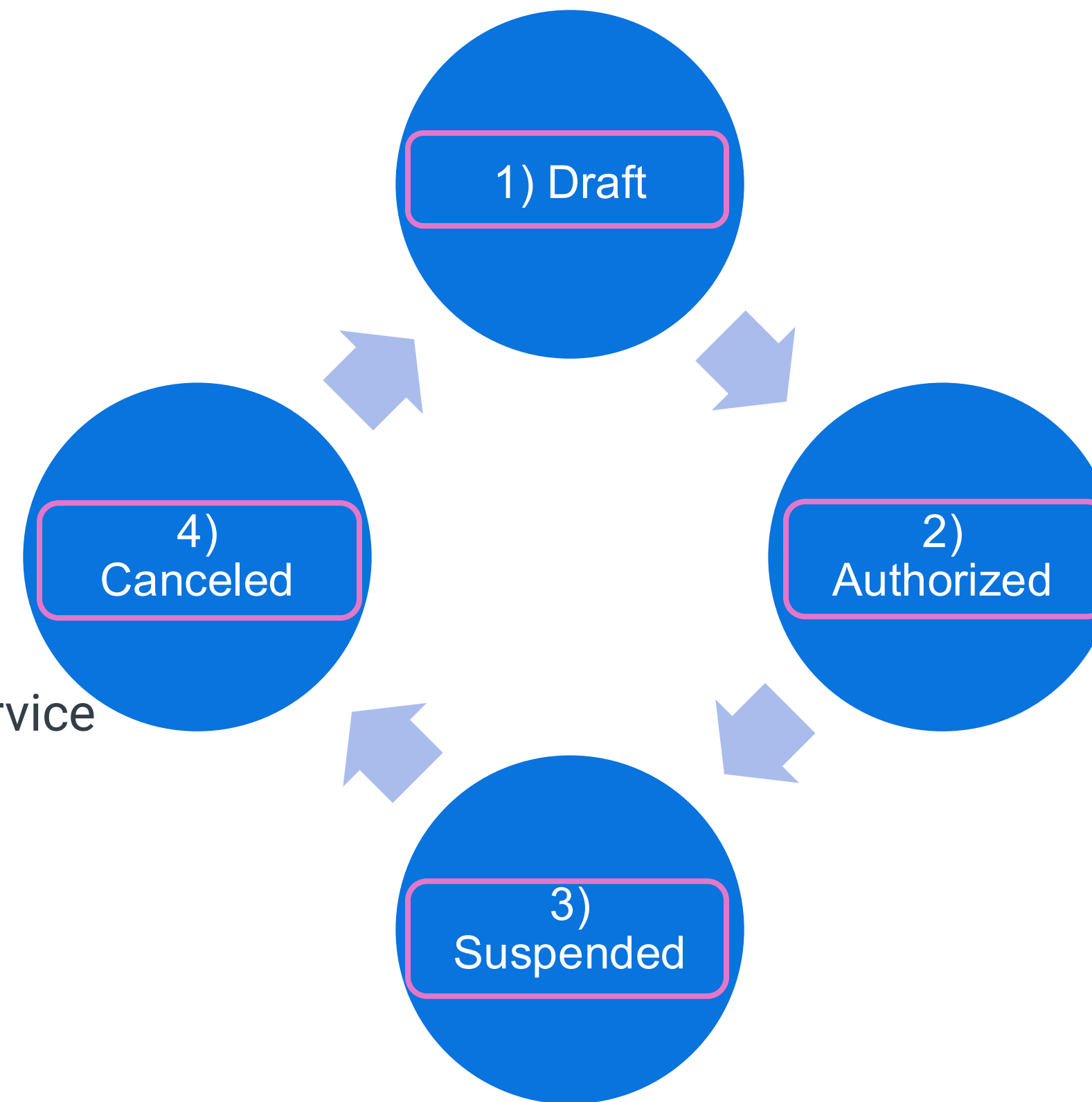


- RWP detailed free information

What does RWP provide in addition ?

Follows a workflow

- Draft
 - Can be started from scratch (new RWP)
 - Can be a new revision (1)
 - Can be copied from a previous revision
 - Can be create from a copy of an RWP
- Authorized
 - Controlled by Profile (2) (3)
- Suspended (A way to temporary stop) (4)
- Canceled → A new revision has been put in service



2024-02	1	Draft
2024-06		
2024-11		
2024-24		
2024-25		
2024-58		
2024-76		
2024-86		
2024-93		
2024-95		
RPL200		

Add Rwp...

Add Revision...

Copy Revision...

Cancel Rwp...

Delete Rwp...

Edit Rwp...

Copy Rwp...

Properties...

Authorise Rwp...

Suspend Rwp...

UnSuspend Rwp

Extend Validity...

Print Rwp...

Daily doses...

Dashboard

Print Preview

Export

New

RWP Type	Specific
Approval level	Medium
High Risk ?	High <input checked="" type="checkbox"/>
Red Zone?	Low <input type="checkbox"/>
Task required ?	<input checked="" type="checkbox"/>

- (1) Only the header will be copied
- (2) Only certain user may authorize RWP
- (3) RWP level with profile levels
- (4) Suspend / Unsuspend controlled by profiles

What does RWP provide in addition ?

Allows Briefing

- When created one can specify if briefing is required for workers
- When authorizing a new revision ALL briefing can be canceled (or not)

Briefing

Briefing Required ?☐

DOSISERV Interface - mgp/localhost - Factory - CONFIG SITE - [RWP Authorisation]

File Window Help LDMX20 configuration

Navigation Control bar

Bookmarks

Administration

Worker

- Worker information
- Incorrect passages
- Workers Doses
- Worker Transfer

Task/Area/RWP

- Task
- Areas

RWP

- RWP information
- RWP Authorisation
- RWP groups
- RWP authorized task
- Dose Threshold Template Configuration
- Rate Threshold Template Configuration

Dashboard

Configuration

Reports

Themes

RWP

Valid RWP only

RWP Number	RWP operator code	Comments	Status	valid from	valid to	Revision
2024-02	02	Inspection of reactor containmen...	A	14/12/2023	13/12/2025	0
2024-25	25	Calibration of radiation monitoring...	A	14/12/2023	13/12/2025	0
2024-93	93	Safety inspection of fuel handling...	A	14/12/2023	13/12/2025	0
2024-24	24	Leak testing of radioactive waste...	A	14/12/2023	13/12/2025	0
2024-95	95	Routine maintenance of cooling ...	A	14/12/2023	13/12/2025	0
2024-76	76	Assessment of radiation dose rat...	A	14/12/2023	13/12/2025	0
2024-58	58	Quality control checks of person...	A	14/12/2023	13/12/2025	0
2024-86	86	Verification of shielding effective...	A	14/12/2023	13/12/2025	1
2024-06	06	Periodic health physics survey of...	A	14/12/2023	13/12/2025	2
RPL200	325200	PUMP replacement	A	14/12/2023	13/12/2025	1

Available workers

Last Name	First Name	Badge Numb...	Compa...	Company name	Section name	Worker's healt...
Sullivan	Jonathon	4075	AQS1	Advanced Quantum ...		Rad Worker A
Franklin	Joan	2672	AQS1	Advanced Quantum ...		Rad Worker A
Bender	Andrew	9240	AQS	Advanced Quantum ...		Rad Worker A
Fields	Jason	7511	AQS1	Advanced Quantum ...		Rad Worker A
Lee	Tiffany	1196	AQS1	Advanced Quantum ...		Rad Worker A
Pena	Hannah	2586	AQS	Advanced Quantum ...		Rad Worker A
Weaver	Michael	7303	AQS1	Advanced Quantum ...		Rad Worker A
Chen	Marc	3212	AQS	Advanced Quantum ...		Rad Worker A
Robinson	Michael	5942	AQS	Advanced Quantum ...		Rad Worker A
Hawkins	Miguel	2308	AQS	Advanced Quantum ...		Rad Worker A
Hawkins	Bitan	7990	AQS1	Advanced Quantum ...		Rad Worker A
Dennis	Karina	1956	AQS	Advanced Quantum ...		Rad Worker A
White	Heidi	9025	AQS	Advanced Quantum ...		Rad Worker A
Smith	Sharon	1148	AQS	Advanced Quantum ...		Rad Worker A
Reed	Nicole	6803	AQS	Advanced Quantum ...		Rad Worker A
King	Joshua	2994	AQS1	Advanced Quantum ...		Rad Worker A
Thompson	Jennifer	3377	AQS	Advanced Quantum ...		Rad Worker A
Gross	David	8491	AQS	Advanced Quantum ...		Rad Worker A
Simmons	Jennifer	3472	AQS1	Advanced Quantum ...		Rad Worker A

Assigned workers

Last Na...	First N...	Worker ...	Compan...	Company name	Sectio...	Briefe...
Rodriguez	Barbara	7420	FQT	Future Quantu...		<input checked="" type="checkbox"/>
White	Benja...	1159	GNS	Global Nuclear ...		<input type="checkbox"/>
Ryan	Alden	491	QRI	Quantum Radia...		<input type="checkbox"/>

X

☒ StringId.FilterCriteriaToStringFunctionContains([Company name], 'advanced qua')

Customize

MIRION
Connect

25

Annual Users' Conference

power.
hts reserved.

What does RWP provide in addition ?

Embed Task

- One can select RWP AND task at entry time

RWP

	RWP No.	Revision	Status	RWP operator code
▼ RWC	=	=		RWC
▶ 2024-02		0	Authorized	02
▶ 2024-02		1	Draft	
2024-06		2	Authorized	06
2024-24		0	Authorized	24
2024-25		0	Authorized	25
2024-58		0	Authorized	58
2024-76		0	Authorized	76

Available tasks

Task No.	Designation
▼ RWC	RWC
▶ 1221	Decomissioning
▶ 2738	Routine Survey
2849	Quality Assurance
2921	Supply Inventory
3030	Budget Review
3179	Equipment Testing
3505	Environmental Testing
3514	Regulatory Compliance
3884	RadioGraphy
4067	Operational Testing
4318	Operational Testing
4894	Security Patrol
5160	Coolant System Check
5602	Performance Review
5902	Inspect Safety Gear
5999	Project Planning
6351	Communications Setup
6445	Dosimetry Analysis
7299	Facility Audit

RWP Task

Task No.	Designation	valid from	valid to
▼ RWC	RWC	=	=
▶ 1457	XRAY		
1588	Logistics Planning		
2229	Default Set points		
2618	Field Survey Building 1		

- Search Worker ID

Exterior Number

Last Name

First Name

Film/TLD Number

Start Date

End Date

Dosimeter

Reader Number

Anomalies

Company

Section

Task

Ssc number

Layouts

📄 🖨️ ✎️

Clear

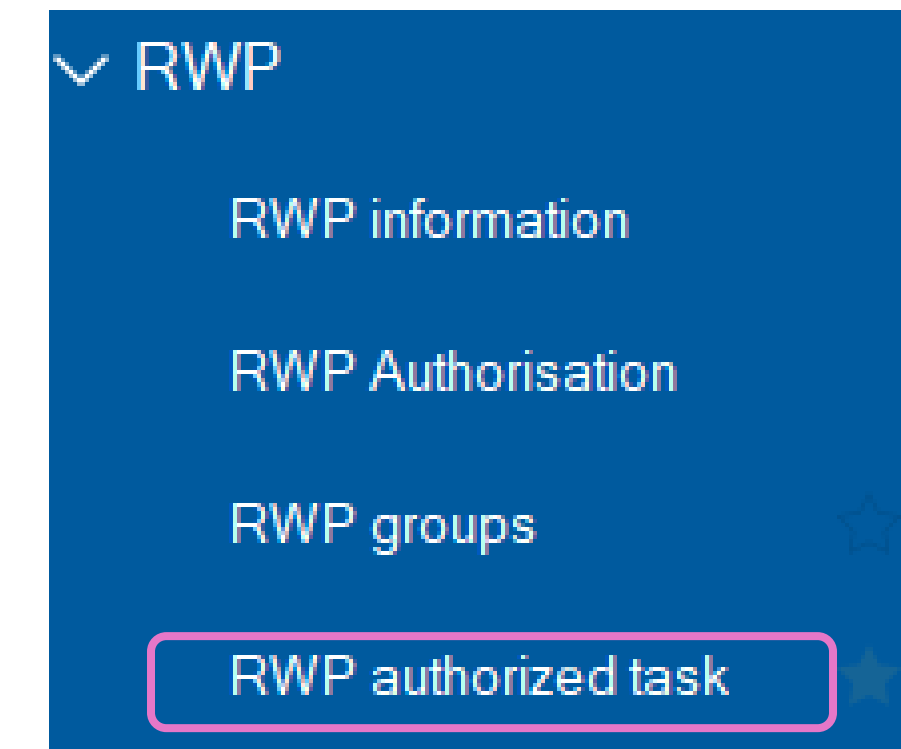
Drag a column header here to group by that column

Passage list															Time and type of passage	
List o...	Histo...	Man...	Rate ...	Dose...	Dose...	Dose...	Durat...	Cont...	Error ...	Dosi...	Access ...	Passage s...	Status of communic...	Date/Time	Dose alarm origin	Dose warning origin
▼ =	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
...										⏻	Gra..	✔ Pass..	→ Done in RMT ..	08/04/2025 22:08:13	RWP	RWP
...									❗	⏻	De..	✘ Pass..	→ Done in RMT ..	08/04/2025 19:59:44	RWP	RWP
...	📊				⚠					⏻	Gra..	✔ Pass..	→ Done in RMT ..	08/04/2025 19:50:50	Worker	Worker
...										⏻	Gra..	✔ Pass..	→ Done in RMT ..	08/04/2025 19:48:38	RWP	RWP
...									❗	⏻	De..	✘ Pass..	→ Done in RMT ..	08/04/2025 19:46:06		

ORION
connect

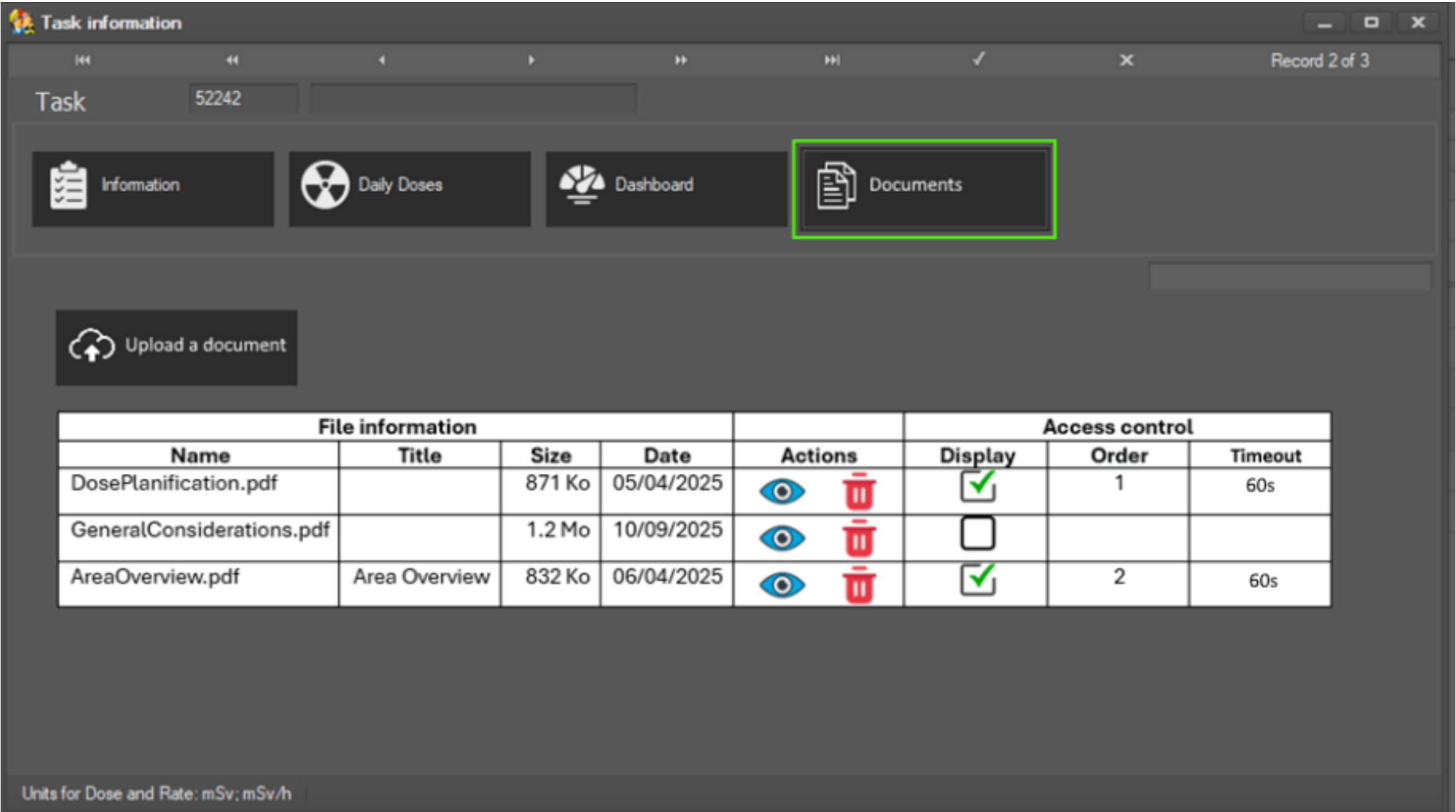
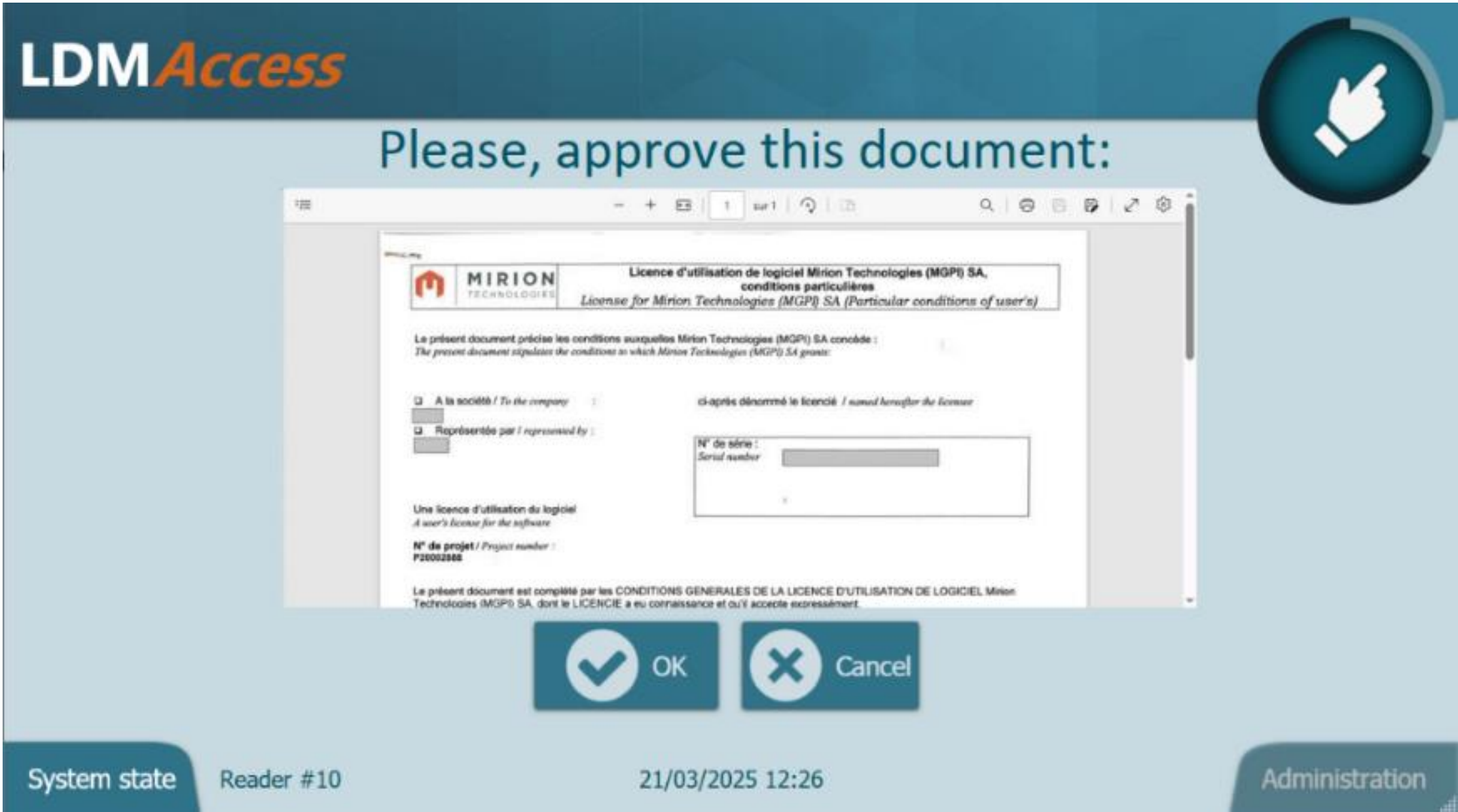
25

Users' Conference



Future

- Attach true document attachment to RWP
- Be able to display documents on reader at access time



Future

- Authorization Levels
 - In RWP
 - At profile Level
 - At User Level
- Authorization work-flow

RWP Type	Specific
Approval level	Medium
High Risk ?	High <input checked="" type="checkbox"/>
Red Zone?	Low <input type="checkbox"/>
Task required ?	<input checked="" type="checkbox"/>

DOSISERV Interface - mgp/lmn-l-hmichel - Factory - CONFIG SITE - [List of user profiles]

File Window Help LDMX20 configuration

Navigation Control bar

Record 6 of 8

Bookmarks

Name

Administrator

Doctor

Factory

Details GUI rights

Name:

RWP Approval level High Medium

New

DOSISERV Interface - mgp/lmn-l-hmichel - Factory - CONFIG SITE - [Users information]

File Window Help LDMX20 configuration

Navigation Control bar

Record 4 of 5

Bookmarks

Administration

Users

List of users

List of user profiles

Drag a column header here to group by that column

User information			Miscellaneous		Validity period (in days)				
User name	Phone No.	E-Mail	RWP Appro	Profile	Reset password	Blocked	Area group	valid to	Expiration period (in days)
JSMITH		jsmith@myorg.com	High	RSO SUPERVISOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
HMICHEL		hmichel@myorg.c...	Medium	RSO	<input checked="" type="checkbox"/>	<input type="checkbox"/>		24/04/2025	4
TSMITH		tsmithjsmith@myo...	Medium	RP TECH	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
TBRADY		tbrady@jsmith@m...		RP TECH	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
SJONSON		sjonsson@myorg...		RP TECH	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

RWP

RWP information

Future

- Authorization Levels
 - By Workers
 - By companies
 - By Sections
 - Generic

Worker Details

Record 3 of 1000

Last Name:Mr Rodriguez

First nameMichael

Insurance No.

ID Number1012

Information

Dosimetry

Access

Additional fields

Tasks / Areas / Rwp

Visits

Equipment

DIS

Dashboard

Available RWP

RWP No.	RWP operator code	Comments	Status
2024-02	02	Inspection of reactor containment vessel for integrity assessment.	Authorized
2024-06	06	Periodic health physics survey of the facility.	Authorized
2024-11	11	Quality control checks of personal protective equipment.	Authorized
2024-76	76	Assessment of radiation dose rates in operational areas.	Authorized
2024-86	86	Verification of shielding effectiveness in high radiation zones.	Authorized
2024-89	89	PUMP replacement	Draft
2024-93	93	Safety inspection of fuel handling system.	Authorized

Assigned RWP

RWP No.	Briefed	Origin	RWP Revision	Open	valid from	valid to
2024-95	<input checked="" type="checkbox"/>	W	0 95	<input checked="" type="checkbox"/>	14/12/2023	13/12/2025
2024-24	<input type="checkbox"/>	W	0 24	<input type="checkbox"/>	14/12/2023	13/12/2025
2024-25	<input type="checkbox"/>	W	0 25	<input type="checkbox"/>	14/12/2023	13/12/2025
2024-58	<input type="checkbox"/>	W	0 58	<input type="checkbox"/>	14/12/2023	13/12/2025
2024-25	<input type="checkbox"/>	S	0 25	<input type="checkbox"/>	14/12/2023	13/12/2025
2024-58	<input type="checkbox"/>	C	0 58	<input type="checkbox"/>	14/12/2023	13/12/2025
2024-25	<input type="checkbox"/>	S	0 25	<input type="checkbox"/>	14/12/2023	13/12/2025
2024-58	<input type="checkbox"/>	G	0 58	<input type="checkbox"/>	14/12/2023	13/12/2025

Task authorization

Area Authorization

RWP authorisation

Task preassignment

Units for Dose and Rate: mrem; mrem/h

Take Away

- At the end of the day we do have a dose in front a number that has been selected
 - ➔ Statistics can be done with both methods
- RWP is "heavier" on the admin side
- Be able to display documents on reader at access time coming soon for RWP