

Intro to spare parts



Why spare parts (and their organization) are so important

1. Gas systems operation should be ensured 24/24h 7/7d → we must be 100% sure to have spare parts available and easy to find
Example this week: missing spare for FESTO module
2. We need to track where spare parts are used. It could indicate critical components for maintenance
Example: <https://its.cern.ch/jira/browse/GASSYSTEMS-196>
16 pumps ordered 2 years ago, but only the use of 3 is traceable from the elog:
<https://eloggas.web.cern.ch/GASSYSOperationMaintenance/5171>
<https://eloggas.web.cern.ch/GASSYSOperationMaintenance/4896>
3. We need to have a stock of consumable components (like connectors) to overcome shortage or similar issue, but also to track for which project they are used
Example: too many orders and M&O budget used for order with « ALL » tag. Material is used for project and then not ordered by the same responsible with the tag of the project.
Consequence: impossible to recuperate the full budget used for a project
4. Exclude risk of losing components or spend quite some time to look for and find them
Example: khrono, compressor, valves, ...



Where we are

Many discussions in the past few years

Last one in March 2024:

<https://indico.cern.ch/event/1391134/>

Two level intervention

1. Stock for “big” and/or expensive components not used for the everyday activities
→ it can be the one located in Bldg26
2. Stock for small pieces frequently used
→ It must be closer to the workshop → in the workshop
→ Taking back the proposal from Patrick: « Patrick’s magasin »



How to proceed

Step1:

For small:

what we put in the « magasin » ?

Software implementation with infor

For « big »:

Check material present and update the inventory

Step2:

For small:

Setup the area: it should be closed with access with badge

PC/software/scanner

For « big »:

Resume PC

Organization:

Fred for the mechanical components (?) 10% of time

Patrick for the electrical components (?) 10% of time

« small stock in workshop »: list of what we put (to be prepared with the help of the full team)

« big stock in Bldg26 »: check status

Andrea for the preparation of the small stock area (?) 10% of time

Filippo/Paolillo for Software/infor setup 50% of time

I propose to have an update:

- When needed during one of the coming meetings
- September 26th from Fred, Patrick, Andrea, Filippo/Paolillo



Demonstration about using EAM/Infor

Demonstration → Filippo