

EqHub + CFIHOS + PCA + AAS

How it all can be tied together

A Great Story from Norway's Offshore Supply Chain



EqHub overview

EqHub is a technical information library for equipment, based on industry agreed formats

Manufacturers or agents add the information

Certified Verifiers review and approve the information

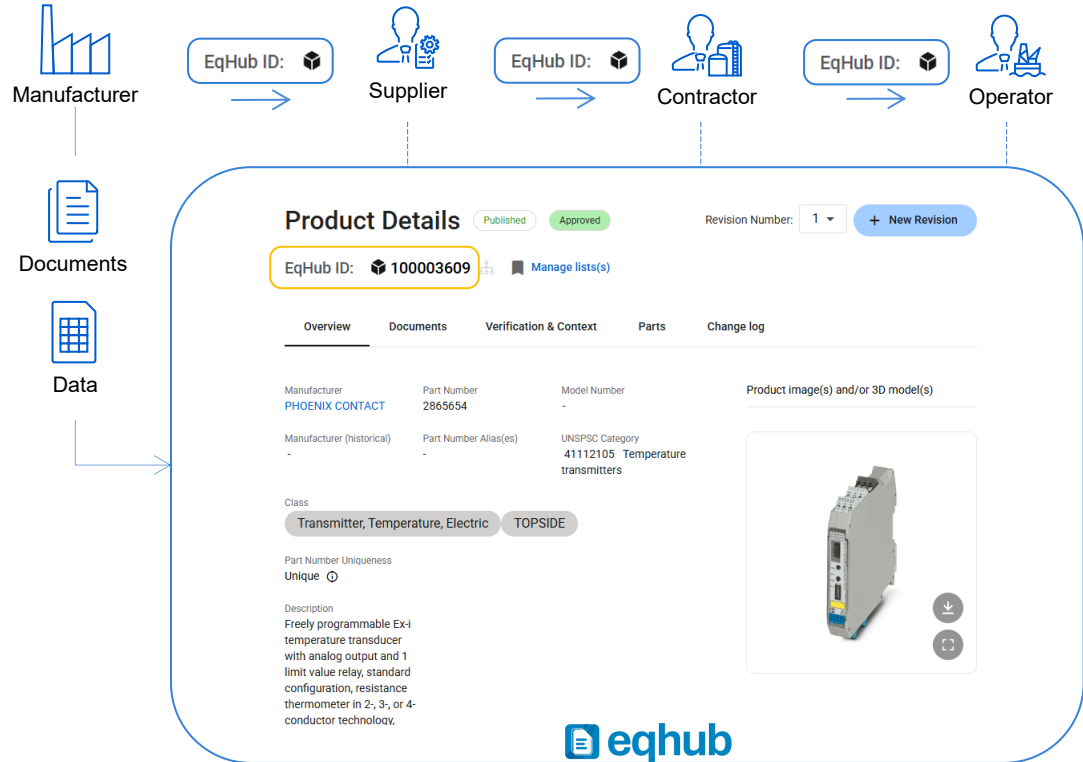
Only the EqHub ID is delivered to the project

Benefits

Re-use across projects and operators

Information available earlier

Data can be used to support work processes



EqHub – CFIHOS - ECLASS – AAS

Transforming the data

Mapping to different standards is important for interoperability.

EqHub is mapping / aligning with CFIHOS and ISO 15926-4 in 2026

We have initiated CFIHOS FR's (Feature Requests) to map CFIHOS to ECLASS and IEC CDD.

When completed, EqHub can receive and deliver equipment data and documentation with API in all these formats

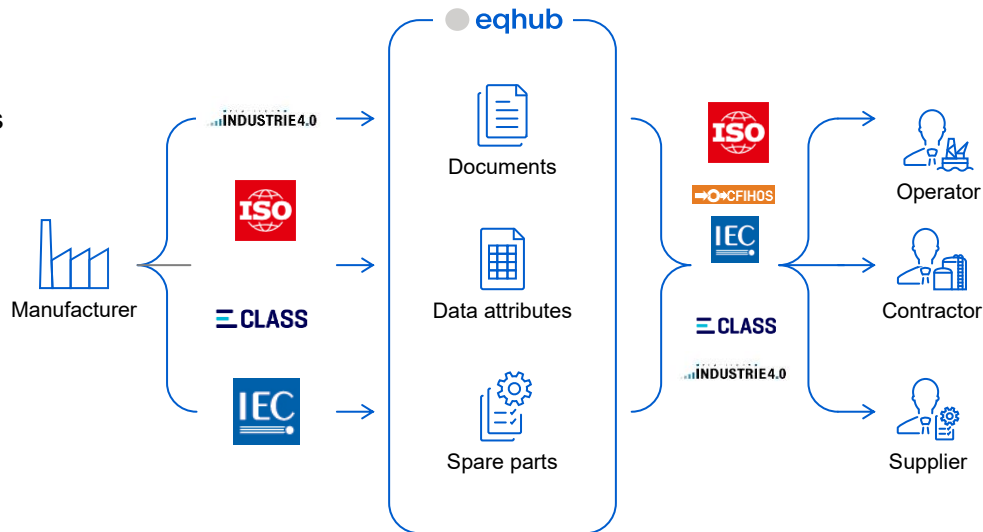
In near future:

EqHub will be able to:

Receive data in different formats from manufacturers

Deliver data in different formats to end users

Being ready for future requirements like Digital Product Passport and GHG (Green House Gas) emission



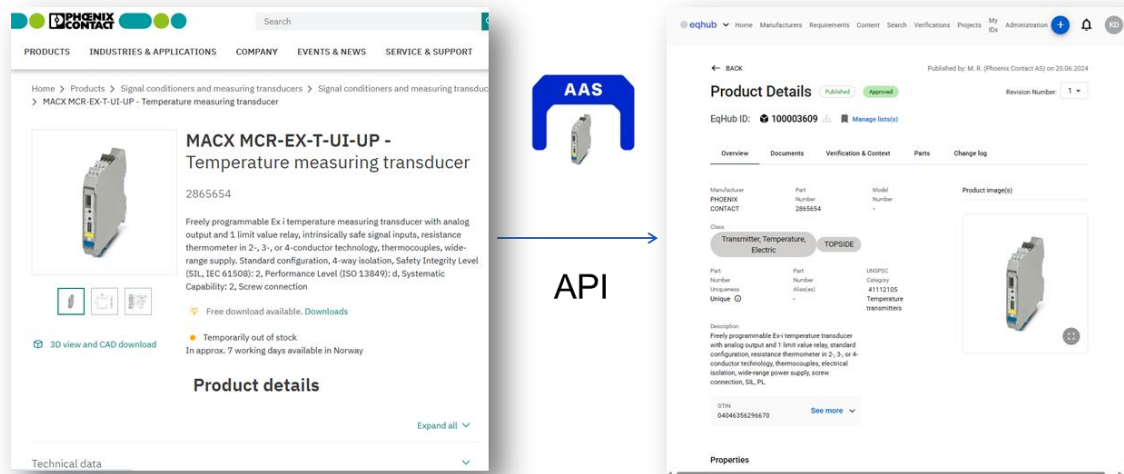
EqHub and AAS

collecting the data

In a Pilot with Phoenix Contact we have worked on receiving data in AAS format with API.

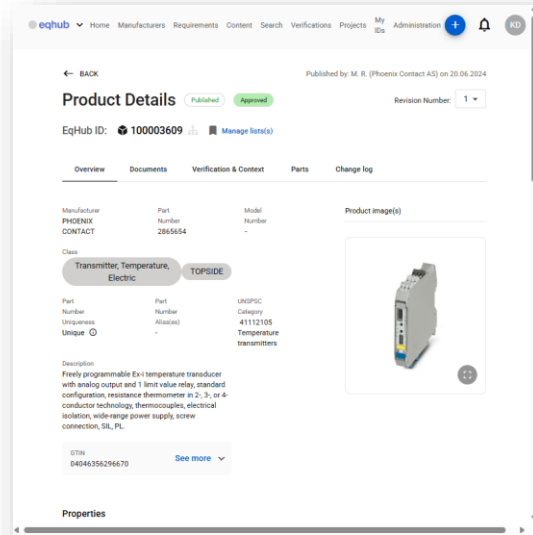
In the Pilot we fetched ca. 85.000 shells and with a little “cleaning” of parts no in EqHub/Virtual inventory we had a near 90% match with the products in EqHub and Virtual Inventory.

Other manufacturers like R. Stahl, Siemens, Endress & Hauser are all using AAS. The potential is enormous

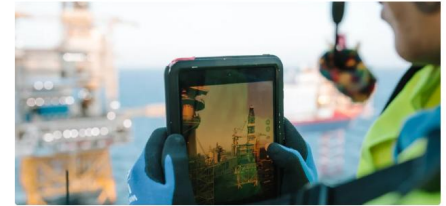


EqHub and AAS collecting the data

EqHub is integrated with operators' systems. Any product change notification will be available for all users in the field when we have API's in place retrieving AAS from manufacturers
Experience of products could go the other way.



The screenshot shows the EqHub interface for a product. At the top, it says "Published by M. R. (Phoenix Contact AAS) on 20.06.2024". The product name is "Product Details" with "Published" and "Approved" status indicators. The EqHub ID is 100003609. Below this are tabs for Overview, Documents, Verification & Context, Parts, and Change log. The main content area is divided into sections: Manufacturer (PHOENIX CONTACT), Part Number (2855654), Model Number (-), and Class (Transmitter, Temperature, Electric, TOPSIDE). There is also a section for Part Number (4112105), Uniqueness (Unique), and Description (Fully programmable Ex temperature transducer with analog output and 1 limit value relay, standard configuration, resistance thermometer in 2, 3, or 4-conductor technology, thermocouples, electrical isolator, wide-range power supply, screw connection, SIL, PL). A product image of the transmitter is shown on the right. At the bottom, there is a GTN (04046356296670) and a "See more" link.



Equinor modification projects

Delivering the data



EqHub ID:



Equinor receives Tag indexes with EqHub Id's from Modification contractors

The EqHub ID is made available in their engineering system (STID) without any manual activity

A Click on the EqHub ID opens the product in EqHub

More than 80.000 Tag's received with EqHub ID so far

Functional Location	Maint. Plant	Plant name	Semi / EqHub Id	Doc type	Document Number	Doc ...	Technical ...	Object ID	Description
1131-86-RO560	1131	Kollsnes CC1000	100011173	A01	10007026192	EQHUB	Equipment	13857911	EqHub ID 100011173 Gateway, Media
1131-86-RO559	1131	Kollsnes CC1000	100011173	A01	10007026192	EQHUB	Equipment	13857910	EqHub ID 100011173 Gateway, Media
1131-86-RO552	1131	Kollsnes CC1000	100014207	A01	10007146971	EQHUB	Equipment	13857904	EqHub ID 100014207 Power supply unit, El
1131-86-RO555	1131	Kollsnes CC1000	100014207	A01	10007146971	EQHUB	Equipment	13857906	EqHub ID 100014207 Power supply unit, El
1131-86-RO558	1131	Kollsnes CC1000	100014207	A01	10007146971	EQHUB	Equipment	13857909	EqHub ID 100014207 Power supply unit, El
1220-60A-CT02	1220	Snorre A Platform	100017046	A01	10007353396	EQHUB	Equipment	13857878	EqHub ID 100017046 Media, Filter
1220-60A-CT02	1220	Snorre A Platform	100017097	A01	100072359782	EQHUB	Equipment	13857877	EqHub ID 100017097 Actuator, Electric
1220-60A-CT02	1220	Snorre A Platform	791204	A01	10006302544	EQHUB	Equipment	13857879	EqHub ID 791204 Valve, Needle
1320-EAN-7516-06	1320	Kårstø Gassled TSP	886401	A01	10007012994	EQHUB	Equipment	13857876	EqHub ID 886401 FIXTURE_LIGHT
1320-EAN-7516-14	1320	Kårstø Gassled TSP	886785	A01	10006842210	EQHUB	Equipment	13857875	EqHub ID 886785 FIXTURE_LIGHT
1320-EAE-7516-14	1320	Kårstø Gassled TSP	886785	A01	10006842211	EQHUB	Equipment	13857875	EqHub ID 886785 FIXTURE_LIGHT
1766-IT-69-2601B	1766	Oseberg Sør platform	100000619	A01	1000665074	EQHUB	Equipment	1000665074	EQHUB ID 1000665074
1766-IT-69-2601A	1766	Oseberg Sør platform	100000619	A01	1000665074	EQHUB	Equipment	1000665074	EQHUB ID 1000665074
1320-83-EB-390B	1320	Kårstø Gassled TSP	100005540	A01	1000691571	EQHUB	Equipment	1000691571	EQHUB ID 1000691571
1320-83-EB-400B	1320	Kårstø Gassled TSP	100005790	A01	1000691890	EQHUB	Equipment	1000691890	EQHUB ID 1000691890
1218-HT531214F	1218	Gina Krog Platform	100009813	A01	1000698696	EQHUB	Equipment	1000698696	EQHUB ID 1000698696
1218-HT531214E	1218	Gina Krog Platform	100009813	A01	1000698696	EQHUB	Equipment	1000698696	EQHUB ID 1000698696
1218-HT531214D	1218	Gina Krog Platform	100009813	A01	1000698696	EQHUB	Equipment	1000698696	EQHUB ID 1000698696
1220-6'FEAC202R...	1220	Snorre A Platform	100013579	A01	1000736152	EQHUB	Equipment	1000736152	EQHUB ID 1000736152
1220-6'FEAC202R...	1220	Snorre A Platform	100013579	A01	1000736152	EQHUB	Equipment	1000736152	EQHUB ID 1000736152
1220-6'FEAC202R...	1220	Snorre A Platform	100013579	A01	1000736152	EQHUB	Equipment	1000736152	EQHUB ID 1000736152
1220-6'FEAC202R...	1220	Snorre A Platform	100013579	A01	1000736152	EQHUB	Equipment	1000736152	EQHUB ID 1000736152

STID Gullfaks C (1112) v

14-TT 1279
Safety critical heat conservation, 14-PT 122, well C-16

Upload media

Doc refs (3) Tag refs (3) ST reports (3) Other refs (2)

Search by Doc No. or Title

TR2381 Safety critical documents (3)

Doc No. Title

CO17-A-000-PE-348-09 P & I DIAGRAM GAS INJECTION

Package (1)

Doc No. Title

M0509C.25.C.0008-1400-C02 Vorkonservering skrots branner (MPS)

Product typical information (1)

ID	Description	Source	Manufacturer	Model	Part No
100000177	EqHub ID 10000177	SAP - Equipment 13857211	ROSEMOUNT	248	248D0X1P2WA3WP585M5Q4F6W83

eqhub Home Manufacturers Requirements Content Search Verifications Projects My Ids Administration

Published by: R. I. (EMERSON AUTOMATION SOLUTIONS AS) on 05.09.2023

Product Details Published Approved Revision Number: 1 + New Revision

EqHub ID: 100000177 Add to my List(s)

Overview Documents Verification & Context Parts Change log

Manufacturer: ROSEMOUNT Part Number: 248D0X1P2WA3WP585M5Q4F6W83 Model Number: 248

Manufacturer (historical): Part Number Alias(es): UNSPSC Category: UNSPSC Category

Class: Transmitter, Temperature, Electric

Part Number Uniqueness: Unique

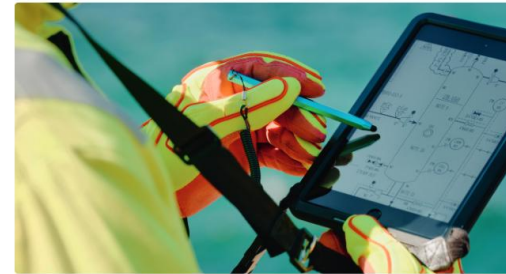
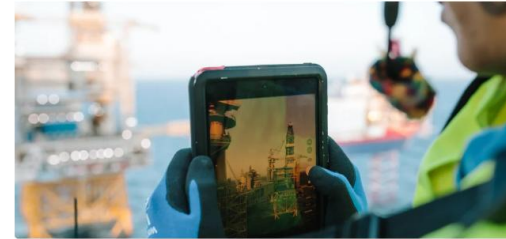
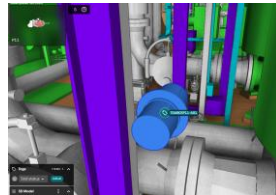
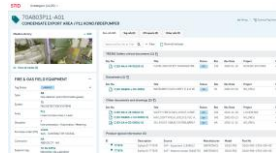
Description: The Rosemount 248 Wireless Temperature Transmitter is a cost-effective and reliable wireless solution for process monitoring. Coupled with the self-organizing network of WirelessHART technology, this

Equinor operation

Using the data



All this information, and more, is made available to the field operator through handheld pads



Aker BP Hugin A

Using the data



EqHub ID:



Aker Solutions receives Tag indexes from hundreds of suppliers

A click on the link will open the product in EqHub

So far, over 65.000 Tags received with EqHub ID's

Information Exchange | Hugin A - Equipment

FPQ-ER268-LA-00002
Index (Tag) - Instrument Field

PACKAGE: ER268 | REVISION: 10 | FILTER BY CLASSIFICATION: Instrument Field

View only, Deliverable status is review

Export to excel | View

Obj ect state	Tag Number	Classification	Structure	Model (& Part) Number	Serial No.	EqHub ID	Dry Weight	ATEX Marking	Protection Type	Gal	
180	Active	D-44PY4414B	Positioner	CONTROLS	DVC6000/6200 Series	F004098714		5	II 1 GD	Ex ia	IIC
181	Active	D-44PY4453	Positioner	CONTROLS	DVC6000/6200 Series	F004098728		5	II 1 GD	Ex ia	IIC
182	Active	D-44PY4459A	Positioner	CONTROLS	DVC6000/6200 Series	F004098733		5	II 1 GD	Ex ia	IIC
183	Active	D-44PY4459B	Positioner	CONTROLS	DVC6000/6200 Series	F004098734		5	II 1 GD	Ex ia	IIC
184	Active	D-44PY4511	Positioner	CONTROLS	DVC6000/6200 Series	F004237979		5	II 1 GD	Ex ia	IIC
185	Active	D-44TE4525A	Temperature Ele...	Sensor G...	2113-1-179	100012491	0.7			Simple apparatus	
186	Active	D-44TE4525B	Temperature Ele...	Sensor G...	2113-1-179	100012491	0.7			Simple apparatus	
187	Active	D-44TE4525C	Temperature Ele...	Sensor G...	2113-1-179	100012491	0.7			Simple apparatus	
188	Active	D-44TE4526A	Temperature Ele...	Sensor G...	2113-1-179	100012491	0.7			Simple apparatus	
189	Active	D-44TE4526B	Temperature Ele...	Sensor G...	2113-1-179	100012491	0.7			Simple apparatus	
190	Active	D-44TE4526C	Temperature Ele...	Sensor G...	2113-1-179	100012491	0.7			Simple apparatus	
191	Active	D-44TE4527A	Temperature Ele...	Sensor		100012491				Simple apparatus	
192	Active	D-44TE4527B	Temperature Ele...	Sensor		100012491				Simple apparatus	
193	Active	D-44TE4527C	Temperature Ele...	Sensor		100012491				Simple apparatus	
194	Active	D-44TE4529	Temperature Ele...	Sensor		100012491				Simple apparatus	
195	Active	D-44TE4531	Temperature Ele...	Sensor		100012491				Simple apparatus	
196	Active	D-44TE4532	Temperature Ele...	Sensor		100012491				Simple apparatus	IIC
197	Active	D-44TE4534	Temperature Ele...	Sensor		100012491			II 2 G	Simple apparatus	IIC

Product Details

EqHub ID: 100012491

Manufacturer: THERMO SENSOR

Part Number: 2113-1-179

Model Number: 41112225

UNSPSC Category: Resistance temperature detector-RTD

Element, Temperature, Resistance | TOPSIDE

Description: Connection wire: 1000 mm flexible connection wire 4 x 0.18 mm², individually and overall insulated with 145°C (310 °F) with copper shielding braid.

1 (Approved)

Class: Element, Temperature, Resistance

Manufacturer: THERMO SENSOR

PartNo: 2113-1-179

Description: Connection wire: 1000 mm flexible connection wire 4 x 0.18 mm², individually and overall insulated with 145°C (310 °F) with copper shielding braid.



PCA have developed a CFIHOS + solution in use by AkerBP and Nordic Pulp & Paper

This allows user parties to share additional RDL data through API in projects without exchanging files on a regular basis.

For EqHub and AkerBP the CFIFOS RDL team validate the added properties and classes for implementation in the next version of CFIHOS RDL

🏠 / RDLs / Add CFIHOS Property 👤 Jørgen ▾

Add new CFIHOS property

- Target Reference data library**
Select reference data library *
- About the CFIHOS property**
Name *
Name the new CFIHOS property

Description *
Description of the CFIHOS property

Property type *
What type of property is this?
 Unit of Measure Pictlist Free Text Boolean
Dimension *
The selected dimension for the property
- Source Relations**
- Optional**
Package name
Package name groups the data for review

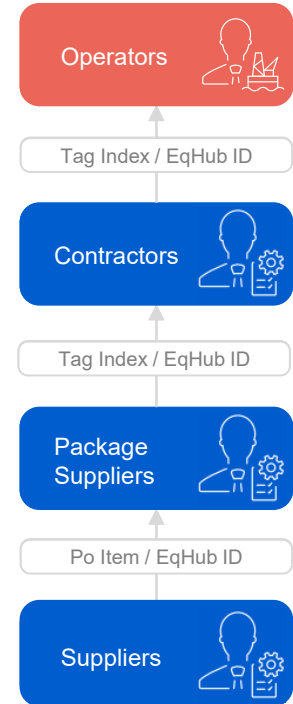
Replaces
The CFIHOS property that is being replaced
- Justify your changes**
Justification *
Reason for creating the CFIHOS property

Existing project process

Projects have already implemented processes to capture, and quality assure data about equipment purchased.

Operators has created routines for cataloguing new items in EqHub based on context

Operators update Virtual Inventory on a regular basis



EqHub Projects - TAG

In EqHub we have a Project module where EqHub equipment is linked to the TAG index

Upload your TAG index with TAG no, Manufacturer and Part no. The system looks up and add what is in EqHub already

The system will also come with suggestions if it find a close match

TAG List Details

TAG list ID: 600000027

Overview


Search by TAG number, description, Manufacture name, Part number, Serial number, Package number, Document number

Tag no.	TAG >	Consequence >	EqHub ID <	EqHub ID revis...	Manufacturer	Part No.	Part No. unique...	Class	EqHub ID revision st...	EqHub ID verification st...	Compliance	EqHub ID publish...	Package (SPIR) info >
	TAG service descr...	Safety	EqHub ID	Suggested									Package number
00-CS-19001-H01	Space Heater, Lubricatio...		829140		R. STAHL TRANBERG	9207 3006	Unique	Heater, Electric, Ex	Published	Approved		09.01.2025	ER334
00-CS-19001-J01	Vendor JB		808477		R. STAHL TRANBERG	1058 2580	Unique	Thermostat	Published	Approved		11.11.2013	ER334
00-JO-199000	HMI - Phoenix Contact V...												BL770
00-PI-193001	Grease Pump Outlet												ER334
00-XU-19003	UTILITY STATION HP HQ...												ER334
00-XU-19004-H01	Space Heater 00-XU-190...		829140		R. STAHL TRANBERG	9207 3006	Unique	Heater, Electric, Ex	Published	Approved		09.01.2025	ER334
00-XU-19008	UTILITY STATION ALL SE...												ER334
00-XU-19009	UTILITY STATION ALL SE...												ER334
00-XU-19011-H01	Space Heater 00-XU-190...		829140		R. STAHL TRANBERG	9207 3006	Unique	Heater, Electric, Ex	Published	Approved		09.01.2025	ER334
00-XU-19014	UTILITY STATION HP HQ...												ER334
00-XU-19016-H01	Space Heater 00-XU-190...		829140		R. STAHL TRANBERG	9207 3006	Unique	Heater, Electric, Ex	Published	Approved		09.01.2025	ER334

Diagram showing labels pointing to columns in the table:

- TAG No (points to Tag no.)
- EqHub ID (points to EqHub ID)
- Manuf (points to Manufacturer)
- Part no (points to Part No.)
- Class (points to Class)
- ID status (points to EqHub ID verification status)
- Package (points to Package number)

SPIR BI673

	Project ID 610000004	Coordinator company AKER BP ASA	Package name Fire & Gas Detectors	TAG index ID 650000000	TAGs without EqHub IDs 30 / 1075	Supplier (done) ⓘ 0 / 21
	Project name Hugin A SPIR	Owner company AKER BP ASA	Package number 1075	Total TAGs count in project 1075	TAGs with suggested EqHub IDs 0 / 1075	Evaluation (done) ⓘ 0 / 21
	Project number HA-001	Supplier company	Due (days)			Decision (done) ⓘ 0 / 21

Additional details and responsibilities ⓘ [Assigned user list](#) Edit

General SPIR Info ⓘ C

Search by TAG number, EqHub ID, Comment text

Comments	Tag	Suggested	TAG	EqHub ID	EqHub	Suggested	Manufacturer Name (EqHub)	Part No. (EqHub)	Consequence	Supplier (done)	Update by Supplier	Evaluation (done)	Update by Evaluator	Company decision (done)	Update by Owner
	D-70MCDU10...	83	DU110 Cellar Deck West	Point. Call. Address...	578994		AUTRONICA FIRE AND ...	116-BF-503...							
	D-70SEDU4...	77	DU420 HV SWGR Room	Detector. Smoke & ...	100005792		AUTRONICA FIRE AND ...	116-V-530...							
	D-70SODU4...	57	DU420 HV SWGR Room	Detector. Smoke & ...	100005788		AUTRONICA FIRE AND ...	116-V-530...							
	D-79ES0002...	18	Manual ESD 2.1 DU110 C...	Point. Call	100011104		COOPER MEDC	PB/B48684...							
	D-70GPDU3...	6	DU310 Battery Room B C...	Detector. Gas	100005255		MSA	A_PRIMAX-I...							
	D-71H5000...	17	DP130 Cellar Deck West ...	Point. Call	100011208		COOPER MEDC	PB/B48684...							
	D-79ES0164...	17	DU510 Export Comp Tran...	Point. Call	100011209		COOPER MEDC	PB/B48684...							
	D-70FDP950...	278	DP540 Weather Deck No...	Detector. Flame	855080		DET-TRONICS	116-5861-0...							
	D-70GRDP1...	254	DP340 Mezz Deck South ...	Detector. Gas	871778		AUTRONICA FIRE AND ...	116-013800...							
	D-70GPDU4...	174	DU410 CER Entry Lobby	Detector. Gas	955871		OPTRONICS	PG11-AA-0...							

Equipment material data ⓘ EqHub ID: 578994 83 TAG number(s): D-70MCDU10... Show all

Supplier (done) Evaluation (done) Company decision (done) C

Comments	Type	Material Data	Evaluation	Company decision
	Equipment	AUTRONICA FIRE AND SECURITY 116-BF-503/5v/0100	1000221951 10 Suggestions	

Status

By focusing on the Tag index, the entire Spir can be presented for input of commercial data.

Suppliers see the benefits of EqHub SPIR



Thank you

For in-depth presentation of any of the topics please contact:

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