All the players, one arena, one set of data.

Doing More With Offshore Engineering Data, November 25, 2014

SHAREcatX

Sharecat Solutions

- Content and Information Management solutions and services provider

- Established in 1993 with 100% focus on the Oil & Gas industry

- 110+ employees Based in Norway, UK, USA, Malaysia

- Low cost capabilities

- Owned by large Norwegian private equity fund - financial capacity to invest and grow

Products and Services

- Central Information Store
  - Vendor equipment defined by the RDL (class, characteristics, values ..)
  - Central Document Library to handle all technical documents and data through all project phases
  - Central Tag DataBase to handle all Tags and data related data though all project phases
- Improve program to enhance poor data in material masters
- Consulting services within document-, material- and supply chain management
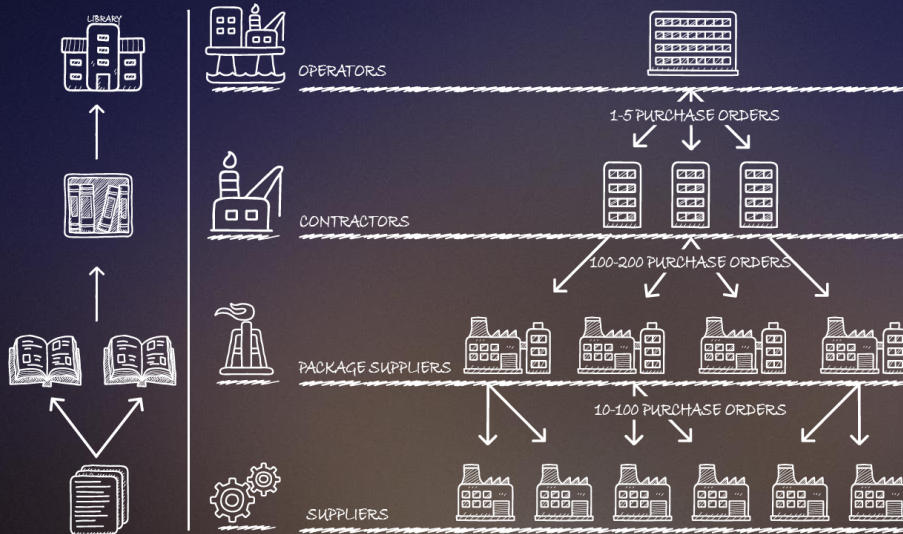- SaaS hosted on Microsoft Azure cloud platform

SHARE cat-X

YOUR POINTING AT IT WON'T HELP – THE COMPUTER RECORDS SHOWS NONE IN STOCK.

Doing More With Offshore Engineering Data

- Greenfield – capture and use the data/information

- Brownfield – maintain and use the data/information

The Industry Challenge

- Multiple Hand Over processes in the supply chain

- Same data and documentation delivered in multiple copies

- Projects and Operations have different needs and focus
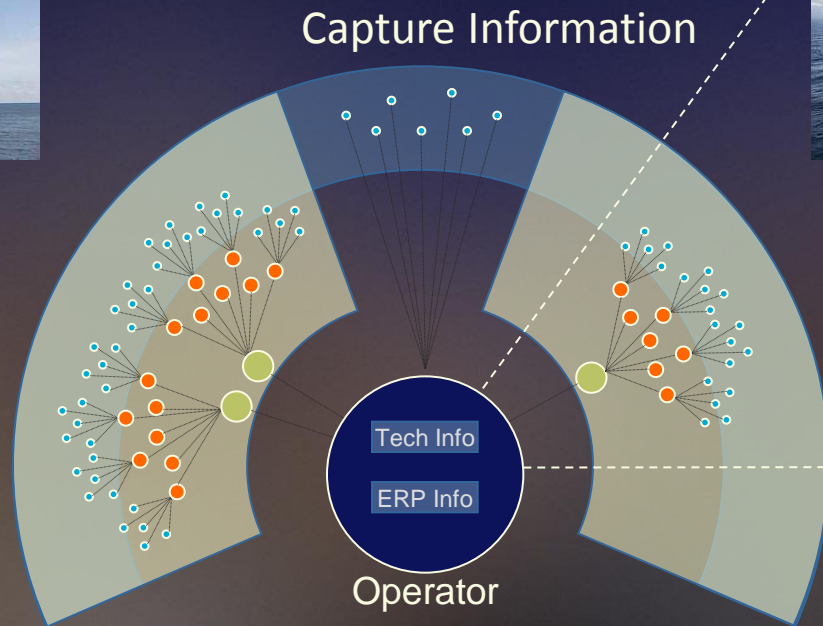
- Poor and missing information
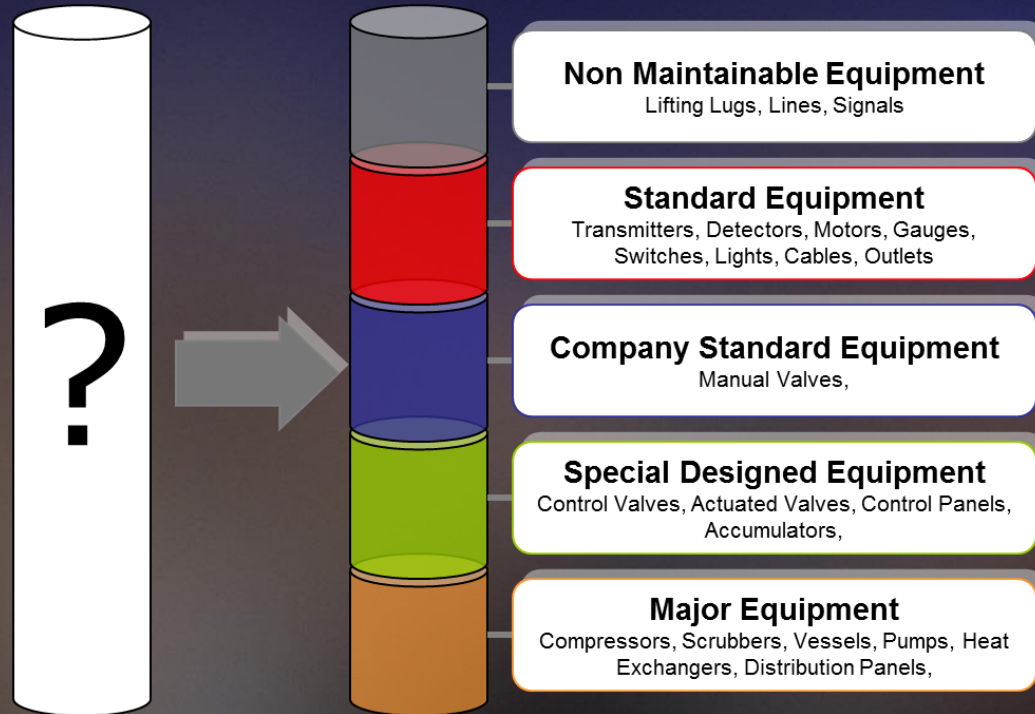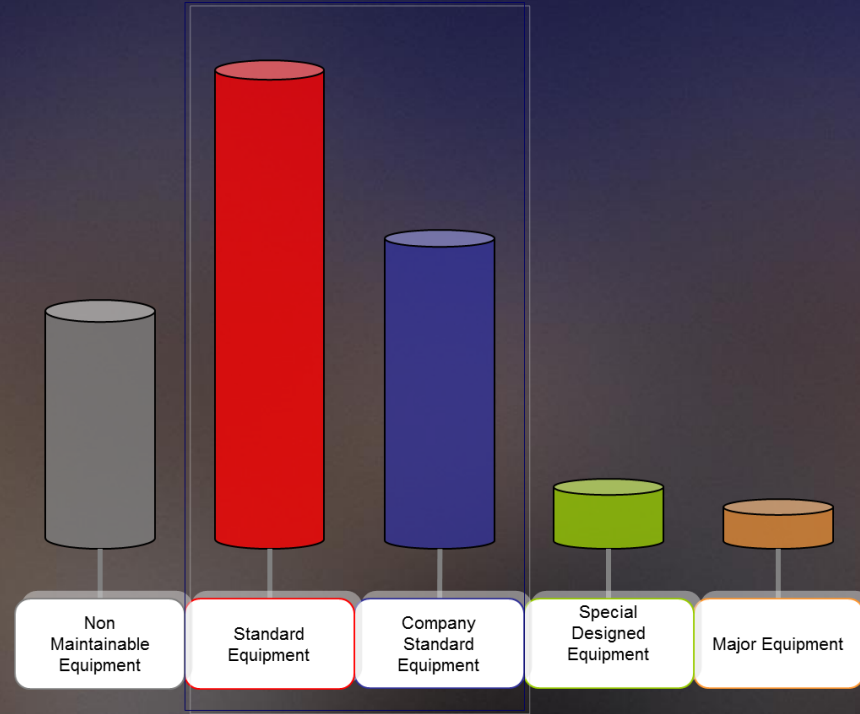
New facilities

Capture Information

PHOTO: Rune Johansen / StatoilHydro

PHOTO: Geir Otto Johansen / StatoilHydro

Capture Information

Capture Information

Existing facilities

PHOTO: Eiliv Leren / StatoilHydro

Capture Information

Tech Info

ERP Info

Operator

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Equipment type definitions

Non Maintainable Equipment
Lifting Lugs, Lines, Signals

Standard Equipment
Transmitters, Detectors, Motors, Gauges,
Switches, Lights, Cables, Outlets

Company Standard Equipment
Manual Valves,

Special Designed Equipment
Control Valves, Actuated Valves, Control Panels,
Accumulators,

Major Equipment
Compressors, Scrubbers, Vessels, Pumps, Heat
Exchangers, Distribution Panels,

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Normal breakdown

| Non Maintainable Equipment | Standard Equipment | Company Standard Equipment | Special Designed Equipment | Major Equipment |

Content – Tag and part reference

TAG Index

SPIR

Drawings

SHAREcat SPIR

Submit Index

Pre-Check

No

Pre-Approval

Yes

Recognition

Update source

Create New

Not in SHAREcat

TEKno

Not Complete

No Source

Material

Catalogue

No

Approval

Yes
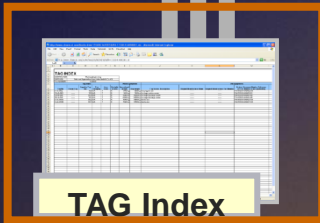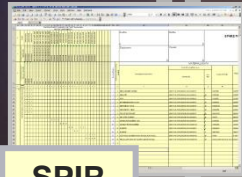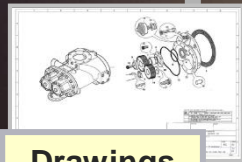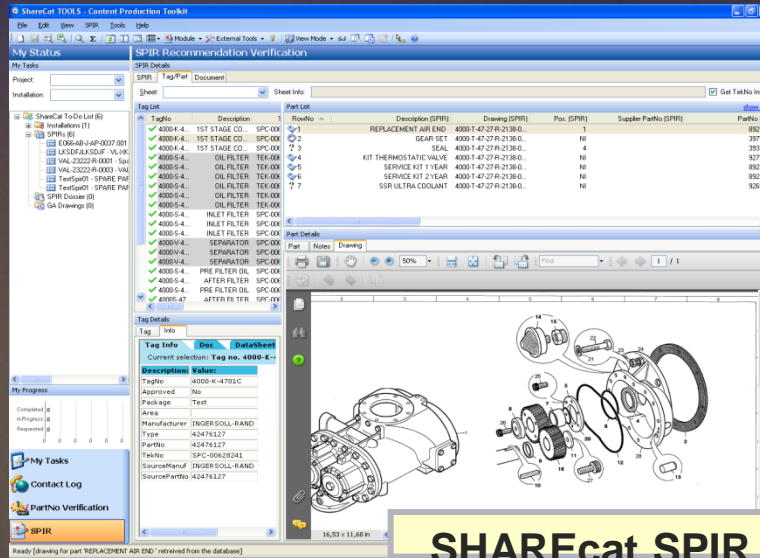
Deliver
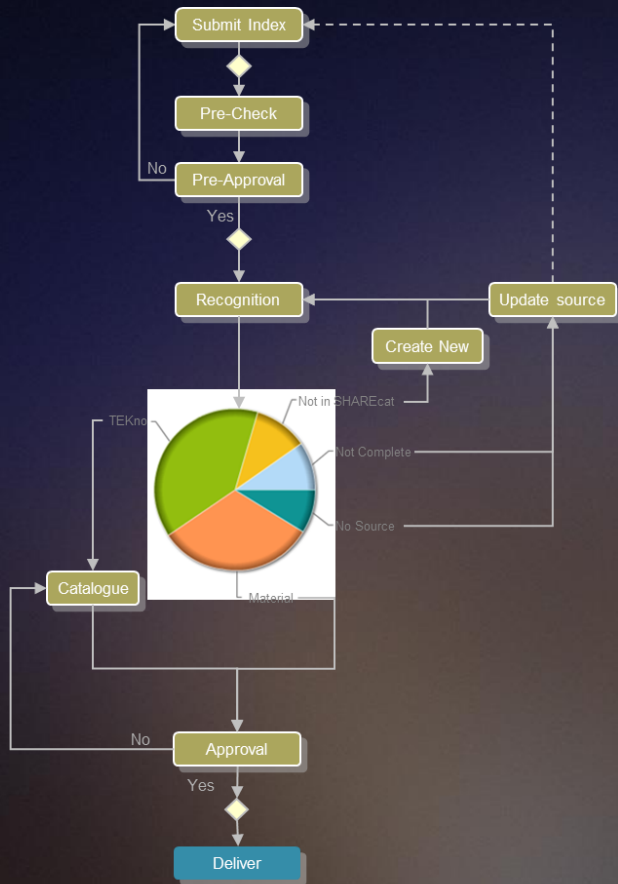
Tag index loaded by Vendor or EPC into Sharecat Portal

Content / Verification process

Equipment and Parts data recognised against SHAREcat Catalogue and third party data, categorised, verified and de-duplicated

Quality Control

Depending on Equipment and data quality – further 'source' gathering and treatment maybe required

Delivery processes through manual or automatically interfaces

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Validation of part number

Tag No	Tag Type	Source Manuf	Source Variant	Manuf Name	Type	Tek No	Req Src	Details	Source Status
73DE229	DE	ABB AUTOMATION	264GS-R-K-D-N-T-1-B2-C1-E	ABB AUTOMATION	264GS	TEK-00636214		View	
73DE259	DE	ABB AUTOMATION	264GS-R-X-T-N-T-1-B2-C1-E	ABB AUTOMATION	264GS			View	Partnumber contains error
73LG2511	LG							View	Missing source
73MX205	MX							View	Missing source
73MX206	MX							View	Missing source
73MX207	MX							View	Missing source
73MX208	MX	FLOWGUARD	FG-40-15.6-EPT-DX-C-1 1/2'	FLOWGUARD	FG	TEK-00636160		View	
73PI2510	PI							View	Missing source
73PI2540	PI							View	Missing source
73PSL2508	PSL	YOKOGAWA	EJA530A-ECS4-N0-4-DN-KU:	YOKOGAWA	EJA530A	TEK-00628030		View	
73PSL2509	PSL	YOKOGAWA	EJA530A-E-C-S-4-N-0-4-D-N	YOKOGAWA	EJA530A	TEK-00628030		View	
73PSL2538	PSL	YOKOGAWA	EJA530A-E-C-S-h-N-0-4-D-N	YOKOGAWA	EJA530A			View	Partnumber contains error
73PSL2539	PSL							View	Missing source

Document list | **Doc. requirements** | **Approval order** | **Package info** | **Tag list** | **Full doc. list**

Current selection: TI2-M021-ME-001 - Water Injection pump skid

Tag list:

All tags in this package:

Validate and correct

- Part Number templates to validate Supplier information deliveries.

- This provides a visual indication of the errors entered by the suppliers, providing instant feedback as to how to correct the problem.
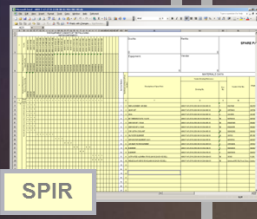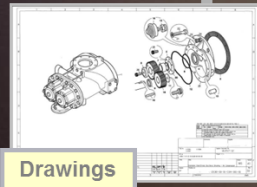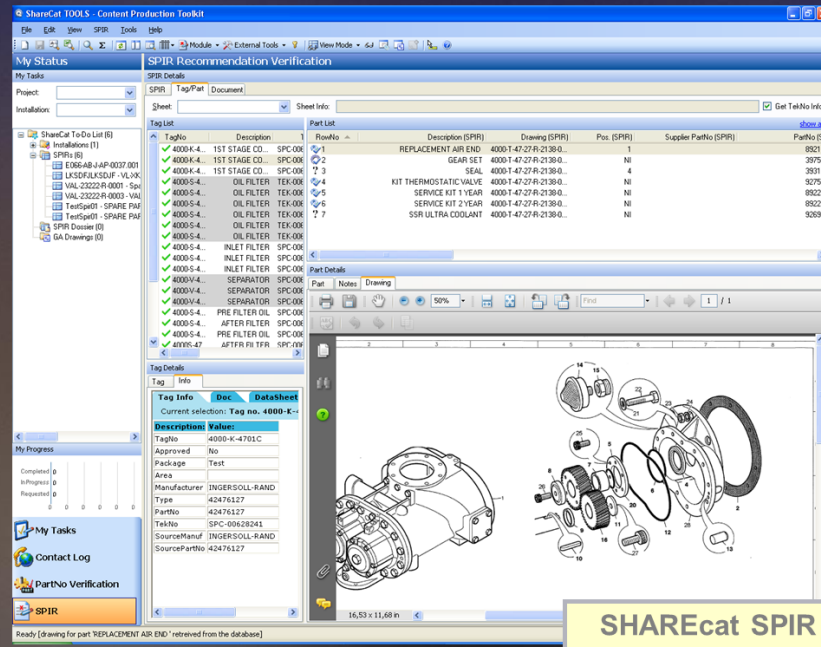
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Improve Schedule and Delivery
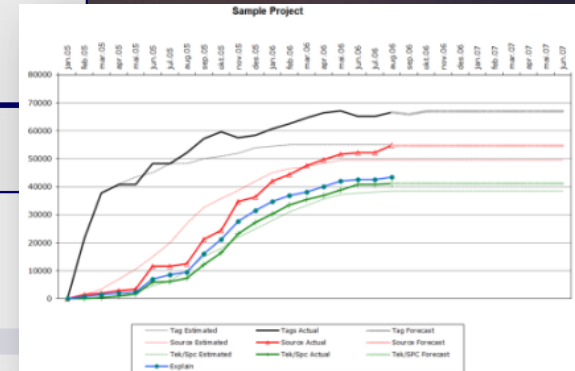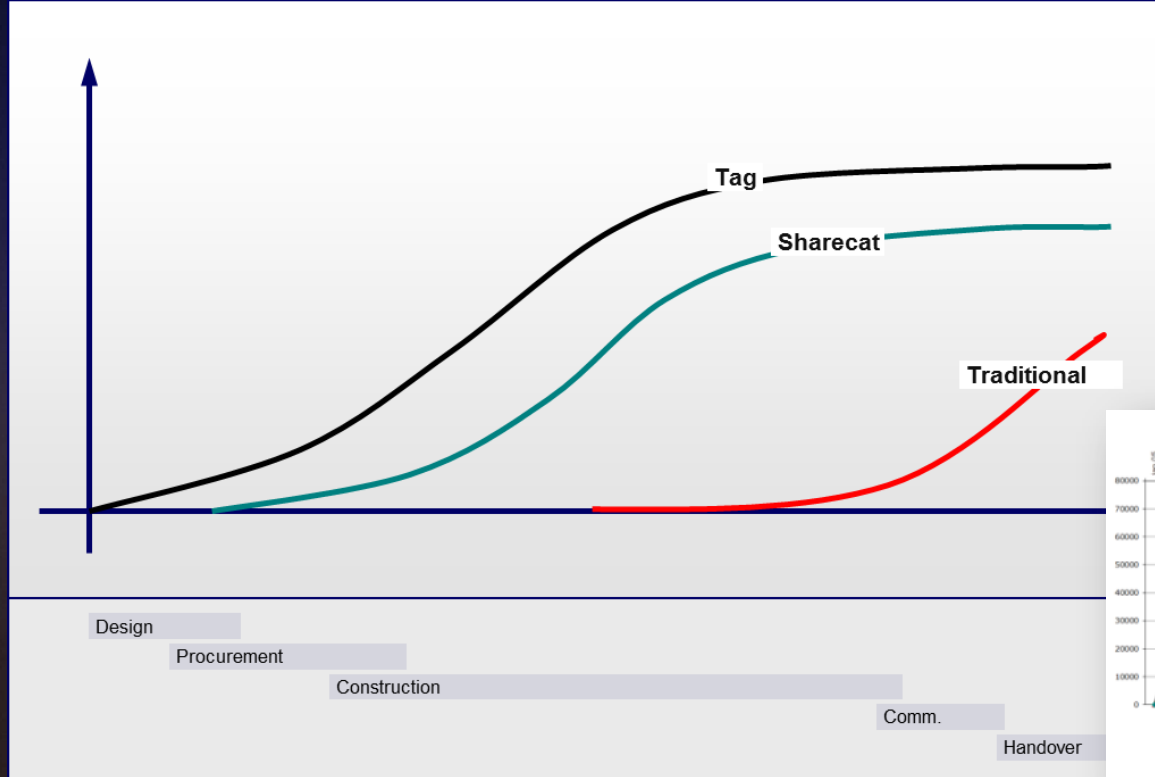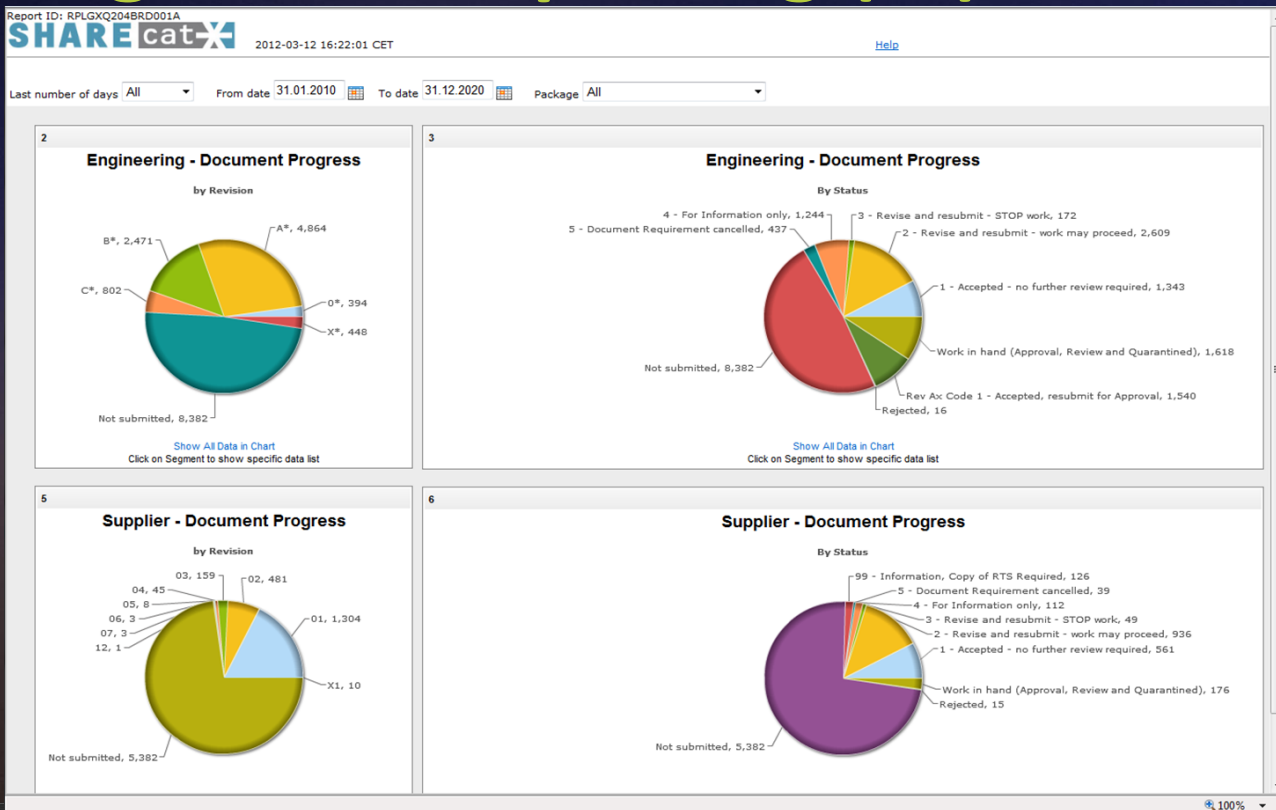
SPIR
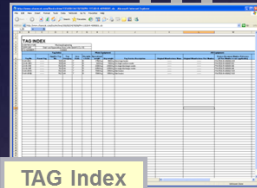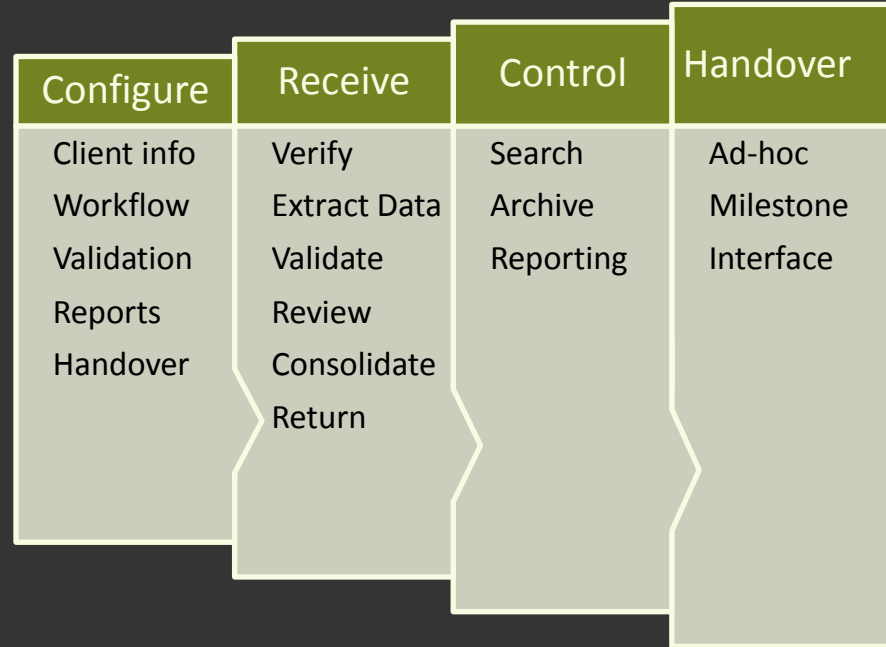
TAG Index

SPIR

Drawings

SHAREcat SPIR
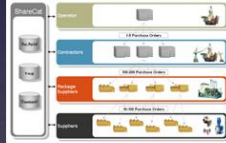
Management Reporting (BI)

Project Data & Documents

- Intelligent, rule-based workflow and validation

- Extract data from structured documents and validate against asset specifications

- Detailed management reporting gives visibility and control

- Outside firewalls to support existing systems

- Targeted view and easy user interface for Suppliers

- Information feeds into IT systems via secure standard interfaces

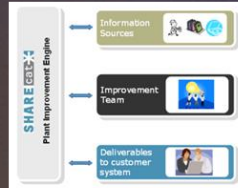- Seamless Integration with Supplier Catalogue

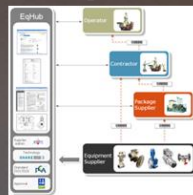| Configure	Receive	Control	Handover
Client info	Verify	Search	Ad-hoc
Workflow	Extract Data	Archive	Milestone
Validation	Validate	Reporting	Interface
Reports	Review		
Handover	Consolidate		
	Return		

SHARE cat X

Programs and integration

"How you manage information determines whether you win or lose."

Bill Gates, Microsoft

Thank you for your attention!