

SKF®

SKF Enlight Centre

Training Overview

Presented to: Name/s

Presented by: Name of presenter

13 November 2018

Overview

DATA ACQUISITION



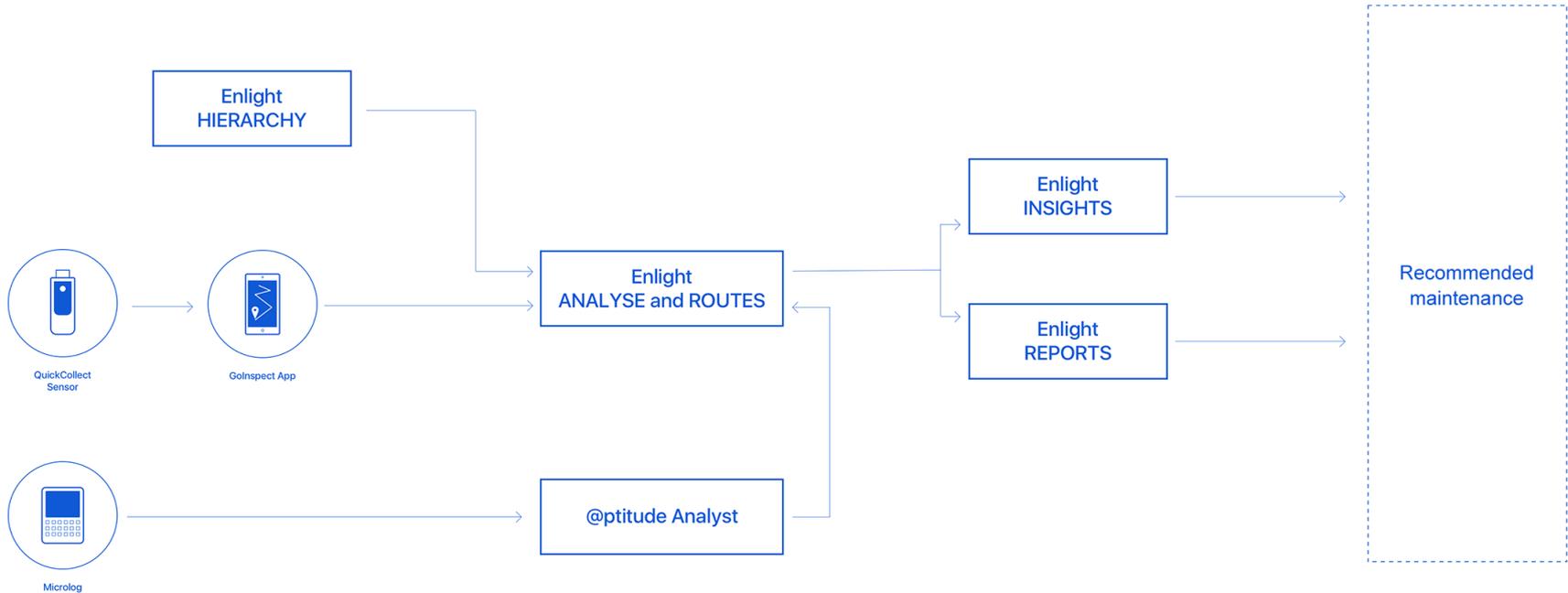
DATA ANALYSIS AND VISUALISATION



REPORTING THE ANALYSIS RESULTS

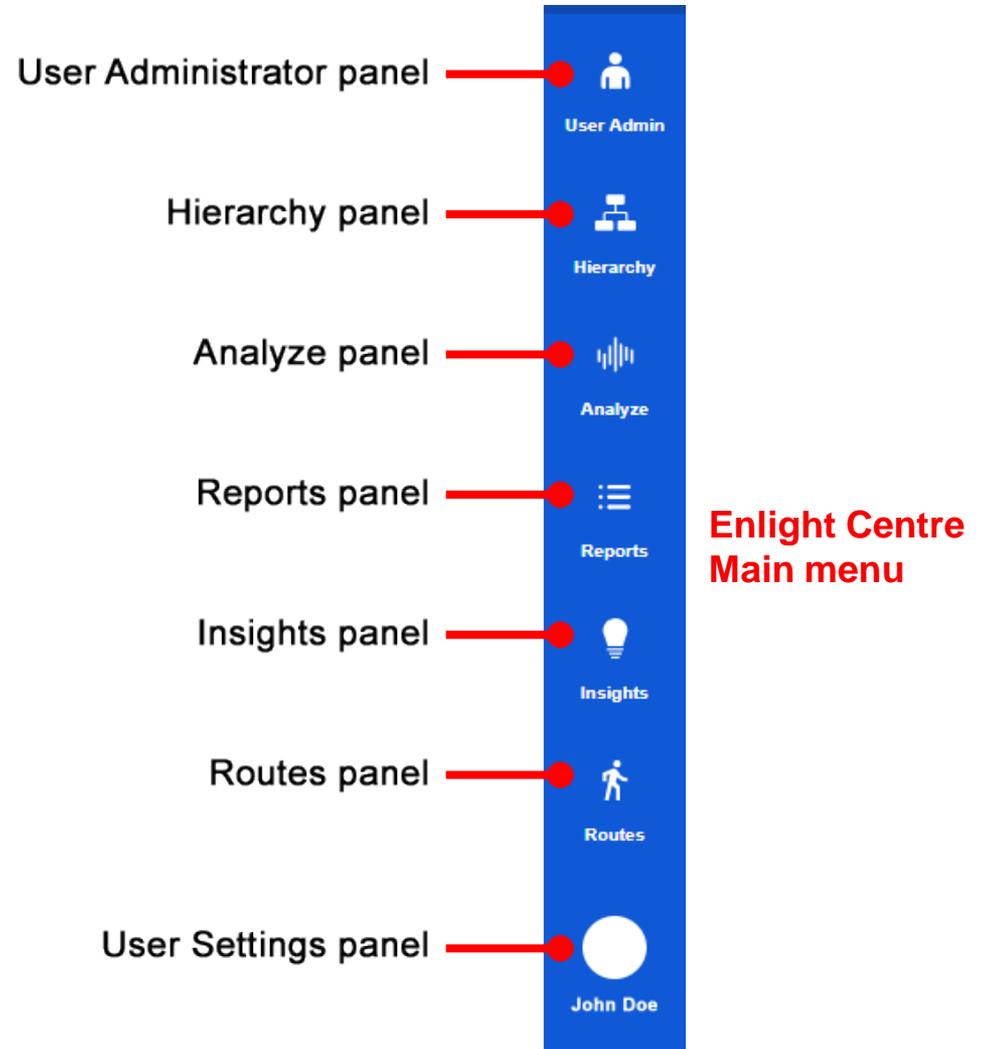


CORRECTIVE ACTION AND FEEDBACK



Roles

- Analyst Manager
- Analyst Publisher
- Analyst Viewer
- Device Manager
- Hierarchy Manager
- Hierarchy Viewer
- Insight Viewer
- Inspector
- Reports Manager
- Reports Subscriber
- Route Administrator
- User Administrator



Health status categories

UNACCEPTABLE (SEVERE)	The asset health status is Unacceptable when the identified fault severity is Severe . Assets in this category have high risk of immediate functional failure or collapse.
UNSATISFACTORY (MODERATE)	The asset health status is Unsatisfactory when the identified fault severity is marked as Moderate . The asset classes in this category have high risk of functional failure.
SUSPECT (SATISFACTORY)	Assets in this category imply that there might be a Suspect fault . The asset health status is considered Satisfactory , but might require that follow up actions are taken.
GOOD (NORMAL)	The health status of the asset is considered Good .
NOT MONITORED	The Not Monitored category is applicable to assets which the health status could not be assessed due to safety constrains or CM software or hardware fault.
OUT OF SERVICE	The Out of Service category is applicable to assets which the health status could not be assessed due to asset not being operational, not being under the required operating regime or being under maintenance.

Access to Enlight Centre



Enlight Centre

Email

Password

[Log in](#)

[Forgot your password?](#)

User settings

My account

Change password

Old password*

New password*
Your password needs to be at least 6 characters long and must include at least one lowercase letter, one uppercase letter and one digit.

Confirm new password*

[Clear](#) [Save](#)

Your access

User Admin
User Administrator

Hierarchy
Hierarchy Manager

Routes
Route Administrator

Inspector
Inspector

Analyze
Analyst

Reports
Reports Manager

Insights
Insights Viewer

Device Manager
Device Manager

John Doe

- Settings
- Log out

User administration

Edit user details

Administer Users > Edit User Details

Clear changes

Name: Testing Email: test@enlight.skf.com Status: Active

User Roles

Analyst Manager	Analyst Publish	Analyst Viewer	Device Manager	Hierarchy Manager	View Role details
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Hierarchy Viewer	Insight Viewer	Inspector	Reports Manager	Reports Subscriber	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Route Administrator	User Administrator				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

Hierarchy Access Settings

Company Company 1

Site Site 1



Administer Users

Username	Email	Role	Status
Testing	test@enlight.skf.com	Analyst	Active

Create User



Create new user



Hierarchy

The screenshot displays a multi-level hierarchy in a software application. The left sidebar contains navigation options: User Admin, Hierarchy (highlighted with a red circle), Analyze, Reports, Insights, and Routes. The main content area is divided into six levels:

- Level 1:** Company (3 items). Includes 'Company 1' and 'Company 2'.
- Level 2:** Site (25 items). Includes 'SITE 1', 'SITE 2', and 'SITE 3'.
- Level 3:** System (10 items). Includes 'SYSTEM 1' through 'SYSTEM 6'.
- Level 4:** Functional location (2 items). Includes 'FUNC LOC 1' through 'FUNC LOC 5'.
- Level 5:** Asset (8 items). Includes 'ASSET 1' and 'ASSET 2'.
- Level 6:** Measurement Point. Includes 'MEAS POINT 1'.

The right-hand side of the interface shows a detailed configuration form for the selected 'MEAS POINT 1' entity, including fields for Name, Bearing Number, Angular Orientation, Measurement Type, Shaft, Side of Shaft, Description, and Overall Alarm Thresholds.

Analyze

The interface displays a 'Work priority list' for 'Customer 1'. The left sidebar contains navigation options: User Admin, Hierarchy, **Analyze** (circled in red), Reports, Insights, Routes, and John Doe. The main content area shows a summary for 'Customer 1' with 10 functional locations. Below this, a table lists 6 priority items with columns for Priority, Functional location, Collected date, Status, Reported date, and Placement. The table includes filters for 'ACT NOW' (197 of 205), 'ATTENTION' (2 of 205), and 'HANDLED' (6 of 205). A red bracket highlights the 'ACT NOW' filter.

Priority	Functional location	Collected date	Status	Reported date	Placement
1	Functional Location 1	11 Aug, 2018	Undetermined	N/A	Customer 1 > SITE 1
2	Functional Location 2	11 Aug, 2018	Good	N/A	Customer 1 > SITE 1
3	Functional Location 3	11 Aug, 2018	Good	N/A	Customer 1 > SITE 1
4	Functional Location 4	11 Aug, 2018	Good	13 Aug, 2018	Customer 1 > SITE 1
5	Functional Location 5	11 Aug, 2018	Good	N/A	Customer 1 > SITE 1
6	Functional Location 6	11 Aug, 2018	Unsatisfactory	20 Aug, 2018	Customer 1 > SITE 1

Analyze

Analyze assets

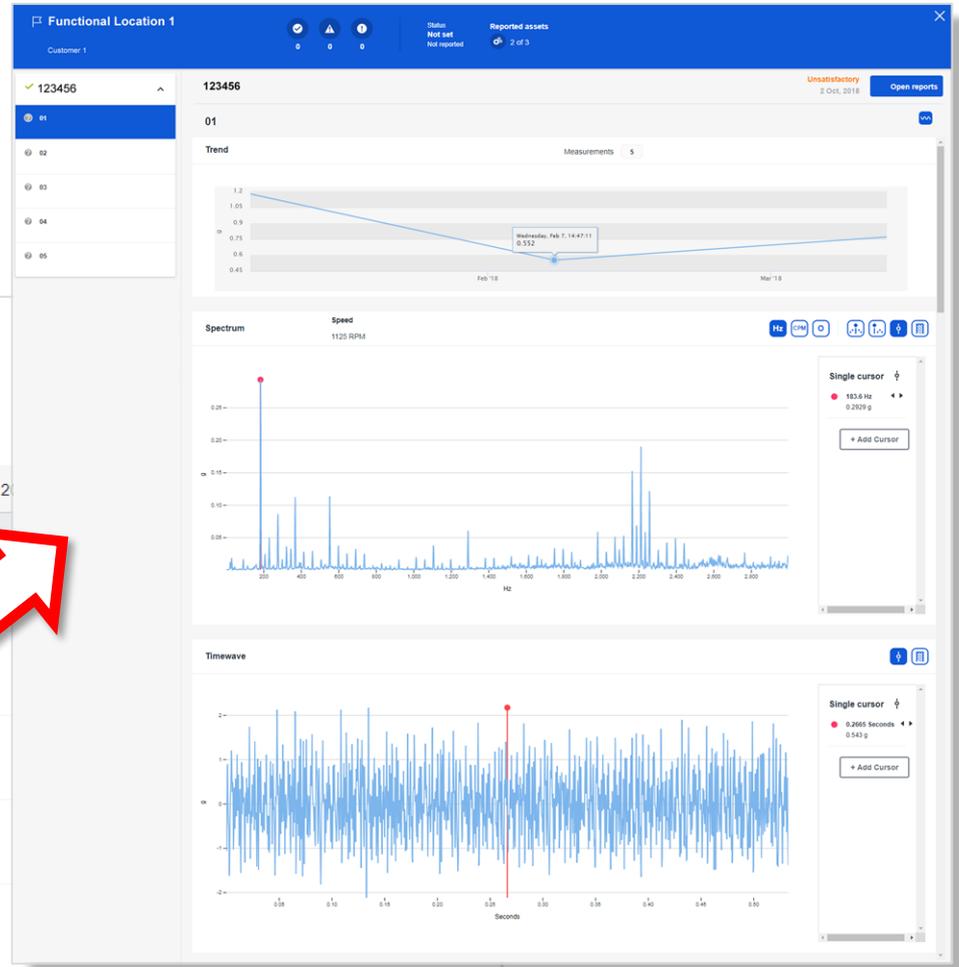
Asset workspace with detailed trends and graphs

Work priority list

Customer 1

ACT NOW | 197 of 205 **ATTENTION** | 2 of 205 **HANDLED** | 6 of 205

Priority	Functional location	Collected date	Status		
1	Functional Location 1	11 Aug, 2018	Good		
2	Functional Location 2	11 Aug, 2018	Good		
3	Functional Location 3	11 Aug, 2018	Good		
4	Functional Location 4	11 Aug, 2018	Good		
5	Functional Location 5	11 Aug, 2018	Good		
6	Functional Location 6	11 Aug, 2018	Unsatisfactory	20 Aug, 2018	Customer 1 > SITE 1



Reports

Select Company and Plants and Areas


User Admin

Hierarchy

Analyze

Reports

Insights

Routes

John Doe

Filter by

Company: Company 1 ▾

Sites, plants and systems: 2 selected ▾

Asset Status: 4 statuses selected ▾

Data Collection: All collection statuses ▾

Fault type: All fault types ▾

Selected

Company 1

SITE 1 ✕ SITE 2 ✕

Unacceptable (1) ✕ Unsatisfactory (2) ✕

Satisfactory (2) ✕ Good (8) ✕ All collection statuses All fault types

Hide completed actions

Functional location			Functional location status				Company 1 > SITE 1			
FUNC LOC 1			Unacceptable							
Asset	Asset Status	Data Collection	Fault type	Fault severity	Recommended actions	Work not. ID	Action	Creator	Date	
ASSET 1	Unacceptable	Data collected	Actuator Operation Fault	❗	Fixed sensor replacement	/ &XP34D9	Not Done ▾	Martin Flower	18 Jun, 2018	

Functional location			Functional location status				Company 1 > SITE 1			
FUNC LOC 2			Unsatisfactory							
Asset	Asset Status	Data Collection	Fault type	Fault severity	Recommended actions	Work not. ID	Action	Creator	Date	
ASSET 2	Unsatisfactory	Under maintenance	Grease Lubricator Fault	⚠	Data collection schedule change 💬	/ 432432432	Done ▾	Martin Flower	11 Jun, 2018	
ASSET 3	Satisfactory	Data collected	Accumulator Pressure Fault	💬 ❓	AV replacement 💬	/ 32432	Not Done ▾	Bruce RDC Analyst	26 Jul, 2018	

Functional location			Functional location status				Company 1 > SITE 1			
FUNC LOC 3			Unsatisfactory							
Asset	Asset Status	Data Collection	Fault type	Fault severity	Recommended actions	Work not. ID	Action	Creator	Date	
ASSET 4	Unsatisfactory	In standby	Battery Cell Resistance Fault	💬 ⚠	Belt tension 💬 Balancing 💬	/ 43243 / 43243	Done ▾ Done ▾	Martin Flower Martin Flower	25 Jul, 2018	
ASSET 5	Good	Guarding Hazard	-	-	-	-	-	-	-	
ASSET 6	Good	Overdue	-	-	-	-	-	-	-	

Reports

Filtering options

The status reports can be filtered by Asset Status, Data Collection, Fault Type and Time Period.

Filter by

Company: Company 1
Sites, plants and s: 2 selected

Selected

Company 1

Satisfactory (2) Good (8) All collected

Asset Status

- Unacceptable (5)
- Unsatisfactory (5)
- Satisfactory (7)
- Good (23)
- Undetermined (170)

Data Collection

- Data collected
- Overdue
- Not monitored
- Unsafe Access
- Guarding Hazard
- Rotating component exposed
- Condition monitoring system malfunction
- Out of service
- Under maintenance
- Out of operating regime
- In standby
- No operator to start equipment

Fault type

- Actuator Operation Fault (3)
- Bearing Fault (2)
- Bearing Cocked (1)
- Battery Circuit Voltage Fault (2)
- Air Gap Variable (6)
- Belt Loose (1)
- Accumulator Pressure Fault (4)
- Grease Lubricator Fault (1)
- Bearing Improper Clearance (1)
- Basis Weight Fault (1)

Time Period

28 Aug, 2017 → 13 Sep, 2017

Aug 2017

Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

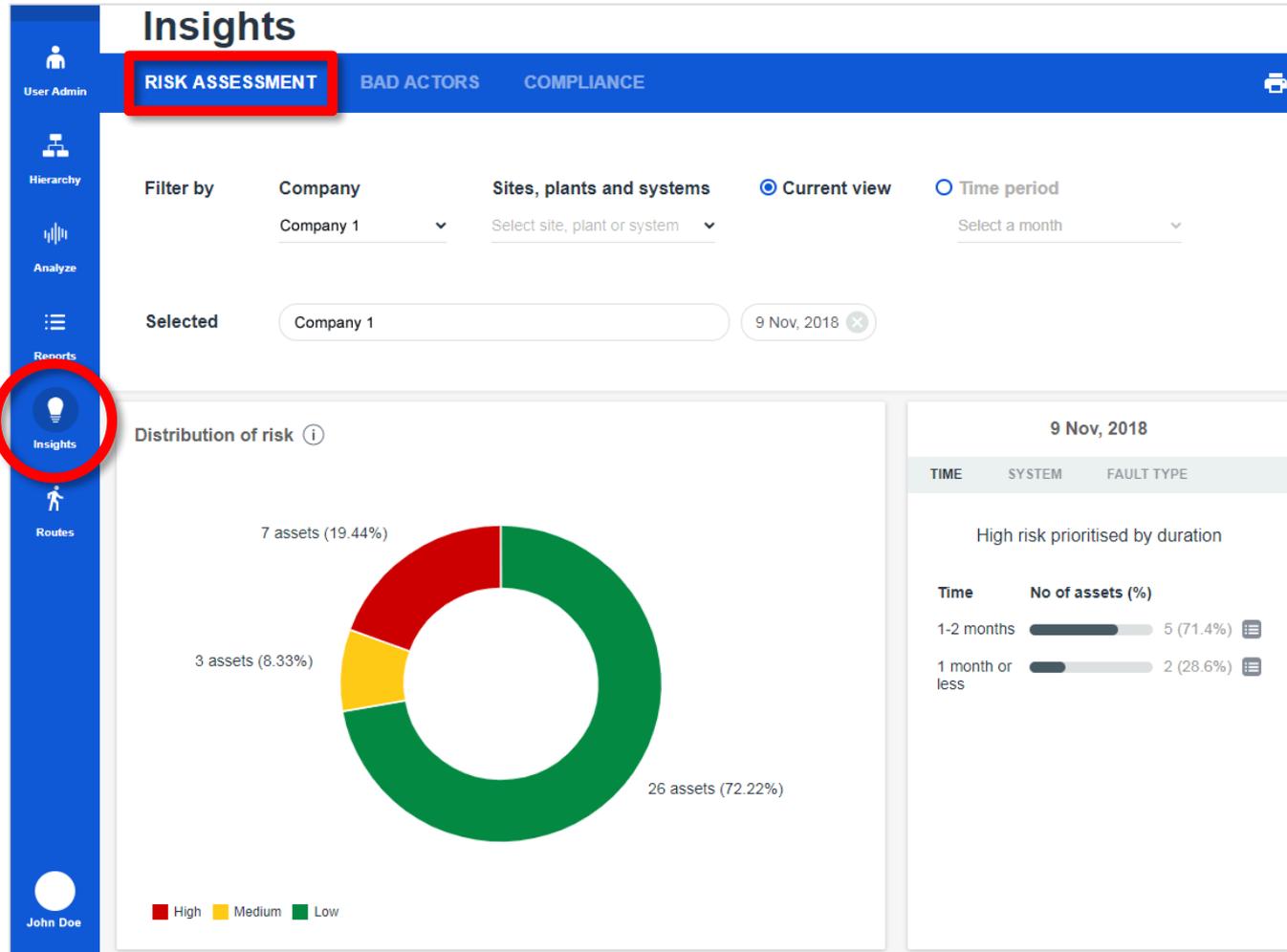
Functional location	Asset Status	Data Collection	Fault type	Fault severity
FUNCTIONAL LOCATION 1: UNACCEPTABLE				
ASSET 1	Unacceptable	Data collected	Actuator Operation Fault	🔴
FUNCTIONAL LOCATION 2: UNSATISFACTORY				
ASSET 2	Unsatisfactory	Under maintenance	Grease Lubricator Fault	🟡
ASSET 3	Satisfactory	Data collected	Accumulator Pressure Fault	🟢
FUNCTIONAL LOCATION 3: UNSATISFACTORY				
ASSET 4	Unsatisfactory	In standby	Battery Cell Resistance Fault	🟡
ASSET 5	Good	Guarding Hazard	-	🟢
ASSET 6	Good	Overdue	-	🟢

Work not. ID	Action	Creator	Date
/ 432432432	Done	Martin Flower	11 Jun, 2018
/ 32432	Not Done	Bruce RDC Analyst	26 Jul, 2018

Asset	Asset Status	Data Collection	Fault type	Fault severity	Recommended actions	Work not. ID	Action	Creator	Date
ASSET 4	Unsatisfactory	In standby	Battery Cell Resistance Fault	🟡	Belt tension Balancing	/ 43243 / 43243	Done Done	Martin Flower Martin Flower	25 Jul, 2018
ASSET 5	Good	Guarding Hazard	-	🟢	-	-	-	-	-
ASSET 6	Good	Overdue	-	🟢	-	-	-	-	-

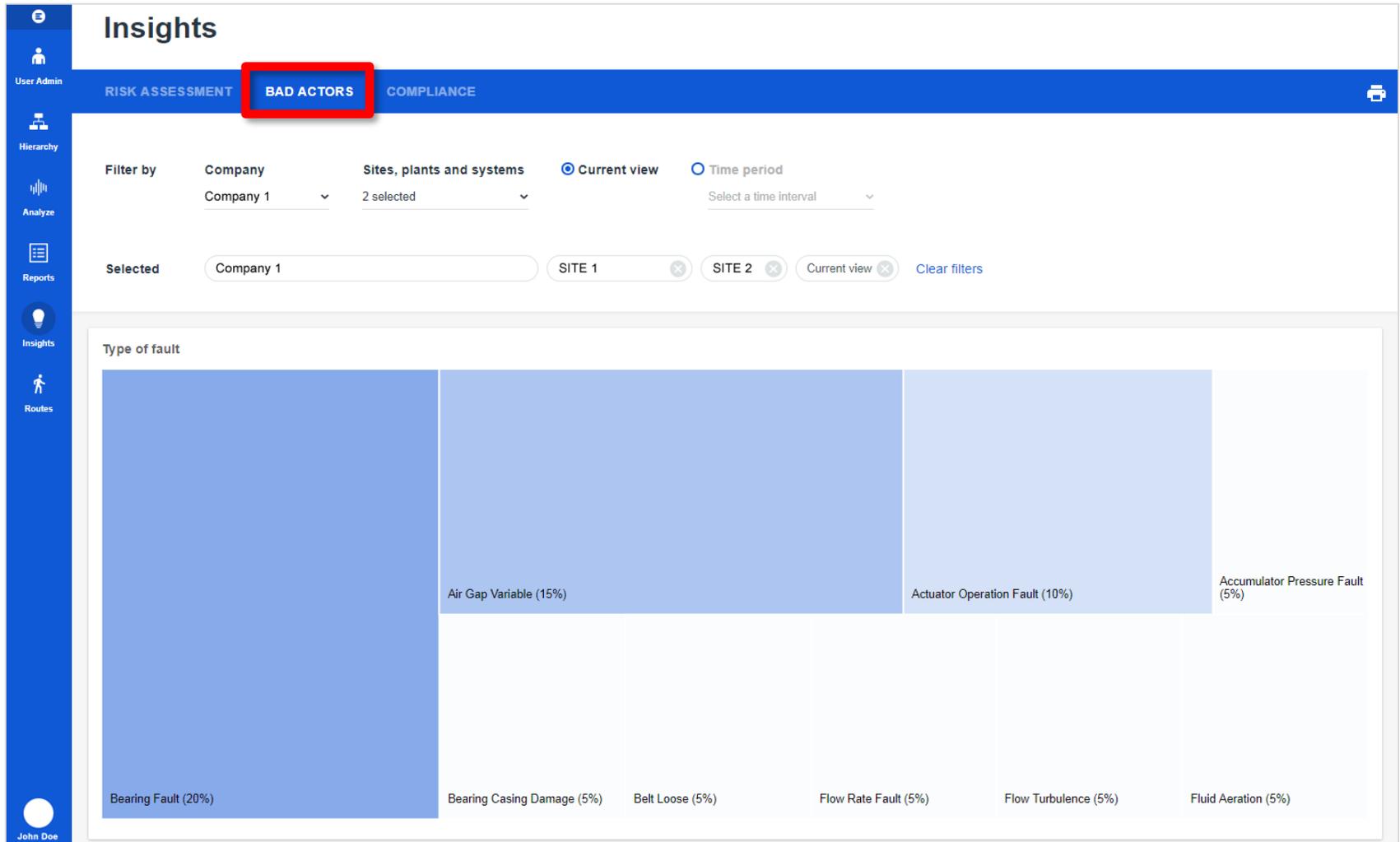
Insights

Risk assessment



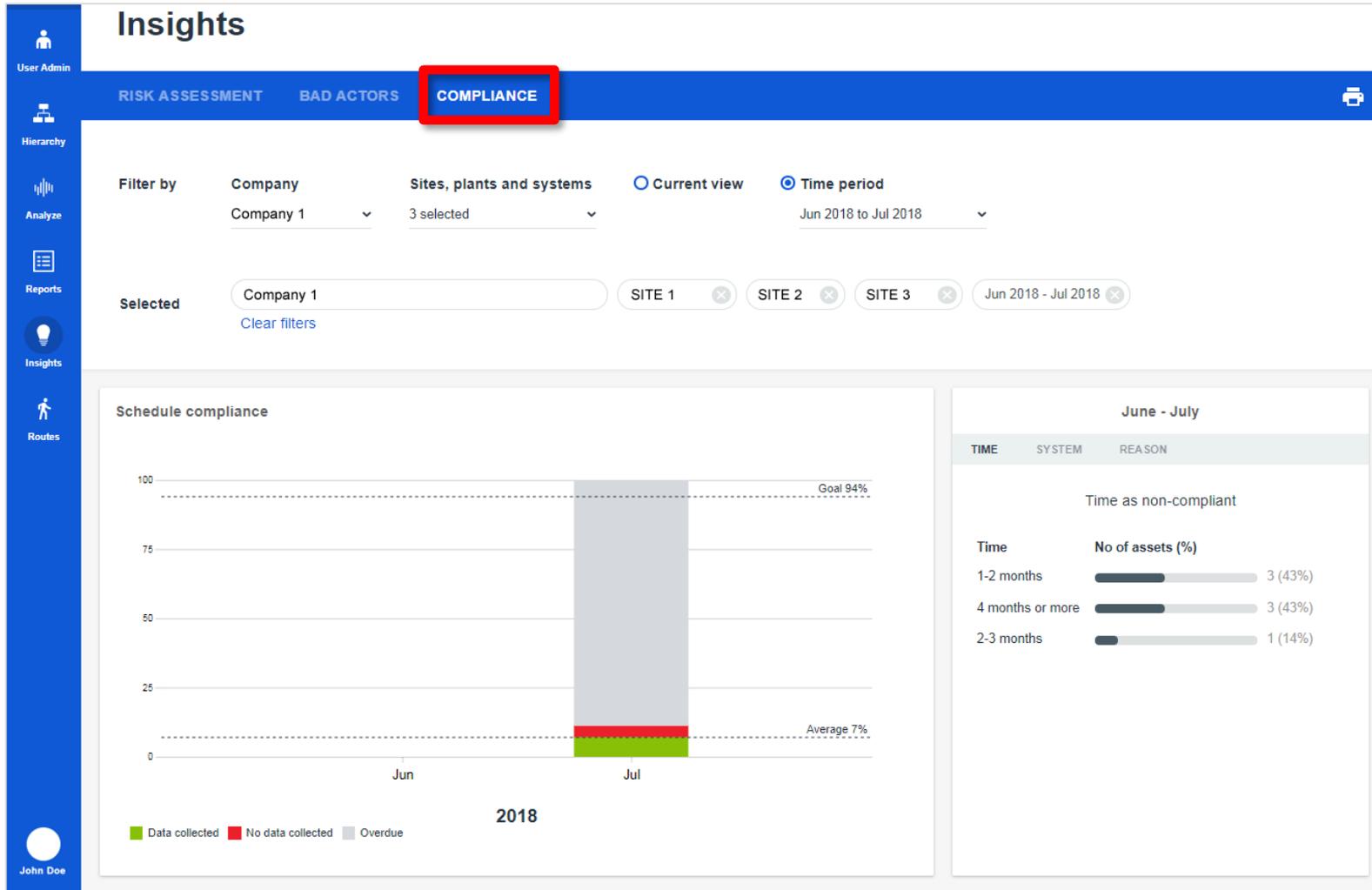
Insights

Bad actors



Insights

Compliance



Routes

Create route

Detailed view of the route

Customer 1

Site 1

CUSTOMER 1 > SITE 1

Route name	Due	Created	Status	
Test route	10 Jul, 2018	10 Jul, 2018	Not sent	Send

Edit route SITE 1

Add Auto Route Pre-fill fields and assets which has a Due by date within 30 days from today's date are pre-ticked.

Route name **Route due date**

Test route 10 Jul, 2018

Functional location	Date of Last Collection	Schedule	Collection Deadline
<input checked="" type="checkbox"/> FUNC LOC 1 Company 1 > Site 1	Never collected	Not Scheduled	30 Aug, 2018
<input checked="" type="checkbox"/> FUNC LOC 2 Company 1 > Site 1	Never collected	Not Scheduled	30 Aug, 2018
<input checked="" type="checkbox"/> FUNC LOC 3 Company 1 > Site 1	Never collected	Not Scheduled	30 Aug, 2018
<input type="checkbox"/> FUNC LOC 4 Company 1 > Site 1	Never collected	Not Scheduled	30 Aug, 2018

Cancel Save

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