

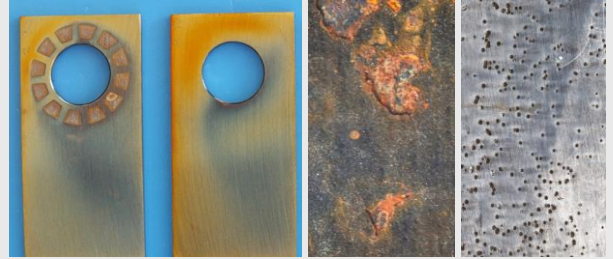
# EXCOR

EXTREME CORROSION SUITE [TECHLAB]



## THE TECHNOLOGY

Product to support material selection and integrity management in tubulars and pipelines covering full lifecycle, with 3 applications: database with tests & standards [EXCOR DB], modelling tool applying rigorous models to provide corrosion/erosion rates [EXCOR ACE] and Python libraries [EXCOR ECO] ready for operation digital tools.



## MAIN FEATURES

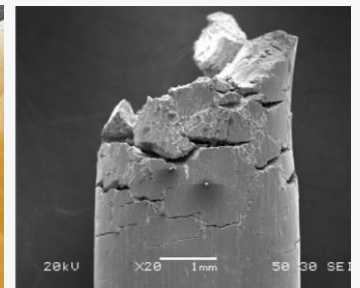
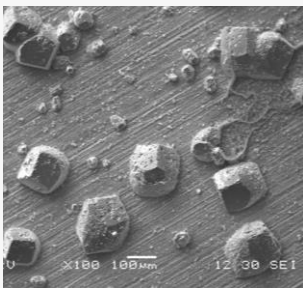
**Automatized, faster & more accurate corrosion/erosion predictions.**

**EXCOR DB:** Unique tool including 12 metallic materials in O&G systems and more than 300 proprietary tests [CO<sub>2</sub>/H<sub>2</sub>S, localized, SCC corrosion and erosion].

**EXCOR ACE:** Multiphase [Oil/gas/water] vs single phase [water] applied by others.

**EXCOR ACE:** Proprietary CO<sub>2</sub> corrosion model for CS/13Cr & SPPS erosion model more accurate than market [e.g. commercial corrosion models, API RP14E].

**EXCOR ECO:** Enables RT for operation monitoring, decision making & predictive maintenance.



## MARKET OPPORTUNITY

The global cost of corrosion amounts to around USD 2.5 billion (3.5% of the world's GDP) annually, and it is estimated that corrosion prevention and control practices can save up to 35% of these costs (USD 875 million).

The O&G pipeline market value amounted to USD 3.6 trillion in 2022 and is estimated to grow at a CAGR of 3.5% to USD 4.8 trillion by 2032 (an 80% corresponds to gas pipeline).

The global corrosion protection market is around USD 10,000 million and is estimated to grow at a CAGR of 5% to USD 17,000 million by 2032.

The opportunity is to license the technology to enable analyzed corrosion/erosion rates and support material selection and integrity management in tubes and pipes covering the complete life cycle. For any further information, please contact Mr. Alba Cabrera Evangelista [albadaniela.cabrera@repsol.com](mailto:albadaniela.cabrera@repsol.com)

## ABOUT REPSOL

Repsol is a **global multienergy provider** working to drive the evolution towards a low-emissions energy model. **Repsol employs over 25,000 people**, operates across 34 countries, and sells products to 10 million customers in more than 90 countries. Repsol Technology Lab **is the landmark of innovation** for Repsol and an example of one of the most cutting-edge private R&D models in Spain.

