

OSART Good Practices

LONG TERM OPERATION

Technological obsolescence management

Paluel, France

Mission Date; 20 Sep.-7 Oct., 2021

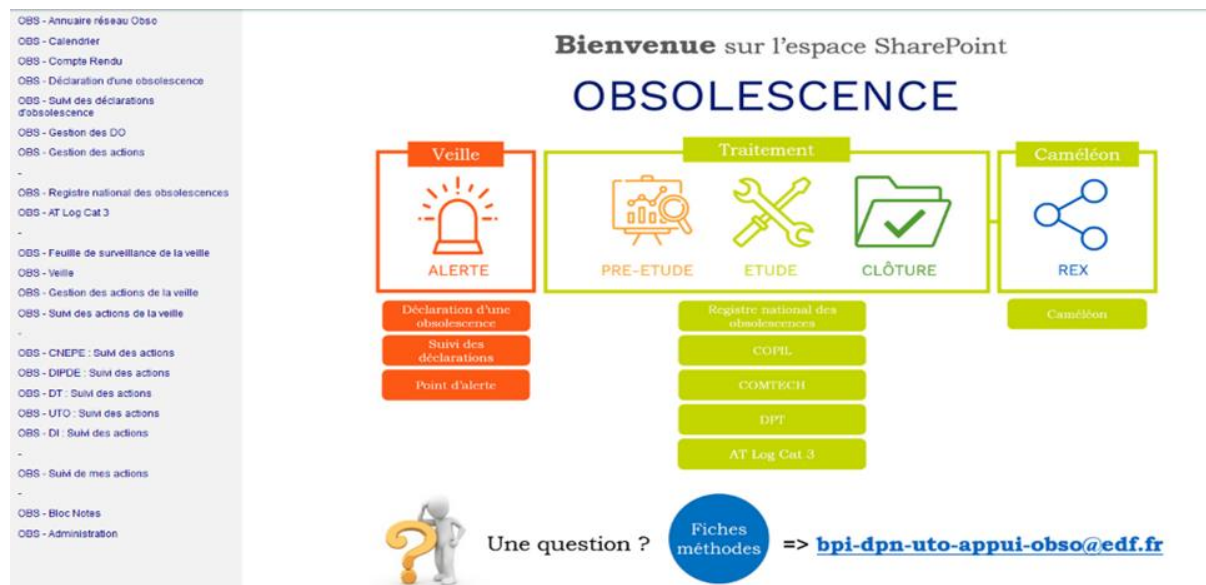
Technological obsolescence management using specific software programme.

Objectives:

Introduce proactive approach to obsolescence management, through timely identification, recording, prioritization, decision making and timely resolution of obsolescence related issues, working throughout all organizational levels.

The system is set up using the SharePoint software and is accessed by personnel of all stakeholders: plant personnel, Engineering Centers, corporate personnel, EDF SA. It consists of three steps: monitoring, processing the alert and using operating experience feedback from the 'Cameleon' database.

The system has several roles: identification and prompt initiation of obsolescence alerts, status monitoring, cross-disciplinary involvement for issue prioritization and issue resolution and consideration of operating experience feedback.



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An alert can be raised by any staff member from any workplace. The software allows items to be grouped using a drop-down menu and the alert record form to be completed using the following criteria:

- Equipment items concerned, plant series, source, date discovered, originator's name;
- Technical and logistical data;
- Impact on nuclear safety / event, safety classification, AP913, maintenance required, assessment of issues, prioritization;
- Potential mitigating measures, if identified (recovery, life-time stock, repair,

- procurement contract, etc);
- Status of the request (awaiting action, being analysed, etc);
- Summary records of the formal discussions in technical committees;
- Associated documentation with a link to the EDF documentation database;
- Reflex action sheets: obsolescence report, initial characterization, monthly alert review briefing.

This tool acts as a corporate obsolescence register. It can track actions related to operational divisions (person responsible, deadline, deliverables) and makes best use of the method (reflex-action) sheets.

The software contains information about the document management (process memo, deliverables, reports, etc.) via interfaces with the ECM (the IT system that manages documentation).

The plant has carried out benchmarking with the Arianespace and EuroCopter companies, who decided to copy the system.

Each year, the sites report 120 obsolescence alerts, resulting in 35-40 case files for managing obsolescence.

Benefits:

This tool acts as a single and national obsolescence register. It can track actions related to operational divisions (person responsible, deadline, deliverable) and makes best use of the method (reflex-action) sheets. Thanks to easy access and user friendliness of the tool, the number of obsolescence alerts issued annually by the plants has increased from 22 in 2018 to 120 to date.

In addition, the tool enables more frequent and more efficient review of new obsolescence issues and follow-up of related actions. The processing time is shortened to about one month to address a new issue, instead of three to six months before the implementation of the tool.

The intranet based system documents the papers (process memo, deliverables, reports, etc.) via interfaces with the ECM (the IT system that manages documentation).