

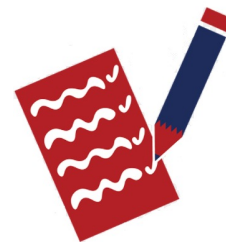
Making SPO the Master!

Integrating SPO & SPO

25 May 2021



Discussion Points



- Project Vision
- What is SPO?
- What was the business case for the SPO-SAP connector?
- Initial risks and issues?
- What was the Delivery Approach
- What is the progress so far?
- Lessons Learnt?

Project Vision



In order to reduce the misalignment of data between SPO and SAP S/4 Hana Plant maintenance, the two systems should be integrated so that an SAP FLOC starts off its life in SPO. Descriptions, location and category information is then only ever updated in SPO and pushed to SAP.

This will increase the overall fidelity of Gassco's LCI systems and lead to better data quality thus opening the doors to other digital initiatives.

SPO: What is it?



- SmartPlant® Enterprise for Owner Operators from Hexagon
- Incumbent document management system used in Gassco
- On-premise hosted system
 - Web interface
 - Windows application
- Simple Look-up from SAP currently
 - Based on a FLOC
- Not intelligent integration between SAP and SPO

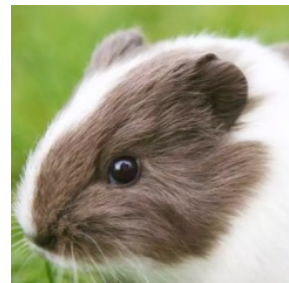
SPO-SAP connector Business case?



- Equipment was being created in two desperate systems
 - Too easy to update one and not the other
- Updates were not being replicated
- No simple way of knowing which system was correct
- People were creating their own solutions
- Led to Data Cleansing projects!!
 - Very expensive
- Overall lack of trust in the data
- No common data model – digitalization initiatives stalled

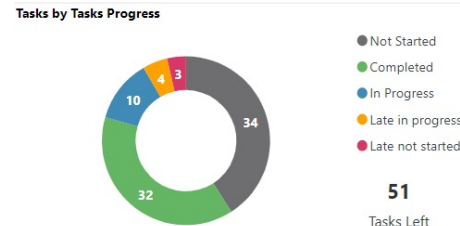
Initial Risks and Issues?

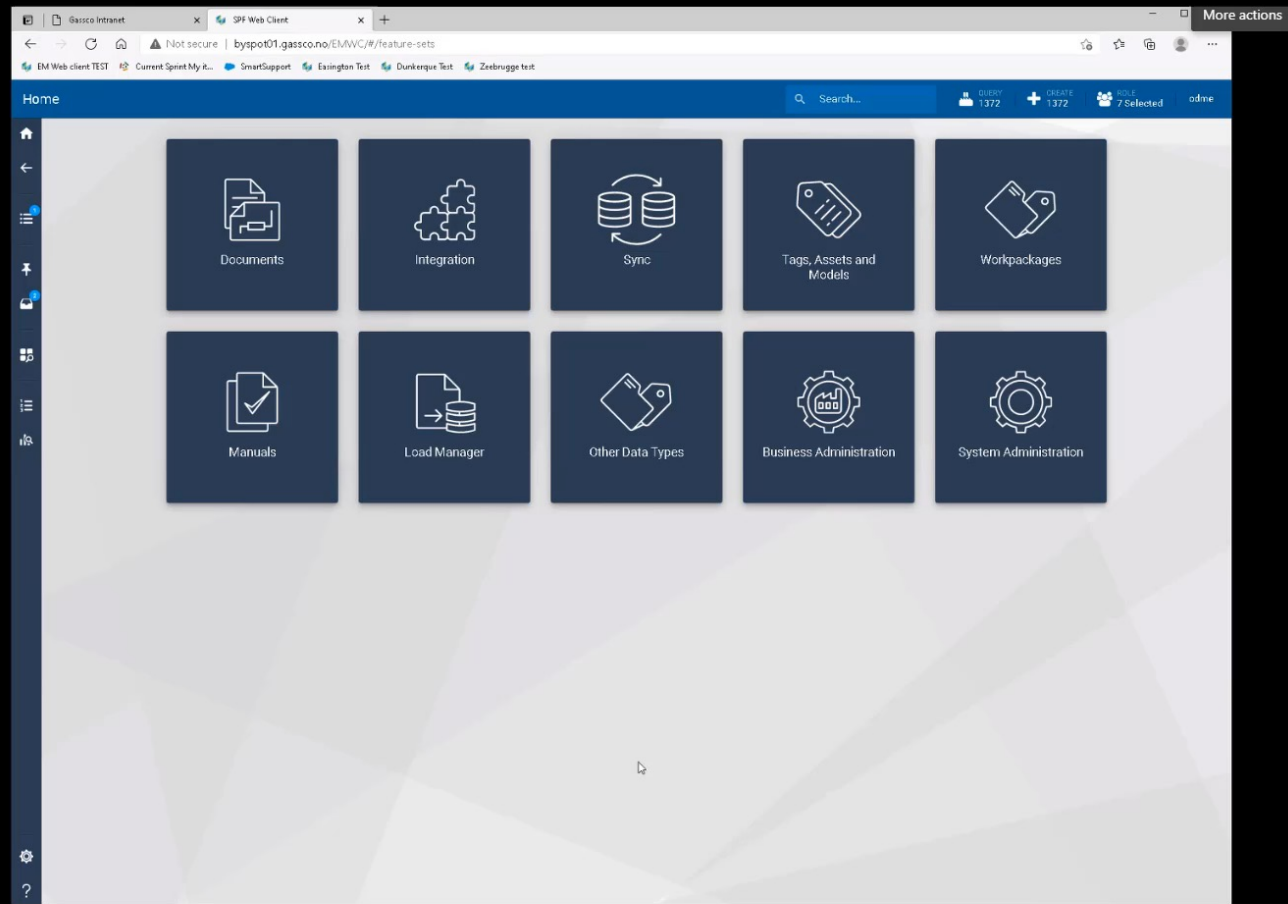
- Unproven and new connector
 - Who wants to be a Guinea Pig!
- Lots of missing Tag-Doc relationships
 - Where do we start
- Mis-aligned data even for existing relations
 - How bad was the situation??
 - We need to sync before we can make the connector live
- Ambiguous procedures and ENS standards
 - Open to interpretation
- Agreeing on a new workflow
- Covid!!!! (Teams)



What is the progress so far?

- Masses of cleaning
 - SPO and SAP much nearer to each other now
- Refined and Adapted Procedures
 - ENS changed to reflect reality
 - Users involved in these changes
- SPO-SAP Connector PoC
 - Well accepted in sandbox for one terminal
 - Rolled out to SAP DEV by end of May
 - PROD roll out for end June 2021





Creating a new tag from SPO

AW

OM

Preparation before we start synchronisation

128.371 tags in SPO

57471 INSTSAP

38614 INSTNONESAP

12636 OUT OF SERVICE

19650 HISTORICAL

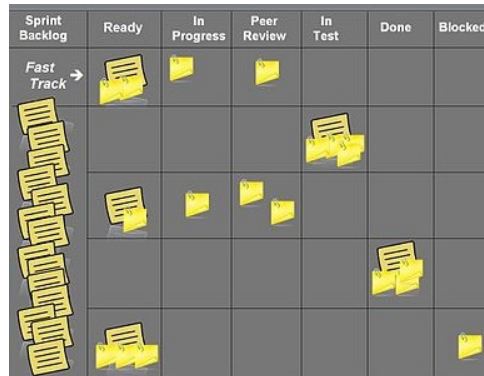
57.223 active floc's in SAP

6 common meta data fields that must be synchronised before we can start:

- Tag/Floc
- User status
- Description
- Parent tag
- Location
- SAP Category

What was the Delivery Approach?

- Small, dedicated team
- Empowered, we make our own way
 - Product owner: Steers scope
 - Total team involvement
- SCRUMBAN
 - SCRUM didn't work – Kanban did(with sprints)
- Experiment and adapt
 - Show me (don't tell me)
 - Some things didn't work
- Measure and observe and measure again
 - Constantly measure to re-evaluate against a baseline
 - Observe what worked and what didn't



Lessons Learnt?

- Need automated check
 - Connector does not show differences
- Enforce new approach
 - Need to be cruel to be kind
 - One standard – no specials
- Key users **MUST** be involved
 - They will **NOT** use the system otherwise
 - They need to own the system
 - Trust “good ideas” and believe in the team
- Don’t try and solve up front
 - You will fail!!
 - Experiment and adapt

