



Release notes

Micad Reports

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Introduction to Micad Reports

This guide is specific to Micad Reports and provides an overview of its key features. As the application evolves, this document will be updated accordingly. Details on new features and fixes will be listed in the final pages with each subsequent release.

What are Micad Reports

Reports serves as a central platform for accessing data from Micad Applications and professional modules. It provides a single point of access via the Micad HUB, allowing users to collaborate and share information with partners and service providers in a read-only format. Reports and data are accessible from both desktop PCs and mobile devices.

Reports can be run on demand or scheduled to run automatically. Users can easily select their topic from the left-hand menu or by using the keyword search feature. They can choose from a variety of pre-existing reports or create custom reports using the 'Create with Designer' option.

The 'Designer' tool, available as an additional feature with an extra purchase, guides users through a step-by-step process to create either private or public reports, depending on their permissions. Only report admin users have the ability to create public custom reports, which are shared with all clients within their organization. Users can save, copy, and share their 'Designer' reports with others. Once a report is saved, it can be run ad hoc or scheduled like any other report.

What's new in Micad Reports

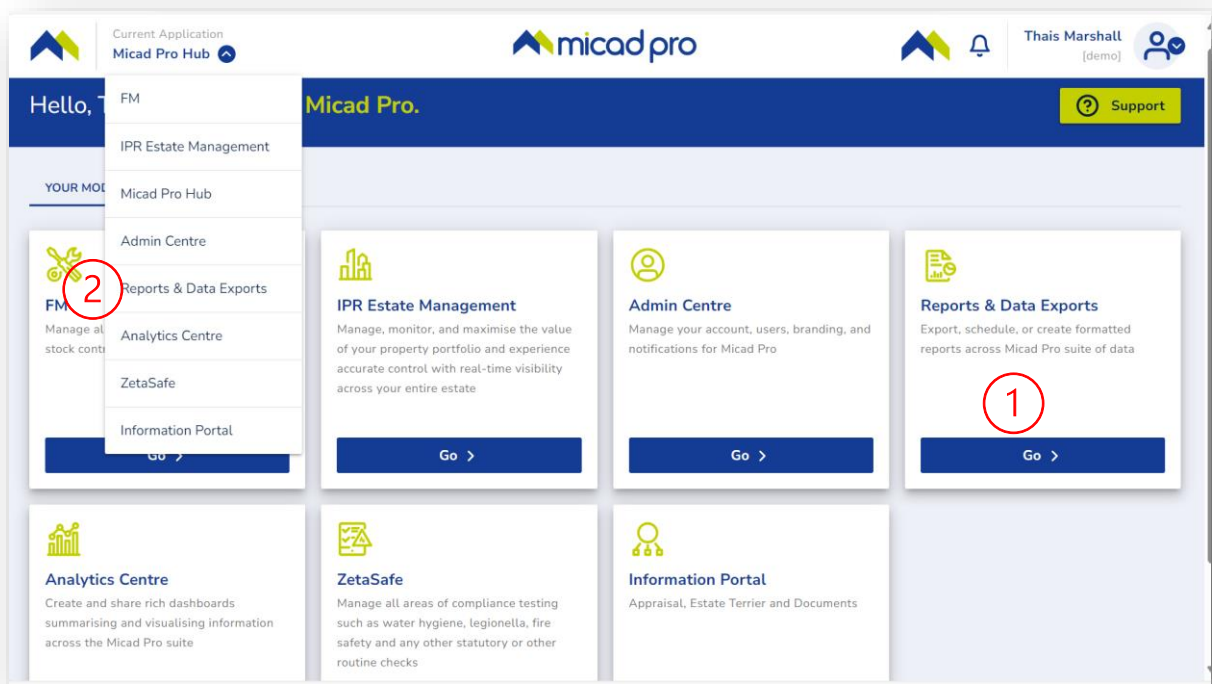
1. New technology many legacy limitations are removed
2. Unified 3rd generation UI
3. Unified centralised security 'Single Micad' login and SSO
4. The data displayed is live immediately
5. System load impact is moved away from the application module
6. Scheduler wizard
7. Mobile support with responsive design
8. Multi tenancy architecture
9. New flexible URL structures facilitate sharing and integration with third parties
10. Superior and more durable backend infrastructure
11. Ability for the user to create custom reports with **Designer**

Micad Reports

Accessing the Micad Reports service

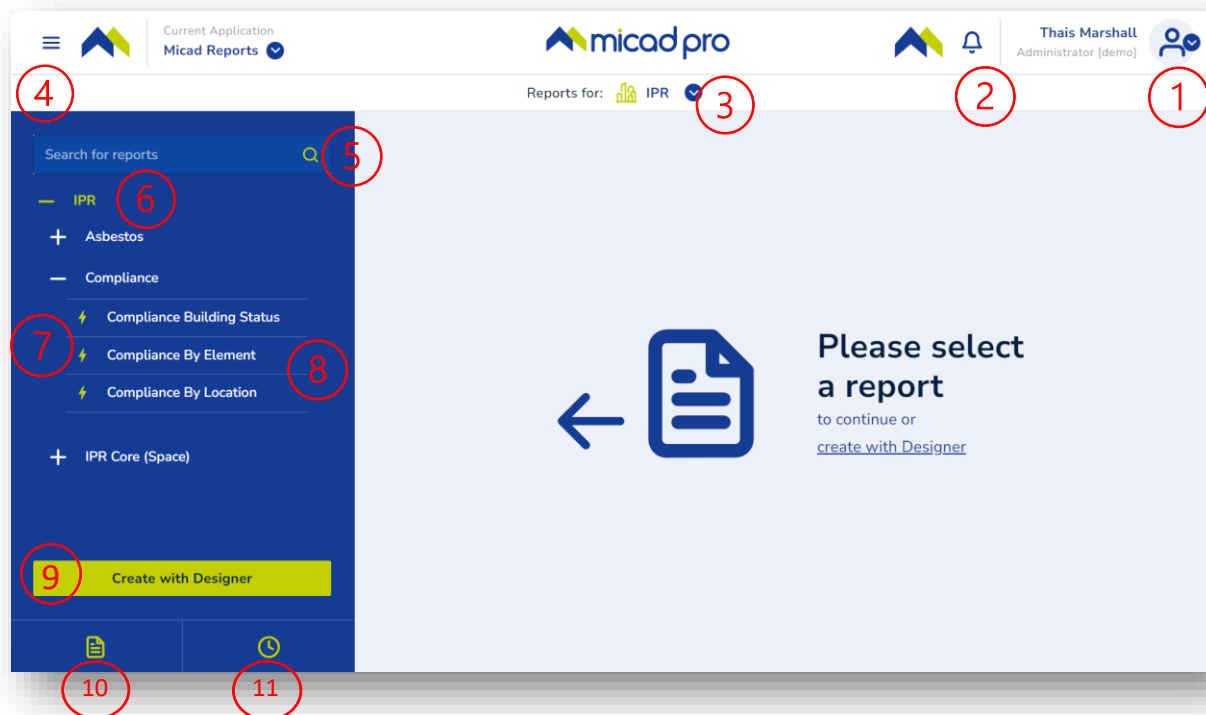
Access through Micad HUB by:

1. Selecting Reports & Data Exports tile,
2. or changing the current application to 'Reports & Data Exports'



Reports service homepage

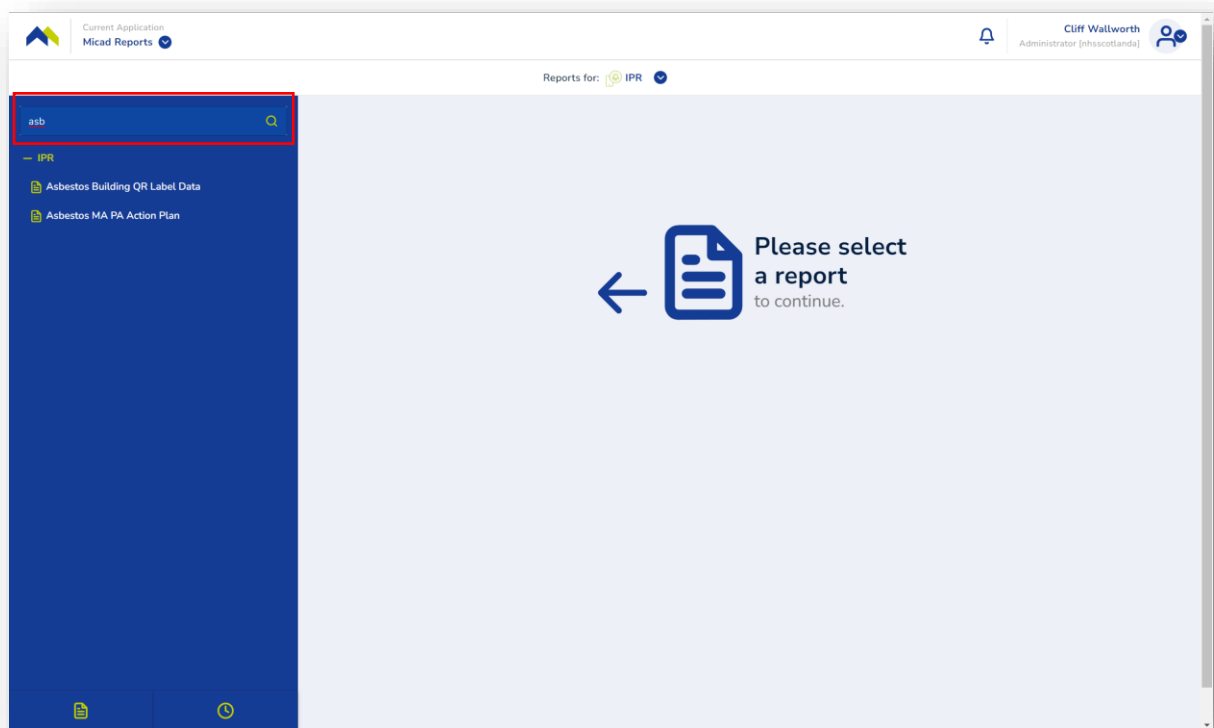
Once you enter the Reports service the homepage layout will appear.



1. Current user account login, access to user details and to 'About' page with release date and product version.
2. Reports notification feature.
3. Application selector.
4. Show/hide left-hand side menu.
5. Report search feature.
6. Tree view control (*showing – represents expanded, + represents collapsed*).
7. Reports icons (*lightning bolt represents pre-existing report, star represents custom reports created with 'Designer'*)
8. Reports list.
9. Access to 'Designer' feature.
10. Reports Activity, shows all reports (in your current user profile) already delivered.
11. Report Schedules, shows all reports (in your current user profile) already configured.

Search for a report

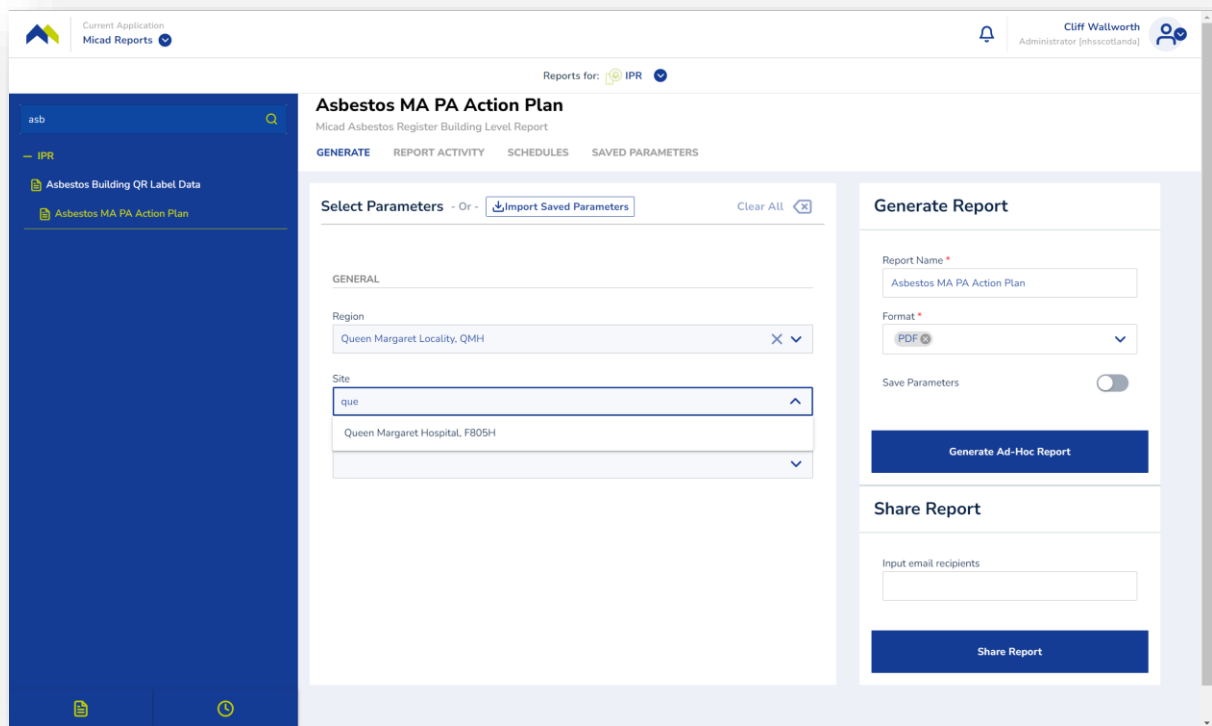
Use the search feature to track a keyword related to your report subject.



Click in the "Search for reports" text box and begin typing your keyword. As you type, the list will filter to display reports that match your search criteria. If no matches are found, the pane will appear blank.

Run a report ad hoc

Once the reports is visible in the left menu, you can request it to be run ah-hoc

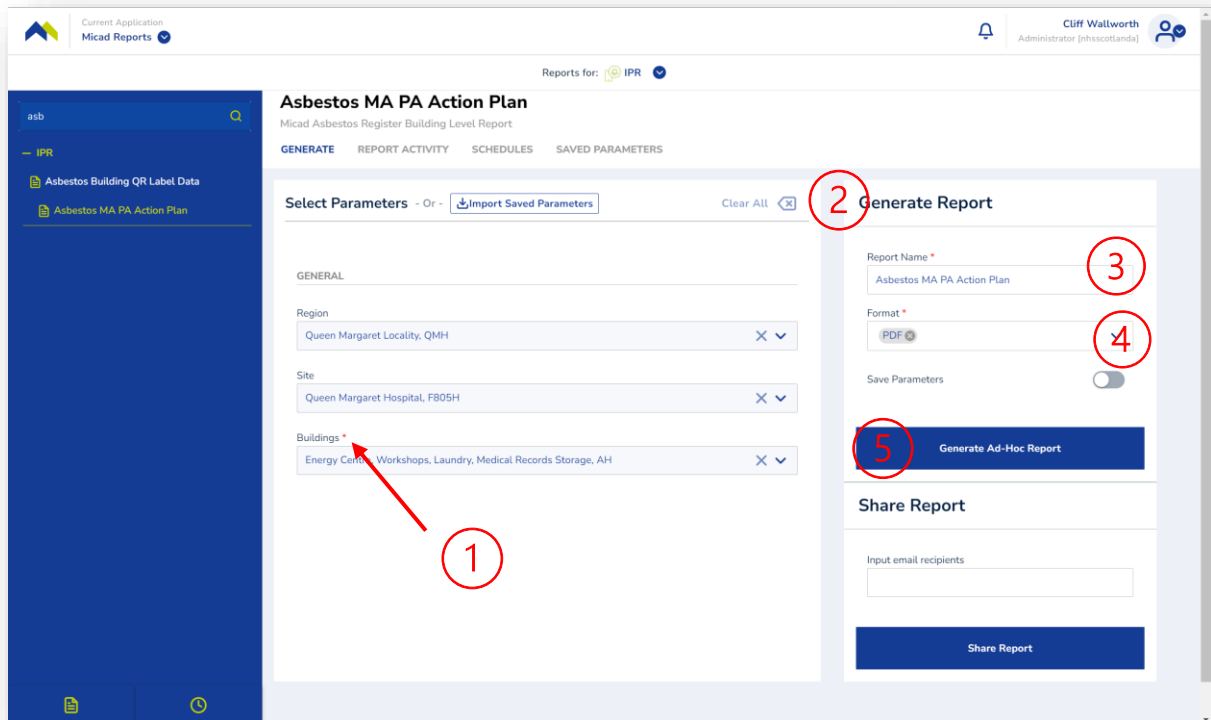


The report generator requires parameters, this asbestos report must be executed from building level

Generate tab

Click on the name of the report you wish to run. The report generator will appear in the central panel, where you can define the parameters for the specific report. Under the General tab, select the desired locations for the report. Each level features a dropdown menu displaying locations from the IPR system. The available selections are determined by the report's specifications.

Note. Report parameters are defined by each report, maybe a location-based report might require to be run at site level. The concept of location-based reports is common throughout the IPR and its professional module. When a report is designed, a description and level narrative will be provided by the developer or party that specified it.



1. The red star (Buildings) indicates this is a mandatory level by design

Each of the levels requires a location selection, working from the top (Region) each level will progressively disclose the property hierarchy.

You can scroll through the lists or if you know the name or code, just type in the text to speed up the selection process.

2. If you make a mistake, you can quickly clear all selections, Click the Clear All icon in the top right of the Generate tab.
3. You can edit the title of the report at this point.
4. Choose the format of your report.
5. You can execute the report with this minimum of information. Click 'Generate Ad Hoc Report' to execute the report.

Save and reuse the report data and format

To get more value from the report, save the parameters, detail it or email it out.

The screenshot shows a web interface for generating an asbestos report. The title is "Asbestos MA PA Action Plan" with a subtitle "Micad Asbestos Register Building Level Report". Navigation tabs include "GENERATE", "REPORT ACTIVITY", "SCHEDULES", and "SAVED PARAMETERS".

The interface is split into two main sections:

- Select Parameters:** This section allows users to choose parameters for the report. It includes a "Clear All" button and an "Import Saved Parameters" button. Under the "GENERAL" heading, there are three dropdown menus:
 - Region:** Queen Margaret Locality, QMH
 - Site:** Queen Margaret Hospital, F805H
 - Buildings:** Energy Centre, Workshops, Laundry, Medical Records Storage, AH
- Generate Report:** This section contains the following fields and controls:
 - Report Name:** QMH Energy Centre Asbestos
 - Format:** PDF (with a download icon)
 - Save Parameters:** A toggle switch that is currently turned on.
 - Name:** Block AH Asbestos in PDF

At the bottom of the "Generate Report" section is a blue button labeled "Generate Ad-Hoc Report". Below this is a "Share Report" section with an "Input email recipients" field and a blue button labeled "Share Report".

Names and parameters are helpful with repeating tasks

In the section Generate Report:

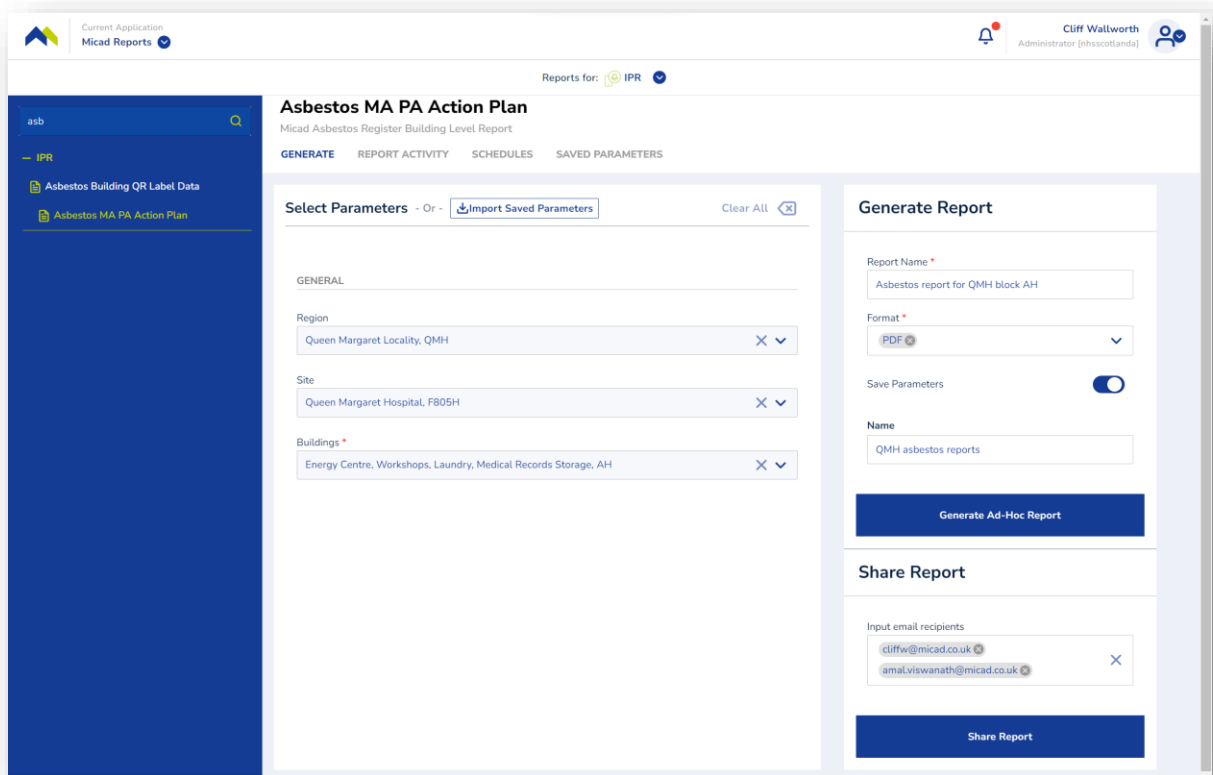
Use **Report Name** so that when the file is created it appears in the Report Activity list and each occurrence can be differentiated for the data it represented.

Name the **Save Parameters** appropriate to the location data the report file will use.

In the section Share Report:

Carefully add each valid emails address in the **Input email recipients** field. Press enter after each one and the system will capture each as you go forming a list. If you make a mistake, click the X to remove it.

The Ad Hoc feature, used to its full potential.



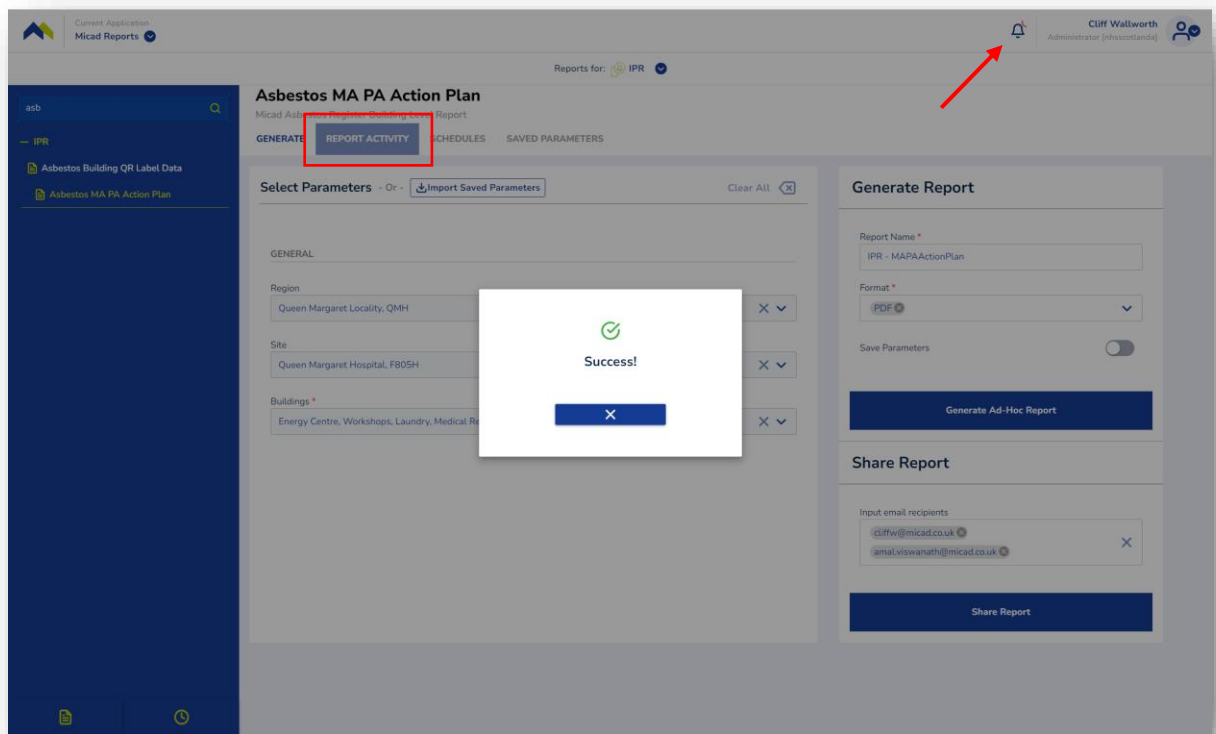
Example shows how the name parameters and email might be used

To execute the report and save it in a specific name and/or save its parameters. Click Generate Ad Hoc Report.

To execute the report and send copies in email to the named recipients, Click Share Report.

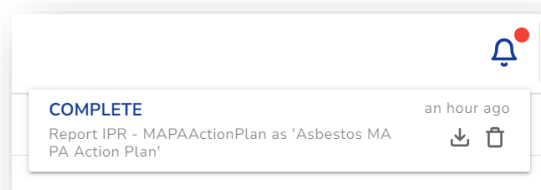
Report delivery

Soon after the report is executed, a confirmation will be visible on the Report Activity tab. If the report was sent by email, it will arrive shortly after.



Observe the Report Activity tab flashing briefly. The notification bell will show a red spinner

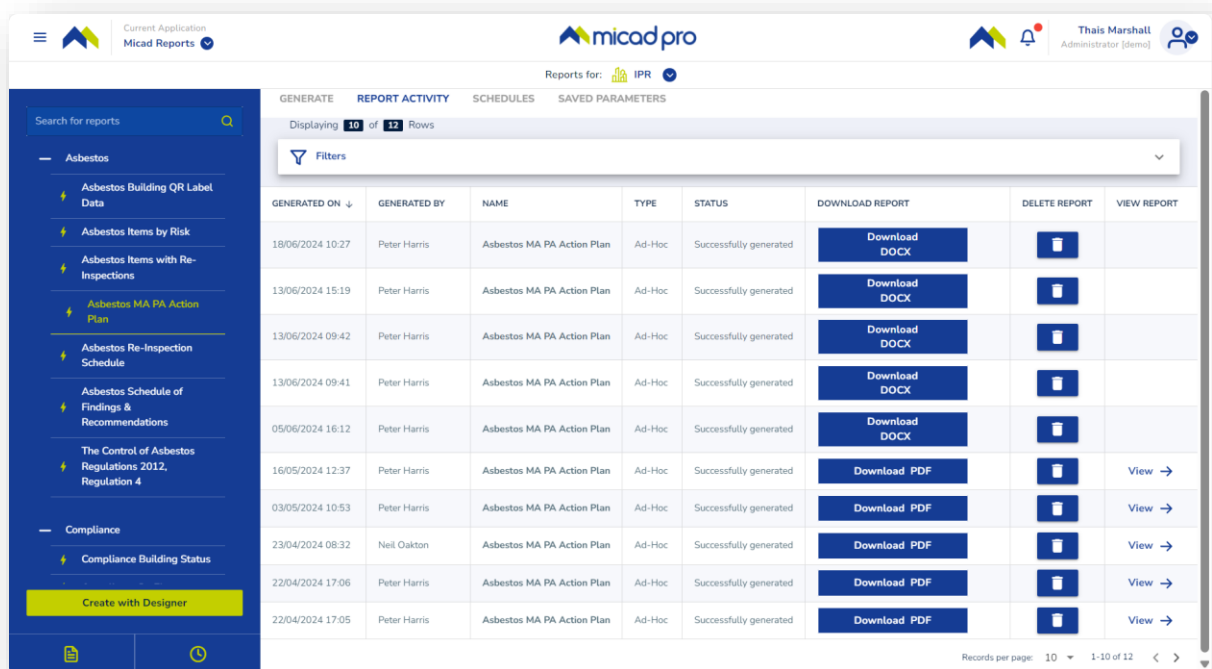
The report is now being generated in the background.



Once you see notification marked with a solid red icon, you can then click to download the report. Use this feature to develop or check your report is correct, this means you do not have to leave the screen where you are setting and naming your parameters. You can delete the report until the correct data is achieved.

Report Activity tab

Use the report activity tab to access all the reports that you have previously executed.



The screenshot shows the Micad Pro interface with the 'REPORT ACTIVITY' tab selected. The table displays a list of reports generated by Peter Harris, all titled 'Asbestos MA PA Action Plan'. The reports are sorted by 'GENERATED ON' date. Each row includes a 'GENERATED ON' timestamp, 'GENERATED BY' name, 'NAME', 'TYPE' (Ad-Hoc), 'STATUS' (Successfully generated), and action buttons for 'DOWNLOAD REPORT', 'DELETE REPORT', and 'VIEW REPORT'. The 'DOWNLOAD REPORT' buttons are either 'Download DOCX' or 'Download PDF'. The 'DELETE REPORT' buttons are represented by a trash icon. The 'VIEW REPORT' buttons are represented by a right-pointing arrow. The interface also shows a search bar, a filter dropdown, and a pagination bar at the bottom right indicating 'Records per page: 10' and '1-10 of 12'.

GENERATED ON ↓	GENERATED BY	NAME	TYPE	STATUS	DOWNLOAD REPORT	DELETE REPORT	VIEW REPORT
18/06/2024 10:27	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download DOCX		
13/06/2024 15:19	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download DOCX		
13/06/2024 09:42	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download DOCX		
13/06/2024 09:41	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download DOCX		
05/06/2024 16:12	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download DOCX		
16/05/2024 12:37	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF		View →
03/05/2024 10:53	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF		View →
23/04/2024 08:32	Neil Oakton	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF		View →
22/04/2024 17:06	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF		View →
22/04/2024 17:05	Peter Harris	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF		View →

A history of output files generated by Micad reports

You can navigate through the files, sort the table by columns, and download any historical report. Use the page breaks for easier viewing.

This page displays key information about each report, including the date it was generated, the user who generated it, the report title, type (ad hoc or scheduled), status (Successfully Generated, Queued, or Failed), as well as buttons for downloading, deleting, or viewing PDF reports directly on the page without needing to download them.

To download a report, click the **Download** button, which retrieves the stored version generated on the specified date. This copy reflects the data from the system at that time.

To delete a report, simply click the **Delete** icon to remove the stored copy.

Note: In this example, the selected report is an asbestos report titled *Asbestos MA PA Action Plan*. The Report Activity section only shows the history of running this specific report. To view the history of all reports you've executed, use the icon located at the bottom left of the menu, which will display all previously run reports.

View the report

Use the View button to quickly preview the report output if report was run as pdf. The visual format of the report varies between file technologies.

The screenshot shows a web application interface for viewing reports. The top navigation bar includes the application name 'Micad Reports', a user profile for 'Cliff Wallworth', and a notification bell. The main content area is titled 'Energy Centre, Workshops, Laundry, Medical Records Storage AH' and displays a report generated on 2023-07-20T17:05:54 by Cliff Wallworth. The report is presented in a PDF viewer format with navigation controls like 'Copy URL', 'Send Email', and 'Download PDF'. The report content includes a table of inspection data and a summary table.

Inspection Date:	8/2/2021		
Component:	Mastic - Sealant	Sample No.:	CB003688
Survey Type:	Management	Surveyor:	Craig Bates
Asbestos Type:	Chrysotile, Chrysotile		
Quantity of Material:	11m		

Material Assessment			
Material	1	Extent of Damage	0
Surface Treatment	0	Asbestos Type	1
MATERIAL ASSESSMENT TOTAL		2	D

Priority Assessment			
Main Type of Activity	0	Extent of Material	0
Maintenance Activity	0	Location	2
Accessibility	0	Number of Occupants	1
Frequency of Use	0	Average Time is in Use	0
Frequency of Maintenance Activity	0	Risk Assessment Total	1
PRIORITY ASSESSMENT TOTAL		3	Sound

Actions Arising	Due Date	Estimated Cost
	8/2/2021	

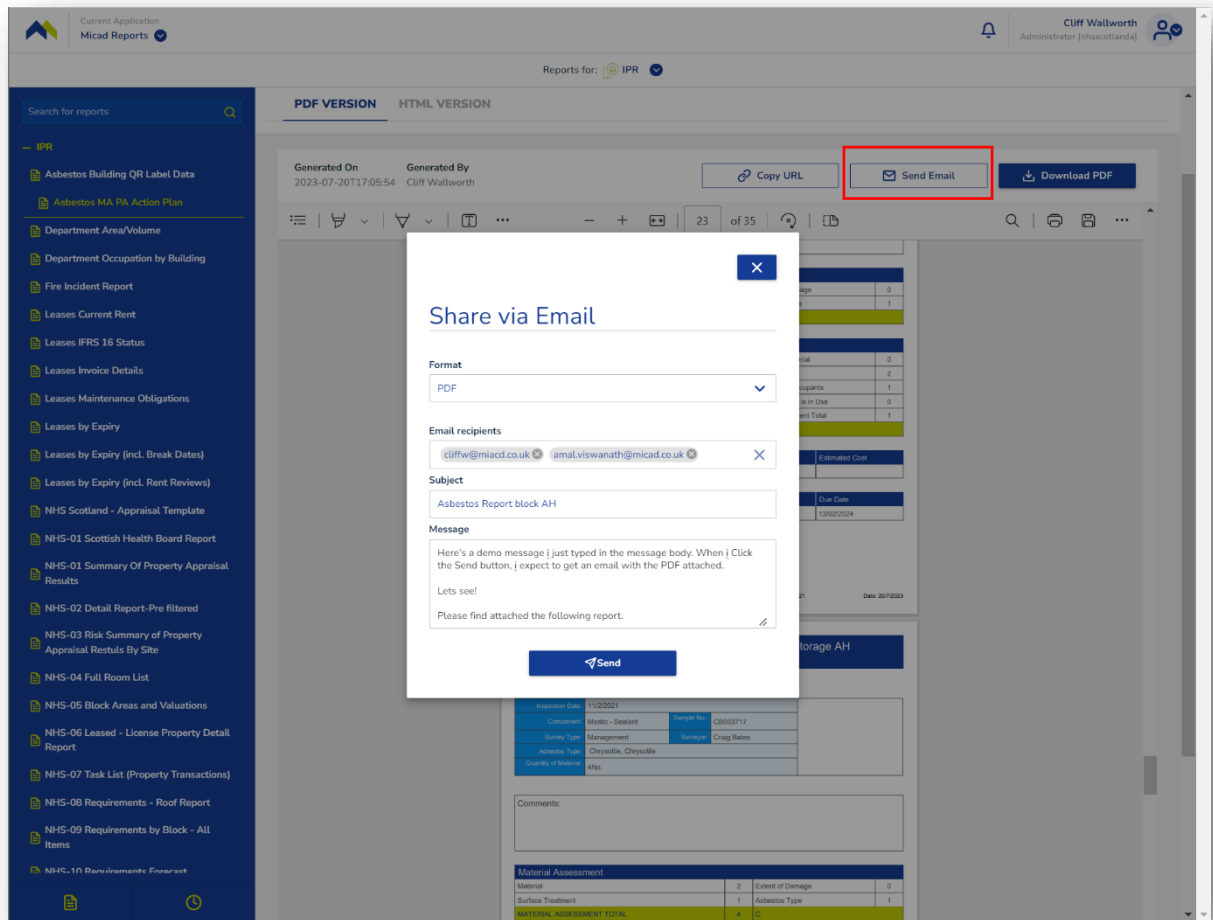
Re-Inspection Schedule	Status	Due Date
	Past The Due Date	08/02/2023

Example show a PDF and uses the embedded web browser's PDF technologies and feature to preview

Use the **Copy URL** button to share a direct link to the report data file (PDF in this example).

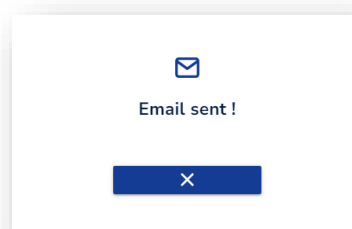
Use the **Download** button to take a copy of the report data file from the system.

Use the **Send Email** button to share a copy of the report data file from the system.



Share the report data file direct from the preview screen

Fill out the **Share via Email** fields, click **Send** when done.



An email will arrive in the inbox of recipients. Look for a sender no-reply@micadnotifications.co.uk

Note. You must make sure that the email address you type is valid. The system assumes that email addresses can be used from any domain, not necessarily valid system users. In the test above, there's a typo in a domain name, only one recipient received the email message. You will not be alerted of non-delivery.

Schedules tab

To add a recurring schedule to an existing report format, in the **Report Activity** tab, Click the **Schedules** tab.

The screenshot shows the 'Asbestos MA PA Action Plan' report activity tab. The 'SCHEDULES' tab is highlighted with a red box. The table below shows a list of generated reports.

GENERATED ON	GENERATED BY	NAME	TYPE	STATUS	DOWNLOAD REPORT	VIEW REPORT
20/07/2023 17:05	Cliff Wallworth	IPR - MAPAActionPlan	Ad-Hoc	Successfully generated	Download PDF	View →
20/07/2023 17:05	Cliff Wallworth	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF	View →
20/07/2023 16:55	Cliff Wallworth	Asbestos report for QMH block AH	Ad-Hoc	Successfully generated	Download PDF	View →
20/07/2023 16:49	Cliff Wallworth	Asbestos MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF	View →
20/07/2023 16:05	Cliff Wallworth	IPR - MAPAActionPlan	Ad-Hoc	Successfully generated	Download PDF	View →
20/07/2023 16:01	Cliff Wallworth	Asbestos report for QMH block AH	Ad-Hoc	Successfully generated	Download PDF	View →
20/07/2023 14:14	Cliff Wallworth	Asbestos MA PA block AH	Ad-Hoc	Successfully generated	Download PDF	View →
20/07/2023 14:00	Cliff Wallworth	QMH Energy Centre Asbestos	Ad-Hoc	Successfully generated	Download PDF	View →
12/07/2023 14:58	??	MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF	View →
12/07/2023 08:21	??	MA PA Action Plan	Ad-Hoc	Successfully generated	Download PDF	View →

The screenshot shows the 'Asbestos MA PA Action Plan' SCHEDULES tab. The 'Add Schedule' button is highlighted with a red box. The table below shows a list of scheduled reports.

NEXT RUN	SCHEDULE NAME	OWNER	FREQUENCY	RECIPIENT	LAST SUCCESSFUL RUN
No data available					

Click the Core Add Schedules button to start the schedule wizard process

Add schedule wizard

Fill out the 3 stages of the wizard.

The screenshot shows a software interface with a sidebar on the left containing a search bar and a list of reports under the 'IPR' category. The main window displays a wizard titled 'Add Schedule for: Asbestos MA PA Action Plan'. The wizard has three steps: 1. Schedule Settings, 2. Report Parameters, and 3. Output Settings. The first step is active and contains the following fields: 'Schedule Name' (with a 'Clear All' button), 'Schedule Description', 'Start Job On' (set to 2023-07-21T15:45:58), 'Time Zone' (dropdown menu), 'Recurrence' (radio buttons for Simple and Advanced, with Simple selected), 'Indefinitely' (checkbox), 'Frequency' (dropdown menu), and 'Frequency Unit' (dropdown menu). At the bottom, there are 'Cancel' and 'Next Step' buttons.

Fill out a **Schedule Name**

Schedule Description is optional but think of using consistent terminology

The specific date and time is need for the schedule, **Start Job On**

A **Time Zone** must be specified

You can choose to express your scheduler setting in **Simple** or by using **Advanced** options.

Schedule settings

Carefully fill out the settings. To exit the wizard click anywhere outside the popover window.

The screenshot shows a web application interface with a dark blue sidebar on the left containing a search bar and a list of report categories like 'Asbestos', 'Fire Incidents', and 'Leases'. The main content area is a white popover window titled 'Add Schedule for: Asbestos MA PA Action Plan'. The window has three tabs: 'Schedule Settings' (selected), 'Report Parameters', and 'Output Settings'. Below the tabs is a 'Clear All' button. The 'Schedule Settings' section contains the following fields:

- Schedule Name***: A text input field containing 'Asbestos weekly report for Block AH'.
- Schedule Description**: A text input field containing 'Asbestos Weekly - Mondays'.
- Start Job On***: A date and time picker showing '2023-07-23T16:00:00'.
- Time Zone***: A dropdown menu showing 'Greenwich Mean Time'.
- Recurrence***: Radio buttons for 'Simple' and 'Advanced', with 'Advanced' selected.
- Days**: A dropdown menu showing 'Mon'.
- Month Days**: A dropdown menu showing 'Select option'.
- Months**: A dropdown menu showing 'Select option'.
- Recur until**: A date and time picker showing '2024-07-31T16:45:58'.

At the bottom of the popover are two buttons: 'Cancel' and 'Next Step', with 'Next Step' highlighted in blue.

Click the **Next Step** button to continue.

Note. Make sure you don't inadvertently click outside the popover window by mistake, this aborts the wizard immediately and any input is lost.

Schedule parameters

Check or set the parameters. Parameter for this report are its property location, these will vary or there could be none depending on the specific report

The screenshot shows the 'Add Schedule for: Asbestos MA PA Action Plan' form. The 'Report Parameters' tab is active. Under the 'GENERAL' section, the following fields are filled:

- Region: Queen Margaret Locality, QMH
- Site: Queen Margaret Hospital, F805H
- Buildings: Energy Centre, Workshops, Laundry, Medical Records Storage, AH

At the bottom of the form, there are two buttons: 'Previous Step' and 'Next Step'. The 'Next Step' button is highlighted in blue.

Click **Next Step**

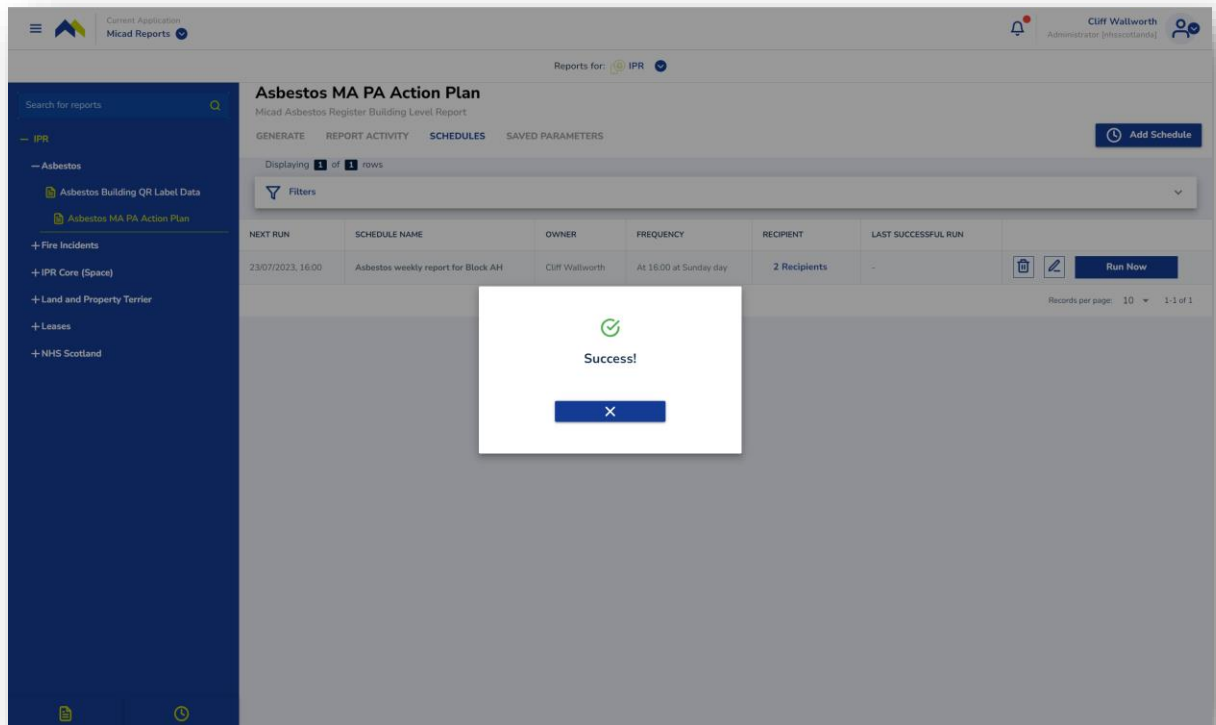
The screenshot shows the 'Add Schedule for: Asbestos MA PA Action Plan' form. The 'Output Settings' tab is active. The following fields are filled:

- Format: PDF
- Base Output File Name: Block AH
- Prefix output with UTC date/time:
- Output Description: Block AH Asbestos MA PA Action Plan report
- Input e-mail recipients: Email recipients: cliffw@micad.co.uk, amal.vijwanath@micad.co.uk
- Subject: Weekly QMH Block AH Asbestos MA PA Action Plan
- Message: Automatic report on schedule from Micad Asbestos Register module. Please see attached PDF.
- Skip Empty Reports:

At the bottom of the form, there are two buttons: 'Previous Step' and 'Save Schedule'. The 'Save Schedule' button is highlighted in blue.

Choose Format and fill out the email settings. Click the **Save Schedule** button

Success, the schedule was completed and saved.



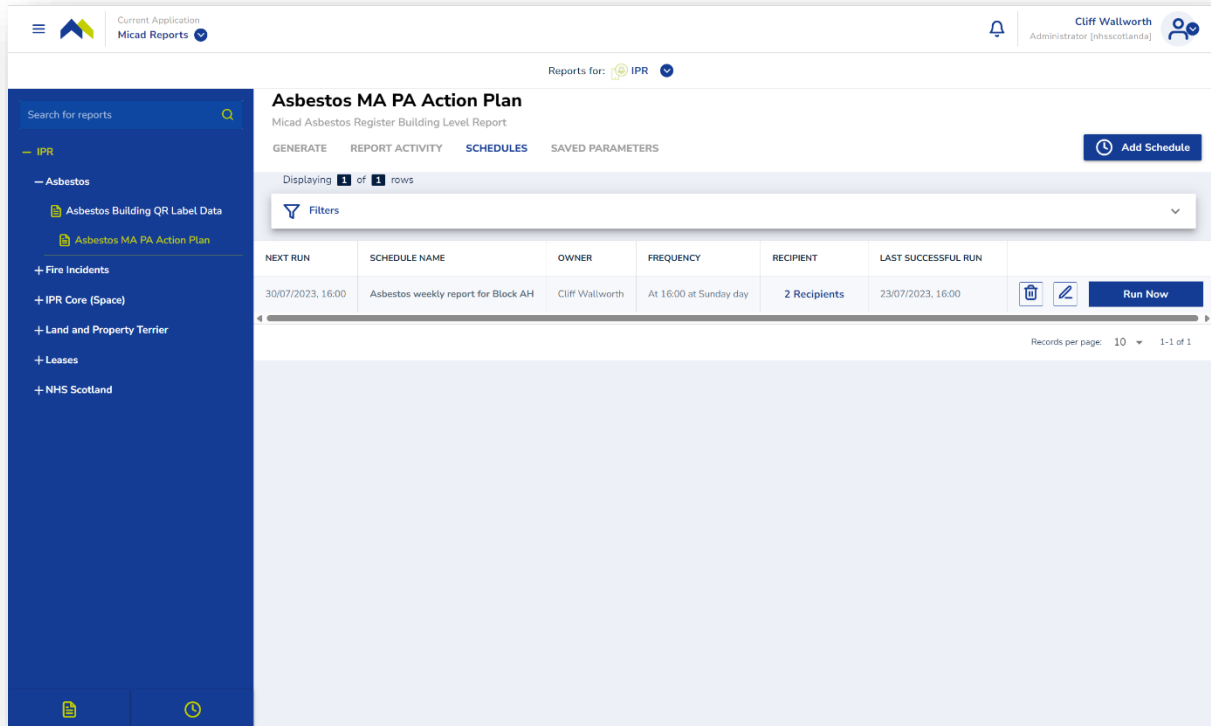
Example shows a schedule plan that will first execute on 23/07/2023

The schedule is now programmed to be delivered by email.



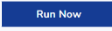
Schedules list

Use the **Schedules** list to review and edit your report schedule plans

Can also access the Schedules list direct via the **Clock icon** in the footer of the left menu.



The screenshot shows a web application interface for managing report schedules. The top navigation bar includes a search icon, the current application 'Micad Reports', a notification bell, and the user profile 'Cliff Wallworth Administrator [nhs.scotland]'. The main content area is titled 'Asbestos MA PA Action Plan' and 'Micad Asbestos Register Building Level Report'. It features tabs for 'GENERATE', 'REPORT ACTIVITY', 'SCHEDULES' (selected), and 'SAVED PARAMETERS'. An 'Add Schedule' button is visible in the top right. Below the tabs, it indicates 'Displaying 1 of 1 rows' and a 'Filters' dropdown. A table lists the schedule details:

NEXT RUN	SCHEDULE NAME	OWNER	FREQUENCY	RECIPIENT	LAST SUCCESSFUL RUN	
30/07/2023, 16:00	Asbestos weekly report for Block AH	Cliff Wallworth	At 16:00 at Sunday day	2 Recipients	23/07/2023, 16:00	  

At the bottom right of the table, it shows 'Records per page: 10' and '1-1 of 1'. The left sidebar contains a search bar and a menu with categories like 'IPR', 'Asbestos', 'Fire Incidents', 'IPR Core (Space)', 'Land and Property Terrier', 'Leases', and 'NHS Scotland'. A clock icon is located at the bottom of the sidebar.

Click on the **Edit** icon to change the schedule plan details.

Click on the **Delete** icon to remove a schedule

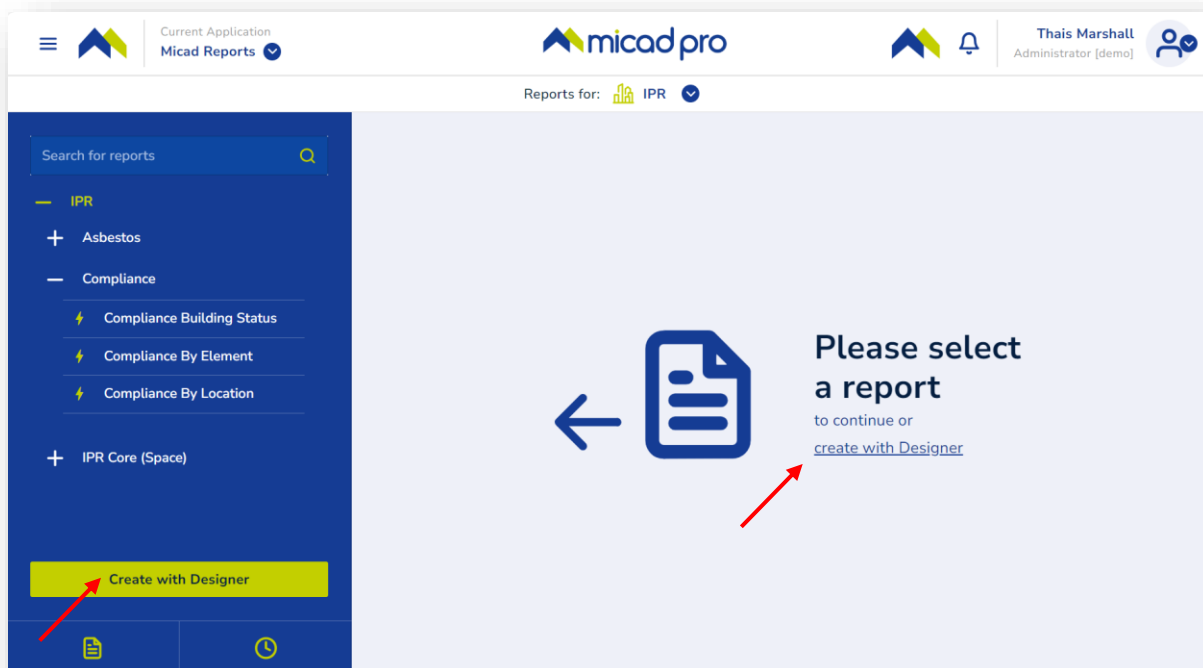
Click the **Run Now** button to test your schedule plan will deliver emails

Designer

'Designer'* is a powerful reporting tool which provides users the ability to create their own custom report by choosing fields and parameters within a topic of their choice. Users can also create custom fields with calculations of existing fields.

Limitation: custom reports are limited to 10,000 rows.

To create a custom report, select 'Create with Designer' button at the bottom of the left-hand side menu, or in the centre of the page.



You'll be prompted to follow a step-by-step guide to create your custom report.

This feature is only available to the following report user profile/roles: report **admin and **user**; report **viewer** can only see public 'Designer' reports created/shared by admins, they cannot create a custom report themselves.*

Create a custom report using 'Designer'

The screenshot shows the 'Create' step of a report designer interface. At the top, it says 'Reports for: IPR'. Below this is a progress bar with five steps: 1. Create (active), 2. Configure Data, 3. Order Data, 4. Configure Filters, and 5. Preview & Publish. The main content area has two options: 'Create New' (Start a new blank design) and 'Clone Existing' (Clone an existing design). Below these are input fields for 'Report Name' (Room area report), 'Report Description' (This report displays total room area for each building.), and a 'Topic' dropdown menu (Space Usage). At the bottom, there are three permission options: 'Private' (selected), 'Public', and 'Shared'. A 'Next Step' button is located at the bottom right.

In the first step, you can define details of your custom report such as if you'd like to start a new report or clone an existing custom report (also created via 'Designer'), report title, description, topic and permissions.

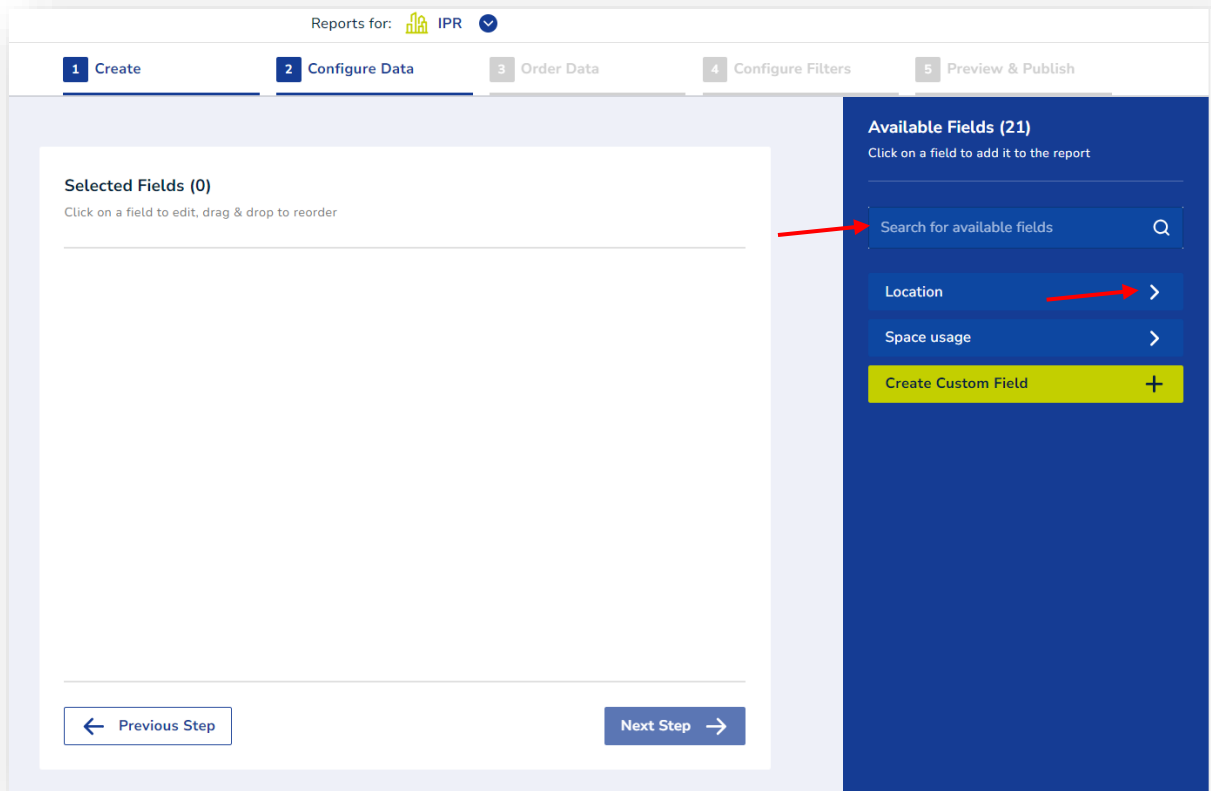
Permissions are as follows:

1. Private: only you can see the report, this option is available for report admin and user.
2. Public: everyone in your organisation can see this report, this option is available for report admin only.
3. Shared: only specific people can see this report, this feature enables a report user to share a custom report they created with an admin and request the admin to consider making their report public.

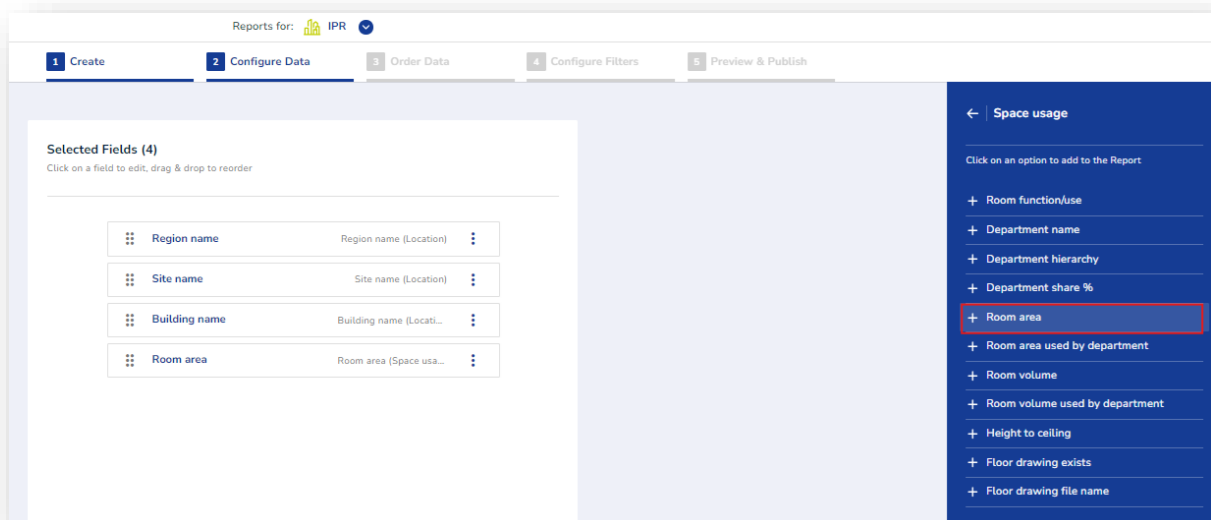
Once you have defined the title, topic and permission of your Designer report, select '**Next step**' button.

Configure data

In this step, you can choose the **columns** you want to see in your report. All **columns** available are shown on the right-hand side menu, you can choose the columns by expanding the folders or using the search bar.



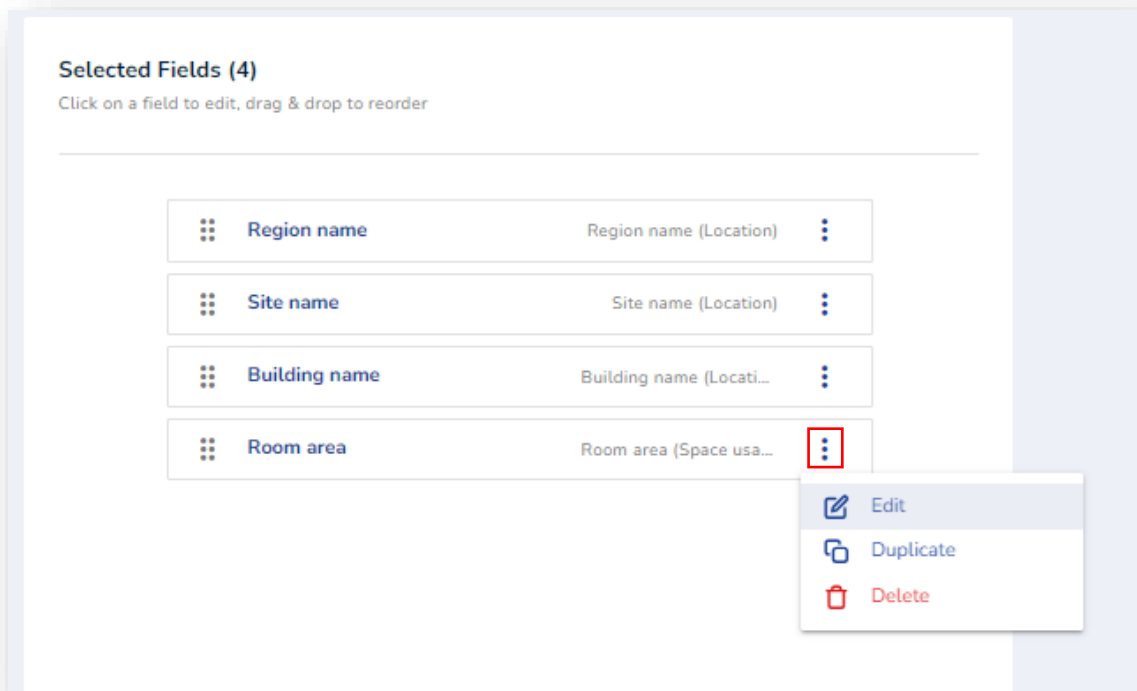
Once you found the column that you want, add it to your report by clicking on it. You'll see all the selected fields at the centre of the page. At this stage, you can change the order of the columns by dragging and dropping the selected fields.



Editing a field

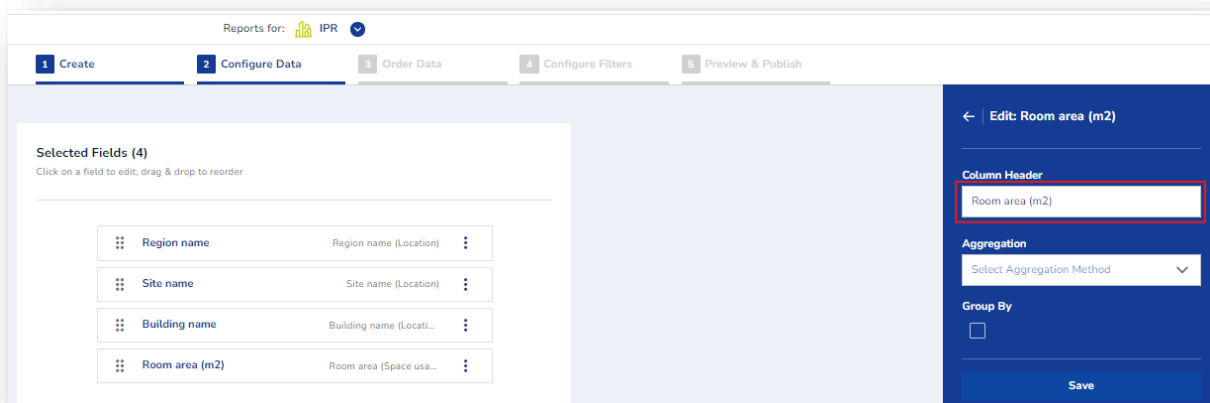
The three dots next to the column names contains configuration options such as **Edit**, **Duplicate** and **Delete**.

To change the name of the column, click on the **three dots** next to the desired field and select **'Edit'**.



This will take you to the right-hand side menu, where you can edit the **column header**.

Once you are happy with the column name, click **Save** and the column name will update in the selected fields section.



Aggregating a field

While editing the field, you can also apply an aggregation to it depending on the type of the field. The rules are as follows:

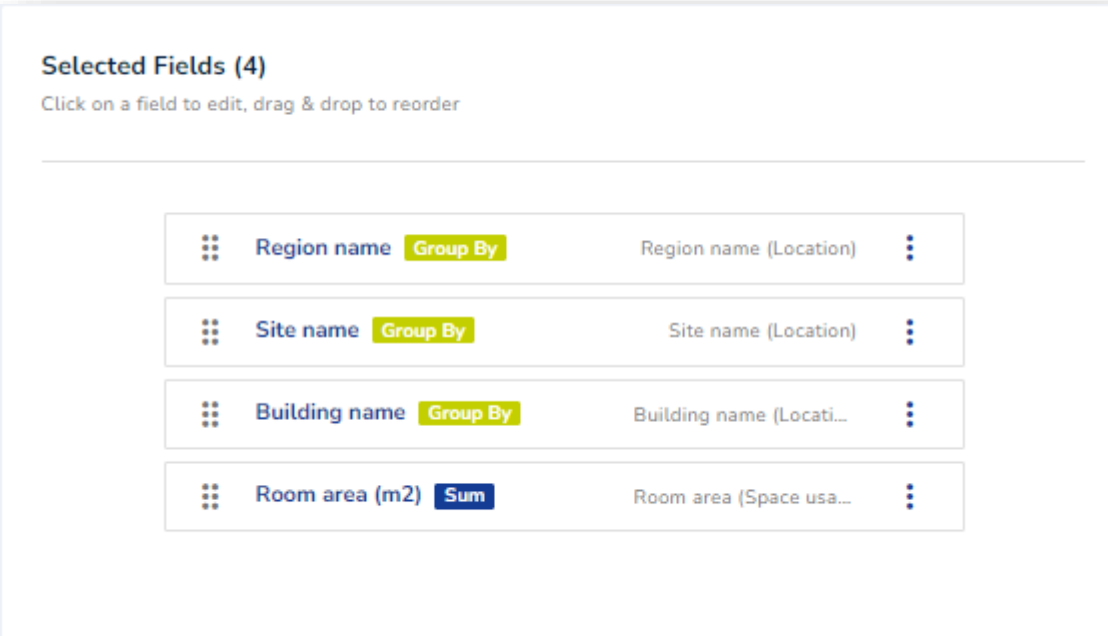
Aggregation types available for **number** type fields:

- Count
- Count distinct
- Average
- Minimum
- Maximum
- Sum

For **text** and **date** fields:

- Count
- Count distinct
- Minimum
- Maximum

When applying an aggregation to a field, all the other fields will automatically be **grouped**. This is shown by the **Group by** tag.

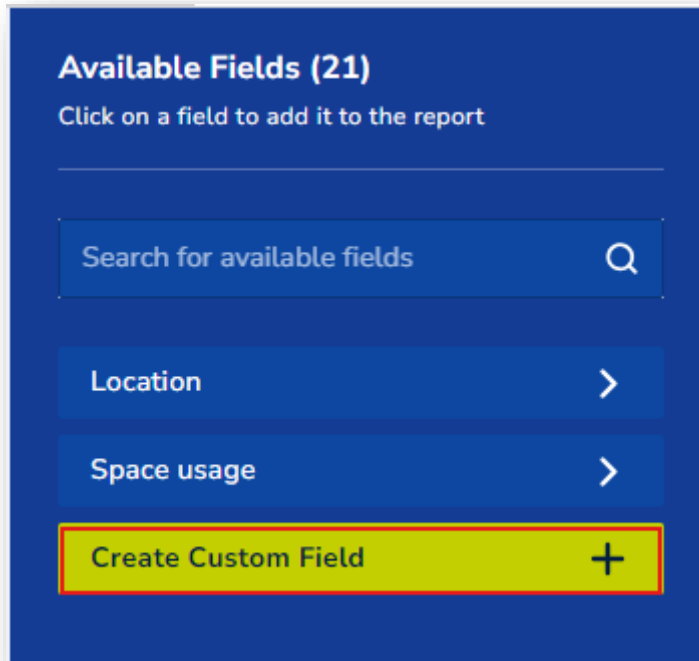


The screenshot shows a panel titled "Selected Fields (4)" with the instruction "Click on a field to edit, drag & drop to reorder". Below this, there are four field entries, each with a grid icon on the left and a vertical ellipsis on the right. The first three fields are "Region name", "Site name", and "Building name", each with a yellow "Group By" tag. The fourth field is "Room area (m2)" with a blue "Sum" tag. The original field names are shown in a lighter font to the right of each tag.

Field Name	Aggregation	Original Field Name
Region name	Group By	Region name (Location)
Site name	Group By	Site name (Location)
Building name	Group By	Building name (Locati...)
Room area (m2)	Sum	Room area (Space usa...)

Creating a custom field

On the right-hand side menu, you can opt to create a custom field by clicking 'Create custom field'. This will bring a popover window up.



On the popover window, **add** the **field name** and the **formula**, then click **Save**.

Note. Make sure you don't inadvertently click outside the popover window by mistake, this aborts the wizard immediately and any input is lost.

Formulas can be:

Static text



Note: use quotation marks when adding text to the custom field.

Calculation

Use numbers or pre-existing fields. Operations available are **addition** (+), **subtraction** (-) , **multiplication** (*) and **division** (/).

Create Custom Field

Field Name

Formula

[Close](#) [Save](#)

Formula

There is a set of pre-defined formulas, they will come up as you start typing. In this example, we'll use *CONCAT()* to display two fields in the same column, separated by a comma.

Create Custom Field

Field Name

Formula

- Building name
- Building code

Create Custom Field

Field Name

Formula

Close

Note: The formula used in this example: *CONCAT([Building name],"", "[Building code])*

If there are any typos or the data type used in the formula is not correct, a message error will come up and you won't be able to save the custom field until the issue is fixed.

Create Custom Field

Field Name

Formula

AVERAGE expects a integer, float rather than a string

Close

Create Custom Field

Field Name

Formula

Invalid syntax

Close Save

The available formulas are:

For data type **number**:

ABS: Returns the absolute value of a number, example: `'ABS(-5)' = 5`

FLOOR: Rounds a number down to the nearest whole number, example: `'FLOOR(10.4)' = 10`

ROUND: Rounds a number to the nearest given number of decimal places or to the nearest whole number if a precision is not specified, example: `'ROUND(4.63, 1)' = 4.6`

CEILING: Rounds a number up to the nearest whole number, example: `'CEILING(54.1)' = 55`

MIN: Returns the minimum value in a set, example: `'MIN([Temperature], 20)'`

MAX: Returns the largest value in a set, example: `'MAX([Number of floors], 2)'`

AVERAGE: Returns the average of a set, example: `'AVERAGE(3.9, 5.47)' = 4.685`

POWER: Raises a base by an exponent, example: `'POWER(3, 2)' = 9`

Date: (example `[Scheduled Date] = 31/01/2024`)

YEAR: Returns the year component of a date, example: `'YEAR([Scheduled Date])' = 2024`

MONTH: Returns the month component of a date, example: `'MONTH([Scheduled Date])' = 1`

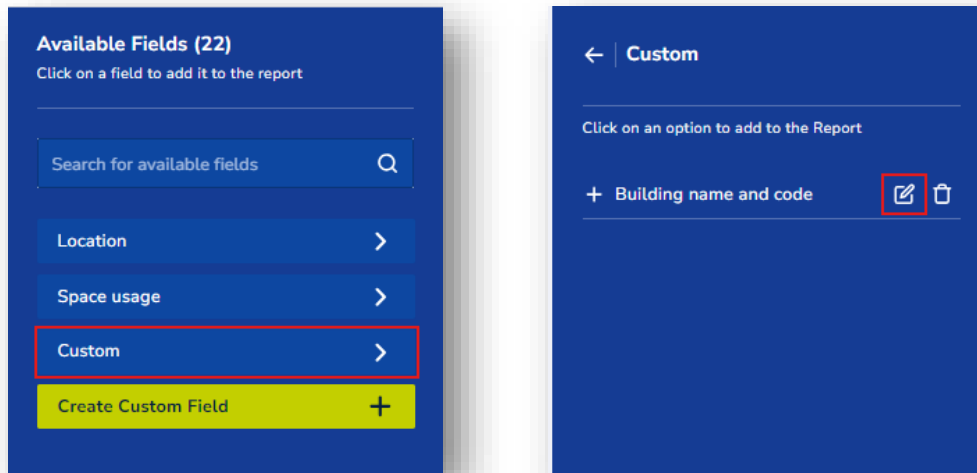
DAY: Returns the day component of a date, example: `'DAY([Scheduled Date])' = 31`

Text

CONCAT: Joins multiple values together into a single string, example: `'CONCAT("Hello ", [Username])'`

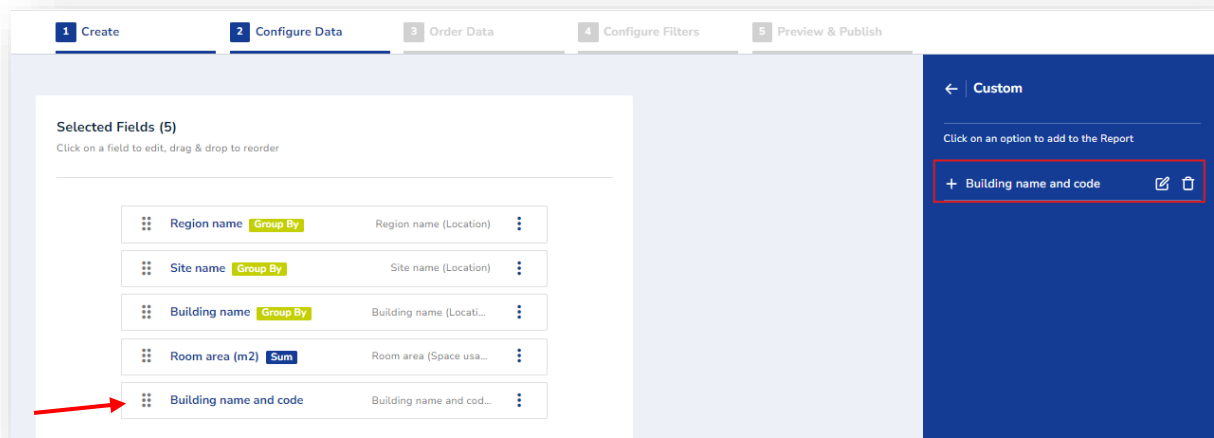
Editing a custom field

To edit your custom field, select the **Custom** folder on the right-hand side menu and click on the **Edit** button, this will bring up the popover window. Edit your field and click **Save**.



Using a custom field

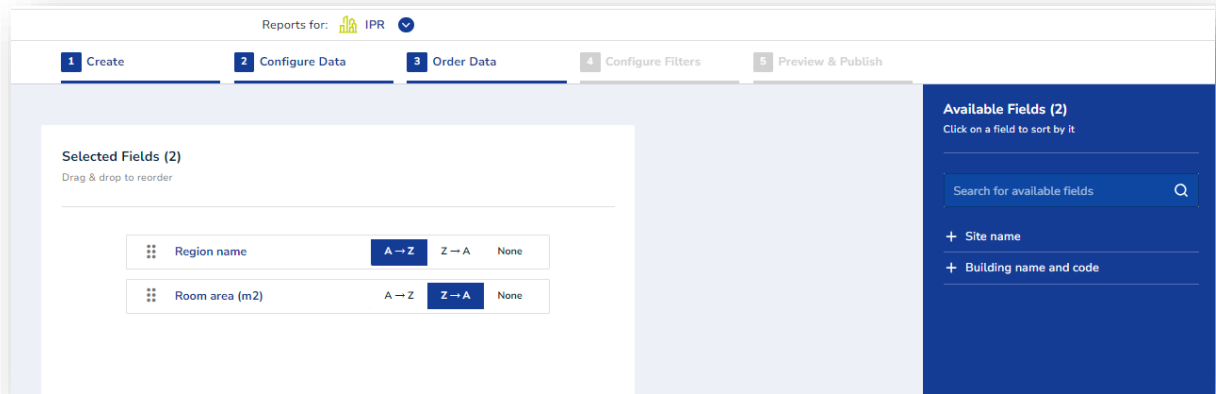
Add your custom field to your report by clicking on it on the right-hand side menu.



Rearrange fields if necessary and click **Next step**.

Order data

Select the fields on the right-hand side menu and the **order** they should follow in the report. Then click **Next step**.

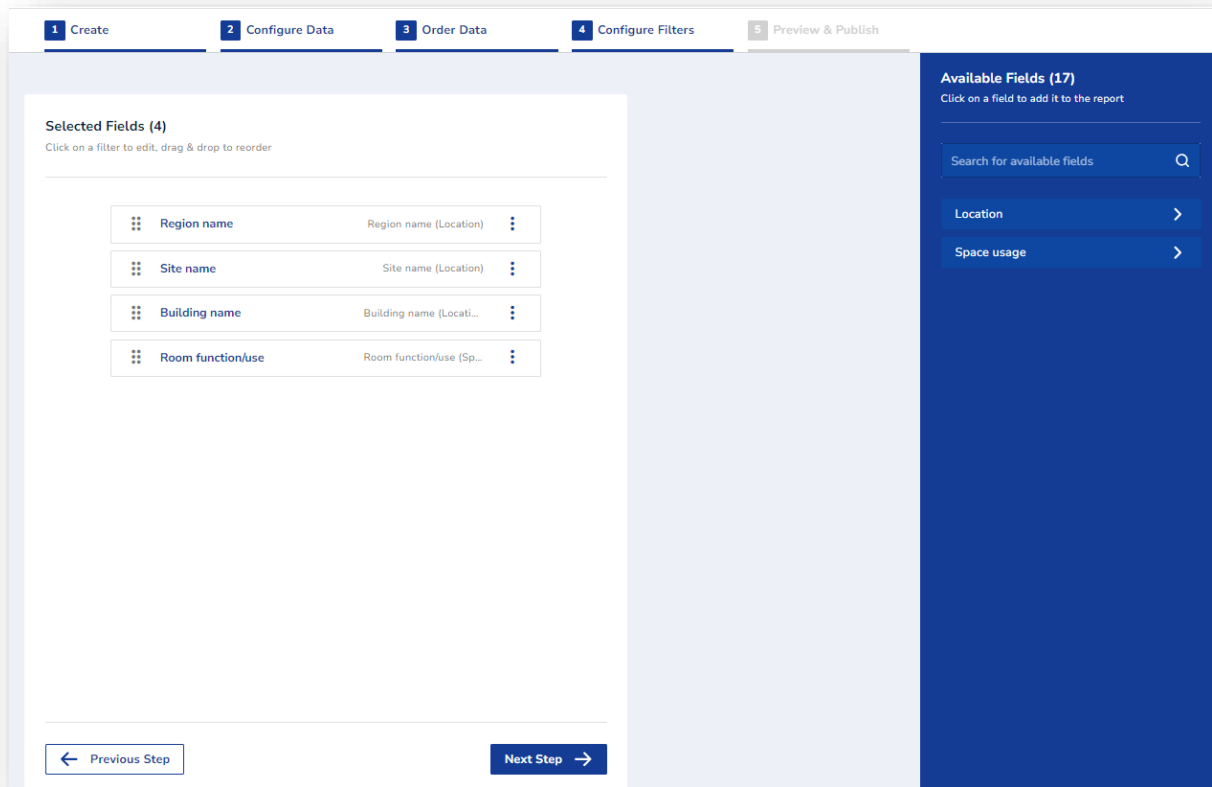


Configure filters

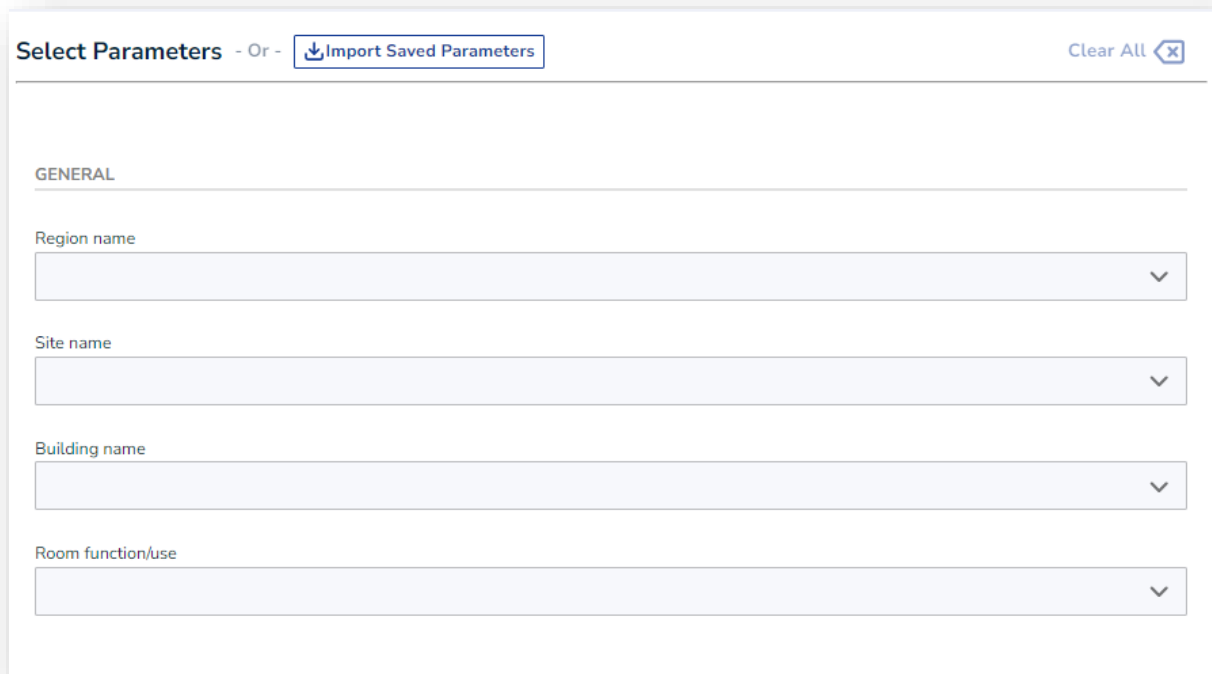
In this step you can select fields that will be the parameters of your custom report. These can be filled when running the report later on.

Select the fields from the menu on the right-hand side, then arrange them in your desired order on the report page by dragging and dropping the selected fields.

Once done, click **Next Step**.



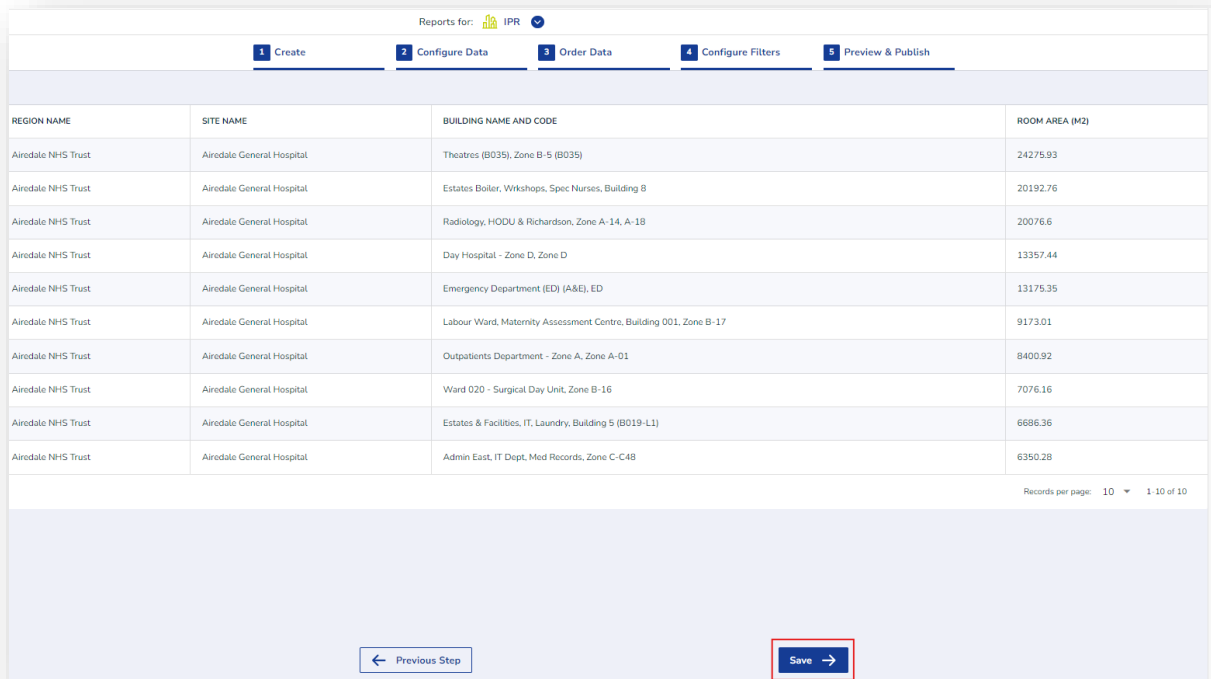
This is what these parameters will look like on the report page:




Preview & publish

In this final step of creating your custom report, you'll see a preview of the report. If any changes are needed, you can click **Previous Step** to go back and adjust the report configuration.

Once you're satisfied with the preview, click **Save** to finalize the report.



Reports for:  IPR

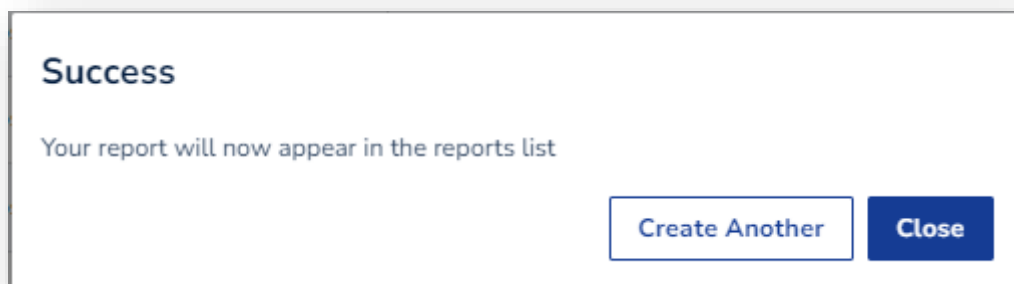
1 Create 2 Configure Data 3 Order Data 4 Configure Filters 5 Preview & Publish

REGION NAME	SITE NAME	BUILDING NAME AND CODE	ROOM AREA (M2)
Airedale NHS Trust	Airedale General Hospital	Theatres (B035), Zone B-5 (B035)	24275.93
Airedale NHS Trust	Airedale General Hospital	Estates Boiler, Wkshops, Spec Nurses, Building 8	20192.76
Airedale NHS Trust	Airedale General Hospital	Radiology, HODU & Richardson, Zone A-14, A-18	20076.6
Airedale NHS Trust	Airedale General Hospital	Day Hospital - Zone D, Zone D	13357.44
Airedale NHS Trust	Airedale General Hospital	Emergency Department (ED) (A&E), ED	13175.35
Airedale NHS Trust	Airedale General Hospital	Labour Ward, Maternity Assessment Centre, Building 001, Zone B-17	9173.01
Airedale NHS Trust	Airedale General Hospital	Outpatients Department - Zone A, Zone A-01	8400.92
Airedale NHS Trust	Airedale General Hospital	Ward 020 - Surgical Day Unit, Zone B-16	7076.16
Airedale NHS Trust	Airedale General Hospital	Estates & Facilities, IT, Laundry, Building 5 (B019-L1)	6686.36
Airedale NHS Trust	Airedale General Hospital	Admin East, IT Dept, Med Records, Zone C-C48	6350.28

Records per page: 10 1-10 of 10

[← Previous Step](#) [Save →](#)

A success message will appear, allowing you to either close the Designer wizard or proceed to create another report.



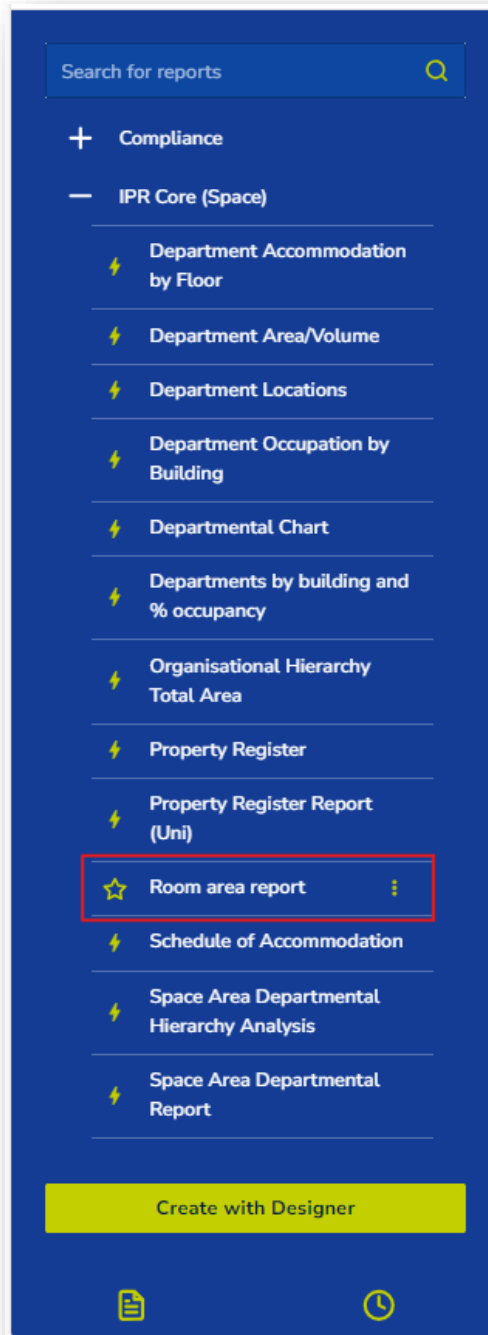
Success

Your report will now appear in the reports list

[Create Another](#) [Close](#)

Generate your Designer report

The custom report you created will appear in the report tree on the left-hand side menu, under the topic you selected. Custom reports are marked with a star icon for easy identification.



This custom report can now be run on demand or scheduled like any other report.

Reports for: IPR

Room area report

This report is limited to 10,000 rows
This report displays total room area for each building.

GENERATE REPORT ACTIVITY SCHEDULES SAVED PARAMETERS

Select Parameters - Or - [Import Saved Parameters](#) [Clear All](#)

GENERAL

Region name

Site name

Building name

Room function/use

Report Name *

Room area report

Format *

PDF

Save Parameters

Generate Ad Hoc Report

Share Report

Add email recipients

Share Report

Available topics on the 'Designer'

These are the topics currently available on the 'Designer':

- Asbestos
 - Asbestos Location Status
 - Asbestos Survey Item Status
 - Asbestos Current Inspection
 - Asbestos Events
 - Asbestos Remedial Actions
- Leases
- Terrier
- Compliance
- IPR Core
 - Documents
 - Space Usage
- Fire Incidents
 - Incidents
 - Action Points
- Fire Risk Assessment
 - Open Action Points

Release notes

Date	Version	Summary	Description
15/04/2026	API 1.0.28515	This release delivers bug fixes for IPR reports.	<ul style="list-style-type: none"> • Bug Fixes REP2-538 Compliance Building Status: fix expiry date REP2-426 Compliance Building Status: fix report logic REP2-528 Leases and Licenses Report Failure for certain clients
30/03/2026	API 1.0.28424	This release delivers custom report update and fixes across IPR compliance reports status logic.	<ul style="list-style-type: none"> • Update REP2-518 Modify FM Compliance Report • Bug Fixes REP2-415 Compliance by Location: fix compliance status logic REP2-414 & REP2-392 Compliance by Element: fix compliance status logic REP2-413 & REP2-512 Compliance: fix compliance status logic
17/03/2026	API 1.0.28362	This release delivers custom report update and migrated IPR Cost report.	<ul style="list-style-type: none"> • New Reports REP2-382 Migrate IPR report: Cost • Update REP2-418 Client-specific FM Compliance: applying client feedback
17/02/2026	API 1.0.28169	This release delivers migrated IPR reports and bug fixes.	<ul style="list-style-type: none"> • New Reports REP2-332 Migrated IPR report: Leases Invoice Details REP2-331 Migrated IPR report: Leases IFRS16 Status REP2-330 Migrated IPR report: Leases Current Rent REP2-329 Migrated IPR report: Leases By Expiry incl. Rent Reviews REP2-328 Migrated IPR report: Leases By Expiry incl. Break Dates REP2-327 Migrated IPR report: Leases by Expiry <p>Correction (03/03/2026): The following bug fixes were also applied in this release:</p> <ul style="list-style-type: none"> REP2-376 FM Compliance: Outstanding Repairs tab includes completed task - bug fix REP2-374 User Profiles & Roles displays no data - bug fix

03/02/2026	API 1.0.28107	This release delivers multiple custom report enhancements, Compliance report update, migrated IPR reports, and bug fixes to improve accuracy, usability, and reliability across reporting.	<ul style="list-style-type: none"> • Enhancements & Updates REP2-370 PPM Compliance feedback (CHOICE): Implemented feedback to improve clarity and alignment of the PPM Compliance report with CHOICE requirements. REP2-369 Request Analysis Summary (CHOICE): Updated the Request Analysis Summary report following CHOICE feedback to improve data presentation and usability. REP2-368 Request Analysis Detail feedback (CHOICE): Applied requested changes to the Request Analysis Detail report to ensure consistency with CHOICE expectations. REP2-324 FM Compliance Report logic update (CHOICE) Updated FM Compliance report logic in line with CHOICE feedback. REP2-304 FM Compliance feedback (CHOICE): Incorporated additional CHOICE feedback to improve FM Compliance reporting accuracy and consistency. REP2-346 Updated Compliance by Selected Location report: Added multi-select Element parameter and changed report title to 'Compliance' . AXO11709 Migrated IPR Cost report: Total Areas & Costs by Department AXO11710 Migrated IPR report: Costs Breakdown by Department REP2-325 Migrated IPR report: Leases Maintenance Obligations. <ul style="list-style-type: none"> • Bug fixes: REP2-345 MiBooker - Update to MPFT Audit Report: Removed rooms with workspaces from the MPFT Audit Report to better reflect MiBooker requirements. REP2-267 User Profiles & Roles Report: Fixed an issue where the User Profile parameter dropdown was displayed as empty.
20/01/2026	API 1.0.28010	New custom, client-specific reports and bug fixes.	<ul style="list-style-type: none"> • Bug fixes: REP2-344: Request Analysis Detail (CHOICE): Report fails when 'ALL' option selected in multi-select filters. REP2-41: Departments by building and percentage occupancy report failed

			<ul style="list-style-type: none"> • New custom report: REP2-307: NEW: Request Analysis Summary (CHOICE) REP2-306: Request Analysis Detail feedback (CHOICE) REP2-305: PPM Compliance feedback (CHOICE)
06/01/2026	APP 1.0.27859 API 1.0.27940	Accessibility improvement and client-specific report feedback.	<ul style="list-style-type: none"> • Custom report feedback: REP2-306 Request Analysis Detail feedback (CHOICE) REP2-301 PPM Compliance (CHOICE) • Improvement: REP2-238 Accessibility issues - On Dialog window open - background contrast ratio thresholds of buttons
09/12/2025	APP 1.0.27855	Accessibility improvement and bug fixes.	<ul style="list-style-type: none"> • Bug fix: REP-293 Fix ability to remove individual values from multi-select parameters REP-183 Display message when multi-select parameters reach 2100 limit • Improvement: REP-114 Reports accessibility
28/11/2025	API 1.0.27845	FM: New custom, client-specific report.	<ul style="list-style-type: none"> • New report: REP-260 New custom report: Request Analysis (CHOICE).
25/11/2025	API 1.0.27802	FM: New custom, client-specific report. Micad Audit: Four reports migrated from legacy reports. IPR: Report improvement.	<ul style="list-style-type: none"> • Bug fix: REP-258 Security: Users by Module report returns no data. Included inherited profile permissions. • New reports: REP-212 New custom report: FM Compliance Report (CHOICE). 12962 Audit reports: Cancelled Audits report 13002 Audit reports: Element failure rate report 13003 Audit reports: Functional area averages report 13001 Audit reports: Room/Risk count • Report improvement: REP-29 Asbestos Pick List report: Added Floor, Room, Survey Item and Risk multi-select parameters to Asbestos MA PA Action Plan report.
11/11/2025	API 1.0.27703	IPR: Department Occupation by Block bug fix	<ul style="list-style-type: none"> • Bug fix: REP-252 Department occupancy report not calculating percentages correctly

03/11/2025	API 1.0.27695	IPR: New Compliance report. FM: New custom client specific report.	<ul style="list-style-type: none"> • Bug Fixes: REP-204 Fix multi-select parameter handling • New Reports: REP-232 New IPR report: Compliance by selected location REP-181 New custom report for Choice Facilities Service: PPM Compliance
28/10/2025	API 1.0.27646	Appraisal: DoH Risk based Backlog Appendix 5 Report bug fix.	<ul style="list-style-type: none"> • Bug Fixes: REP-254 DoH Risk based Backlog Appendix 5 Report not calculating areas correctly
15/10/2025	API 1.0.27485	MiBooker report bug fix.	<ul style="list-style-type: none"> • Bug Fixes: REP-229 MiBooker Audit Booking Report - incorrect booking time bug fix
07/10/2025	API 1.0.27410	MiBooker report bug fix, IPR report update.	<ul style="list-style-type: none"> • Bug Fixes: REP-222 MiBooker Audit Booking Report – incorrect room displays bug fix • Report Improvements: REP-199 MiBooker Audit Booking Report – add booking description REP-43 IPR Compliance by Element Report – add element parameter
30/09/2025	API 1.0.27288	FM report update and reporting service feature.	<ul style="list-style-type: none"> • Report Improvements: REP-141 PPM Remedial Report now requires ‘Released from/to date’ parameters. REP-137 Default date parameter values now persist correctly in the Report UI.
16/09/2025	API 1.0.27155	IPR reports updates and bug fixes.	<ul style="list-style-type: none"> • New Reports & Updates: REP-172 IPR Compliance Buildings Status Report has been updated to display expired document from the expiry date (inclusive). REP-2 IPR report migrated: Terrier Site Build Addresses Status. • Bug Fixes: REP-169 IPR: Fixed a collation conflict in the “Organisational Hierarchy Total Area” report. REP-68 IPR: Corrected the logic used in the “Compliance by Buildings” report. REP-67 IPR: Corrected the logic used in the “Compliance by Elements” report.

02/09/2025	APP 1.0.26918 API 1.0.27059	MiBooker, IPR, Portals reports updates, reporting service feature.	<p>REP-168 MiBooker Audit Booking Report: Booking No parameter has been updated to improve overall performance.</p> <p>REP-162 IPR Compliance Building Status Report: Corrected an issue with expiry dates not displaying as expected.</p> <p>REP-155 Subgroup Reporting: Reports UI displays the number of reports available within each subgroup.</p> <p>REP-82 Portals QR URL Labels Report: Fixed incorrect values previously shown in columns 'Room Name', 'Room Code', 'Floor & Room Code' in AsbestosRegisterPrinterQRLabels tab.</p> <p>REP-66 IPR NIA GIA Report: Restored missing hyperlinks for easier navigation.</p>
19/08/2025	API 1.0.26831	Designer bug fix.	REP-16 Bug: Date fields causing type conversion error in Designer reports
29/07/2025	API 1.0.26714	MiBooker reports bug fixes.	<p>REP-142 MiBooker Audit Booking Report: Include audits without a client specified</p> <p>REP-106 MiBooker Room Booking Report: Correct display of recurring booking dates</p>
24/07/2025	API 1.0.26625	MiBooker, IPR reports updates.	<p>REP-132 Hide PPM Remedial report</p> <p>REP-115 MiBooker Audit booking report: Display only latest audit</p> <p>REP-110 IPR new report: Asbestos Re-Inspections Checklist</p> <p>REP-105 IPR new report: Terrier site details</p>
14/07/2025	APP 1.0.26500 API 1.0.26507	MiBooker reports bug fixes, Designer updates and reporting service maintenance.	<p>REP-104 MiBooker bug fix: date range parameters include data beyond selected end date</p> <p>REP-97 MiBooker bug fix: Site and building fields are duplicated in Audit Booking Report</p> <p>REP-91 MiBooker bug fix: Audit Booking Report includes cancelled bookings</p> <p>REP-79 UI Cleanup: Standardise capitalisation across Reports application</p> <p>REP-34 Ensure all reports use parent: true for Location parameter in YAML file</p> <p>REP-19 Designer bug fix: Designer report saved parameters not being imported</p> <p>REP-18 Designer: update Terrier-topic business rates charge</p>

12/06/2025	API 1.0.26091	MiBooker and IPR reports updates.	<p>REP-20 MiBooker Audit Booking report: Add additional 'Building Name' and 'Building Code' columns</p> <p>REP-51 Bug fix: correct join on userDepartment table in MiBooker reports</p> <p>15276 Add IPR - NIA GIA report to pro</p>
14/05/2025	APP 1.0.25423 API 1.0.25482	SFM, Portals, IPR, MiBooker reports updates, reporting service features and bug fixes.	<p>13019 Designer: Report description disappears when editing existing report bug fix</p> <p>13391 Differentiate appraisal module SAMS/PRO</p> <p>13396 Modify SFM reports for csv format</p> <p>13567 New SFM Report - Pie Chart Total Tasks per Resource Group</p> <p>13604 Report parameter 'Clear all' function bug fix</p> <p>13797 Report Designer [micadsams.net] Radio button for permission doesn't work</p> <p>13830 Asbestos register printer QR labels</p> <p>13850 SFM reports update micadpro</p> <p>13870 Remove html format from scheduled report emails</p> <p>13891 Update SFM - Location/Activity Analysis report for MicadPro</p> <p>13892 Update SFM - Location Activity Analysis report for MicadPro</p> <p>13893 Update SFM - Request History report for MicadPro</p> <p>13894 Update SFM - Resource Delays report for MicadPro</p> <p>13895 Update SFM - Resource Traceability report for MicadPro</p> <p>13896 Update SFM - Summary Analysis report for MicadPro</p> <p>13897 Update SFM - Task Data report for MicadPro</p> <p>13898 Update SFM - Task Per Resource Group report for MicadPro</p> <p>13935 Update reports release notes link</p> <p>14051 Deal with out of memory errors</p> <p>14053 Designer: sort folder and fields alphabetically</p> <p>14105 DoH Risk based Backlog Appendix 5 Report cosmetic change</p> <p>14109 Multi-select parameter refactor</p> <p>14758 Micadpro: User Activity bug fix</p> <p>14852 NHSS Multi-select parameter bug fix</p> <p>14959 RUM reports - remove database references</p>

			<p>14986 RUM reports - SQL terminated (departmentPath)</p> <p>14987 RUM Audit Booking Report - update Client parameter list</p> <p>15065 Cancelled audit report feedback: remove Responsibility group parameter</p> <p>15163 Reports Micadpro: Room Booking report date bug</p> <p>15222 RUM Audit Booking Report - improve performance</p> <p>15408 Rename Application "Room Utilisation" to "MiBooker" Across UI and Configuration</p>
20/01/2025	APP 1.0.23652 API 1.0.23695	FM, Portals, Security, IPR reports update and reporting service features.	<p>13693 Improvement to "Asbestos register printer QR labels"</p> <p>13507 Users by module (new users report)</p> <p>11596 PPM Remedials Report (new FM Report)</p> <p>13512 Index values shown in dropdowns (bugfix)</p> <p>13013 DoH Risk based Backlog Appendix 5 Report (new report)</p> <p>13511 Add validation for selected date</p> <p>13504 Multi-select parameters 'All', 'None' options</p>
04/10/2024	API 1.0.22918	FM, SFM reports update and reporting service features.	<p>12774 FM report: Resource Timesheet Enhanced feedback</p> <p>13373 SFM report: Add 'Custom Form Output' report to micadpro</p> <p>13418 Terrier 'Designer' topic bug fix</p> <p>13392 Use default parameter value provided in yml</p> <p>12257 Make CSV An Option for Export (non-default)</p>

END