Offshore & onshore REliability DAta (OREDA®) Current challenges and presentation of the new digital handbook

Nicolas Clavé, Reliability Specialist (TotalEnergies)
OREDA JIP Steering Committee Chairman and ISO/TC67/WG4 Expert

5th ISO Seminar on International Standardization in the Reliability Technology and Cost Area

Hosted by TotalEnergies, Paris, France - 1 December 2022

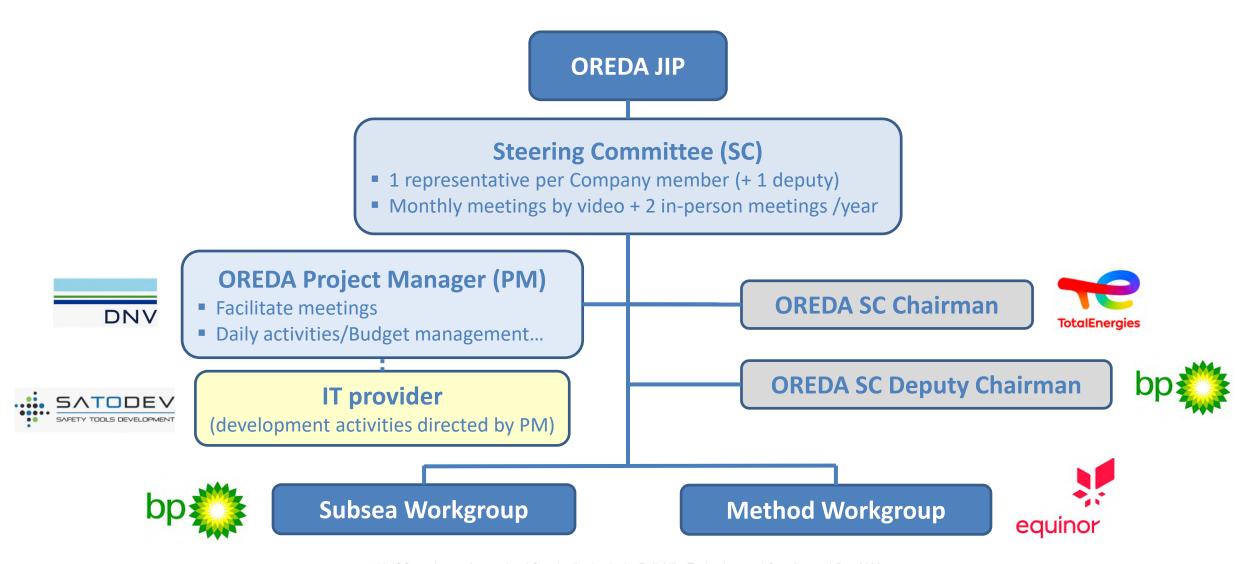




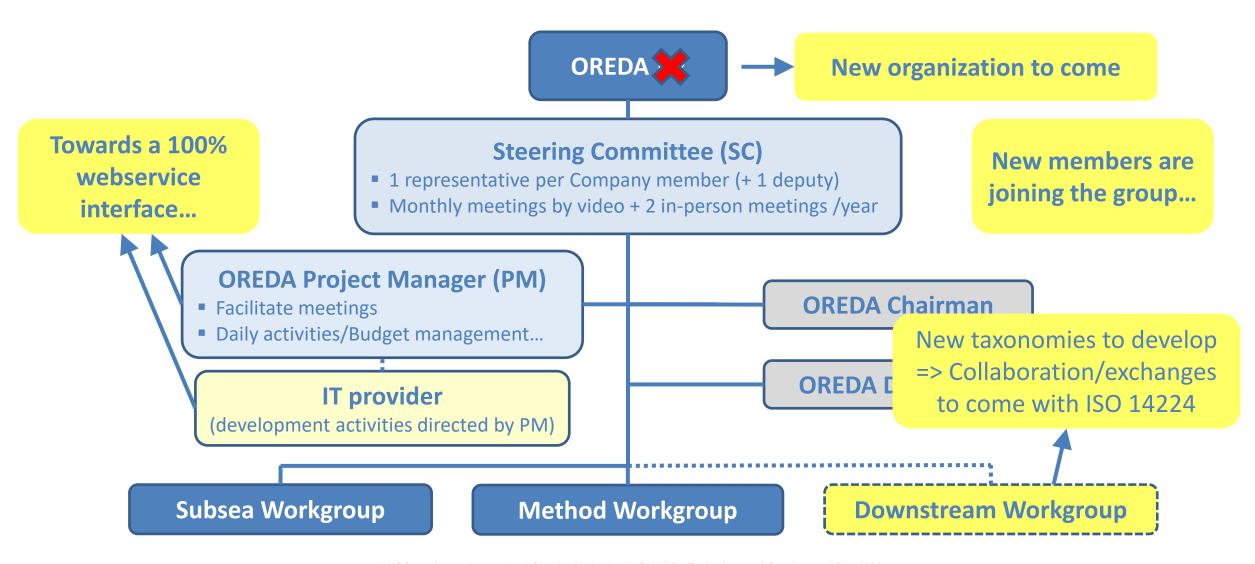
What is OREDA?

- OREDA = Offshore and onshore REliability Data.
- JIP established in 1981.
- Main objective: Build and maintain a high-quality reliability database on offshore, onshore and subsea equipment used in Oil & Gas E&P.
- Forum for exchange and development of reliability methods and know-how within the oil and gas industry, production of ISO Standards and API.
- Cradle of ISO 14224, ISO 20815 and ISO TR 12489.
- Current members: Eni, BP, Petrobras, Gassco, Equinor, Modec Do Brazil and TotalEnergies.
- Main principle: Each Company member provides each year a certain amount of data collected on its own assets and then, all these data are anonymized and aggregated in a common database.
- About 18,500 topside eq. units (offshore and onshore) and about 3,000 subsea eq. units.

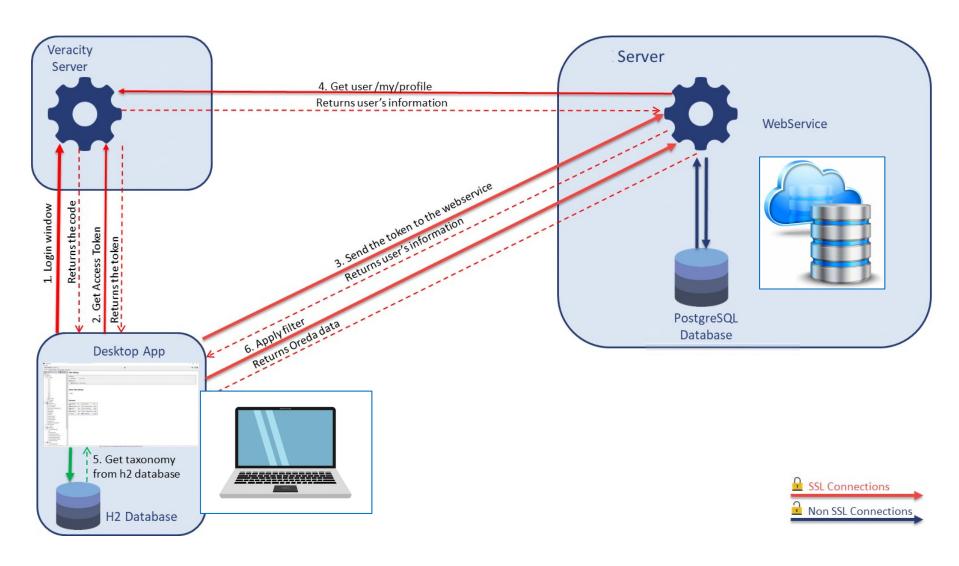
OREDA current organization



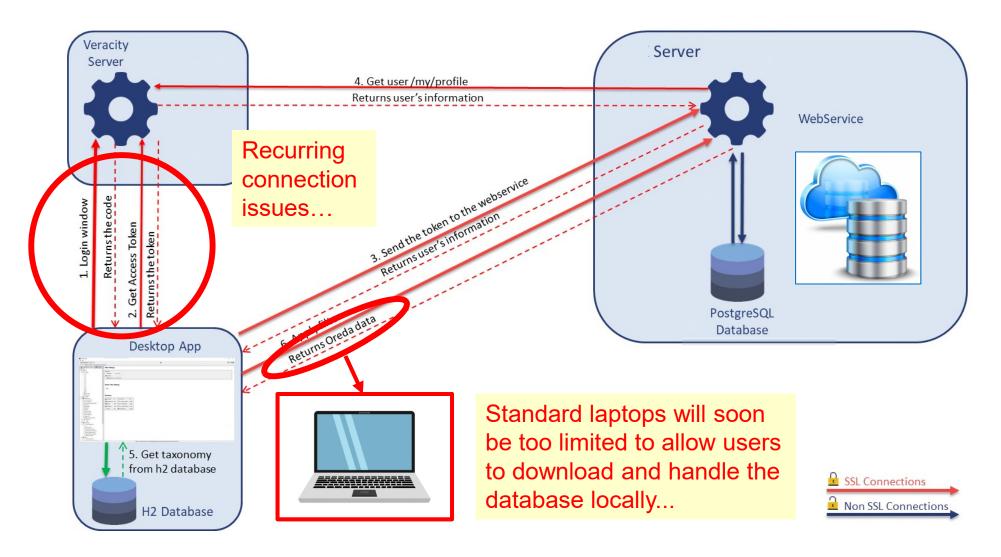
Main current and upcoming challenges



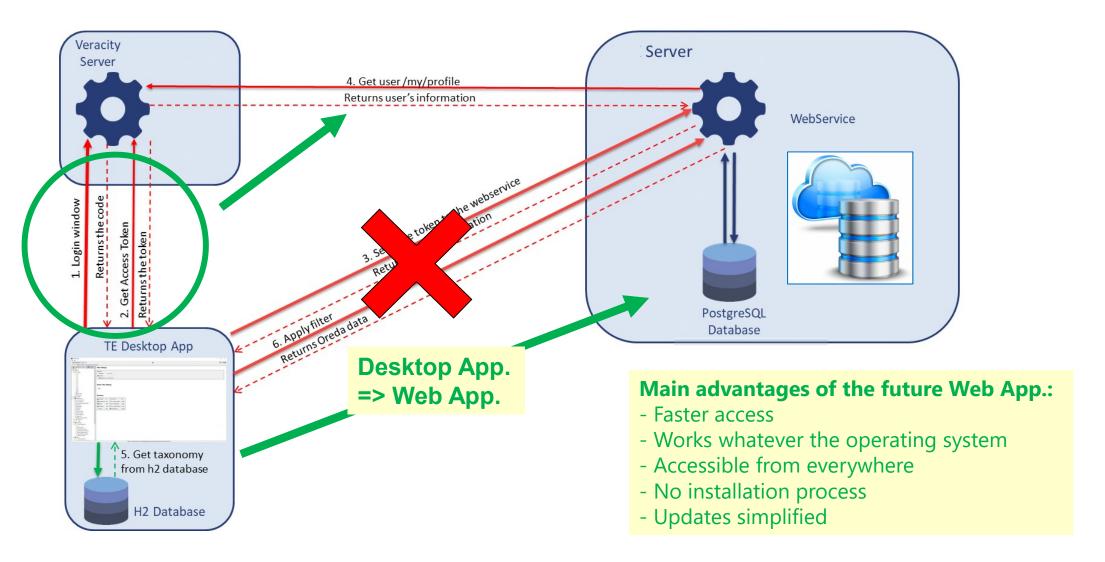
New digital handbook issued in 2020



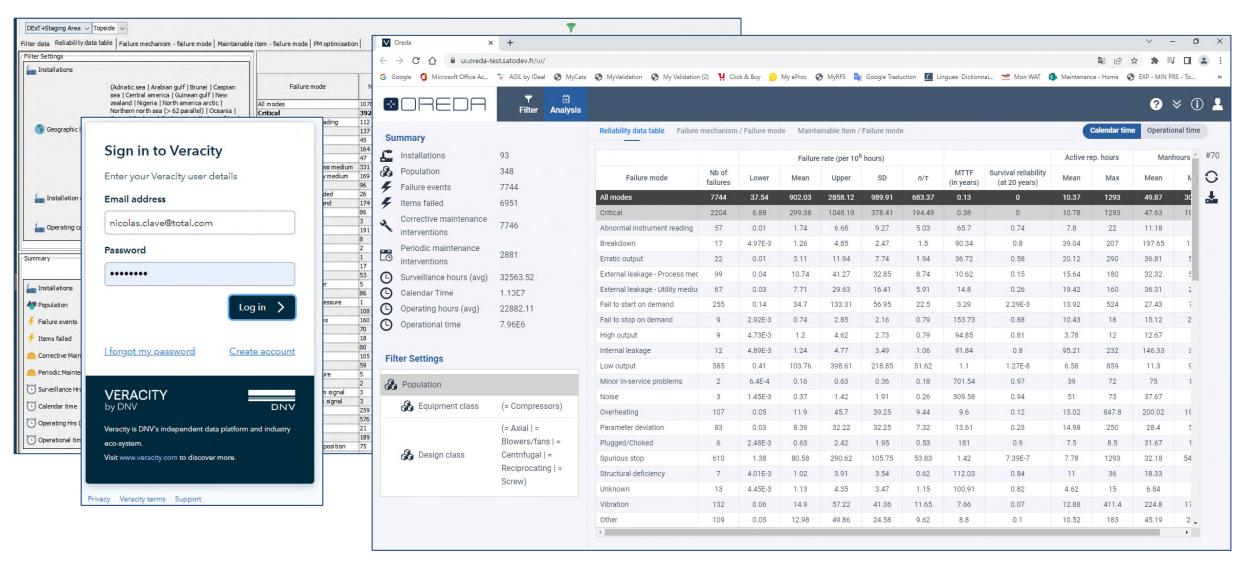
New digital handbook: Current and upcoming issues



Towards a new IT solution in Jan. 2023



New Web App.: Validation in progress



Q&A