

27 May 2019

Key messages

- Hempel is continuously working on reducing the cost of ownership for our customers by reducing the negative effects of premature corrosion
- Hempel has participated in a consortium project (INNOPAINT) where novel ways to improve the anticorrosive properties of coatings have been explored

INNOPAINT – Development of smart and multifunctional anticorrosive coatings

During the last 30 months, Hempel (Pinturas Hempel SA) has participated in a consortium project called INNOPAINT, in collaboration with TOLSA group, Centro Nacional de Investigaciones Metalúrgicas (CENIM-CSIC) and Centro Tecnológico de Componentes (CTC). This initiative is part of Hempel's focus on prolonging the lifetime of steel coated assets in highly aggressive environments, reducing the cost of ownership for our customers and minimising the environmental impact that premature corrosion can generate. The purpose of INNOPAIN has been to explore novel ways to improve the anticorrosive properties of coatings by enhancing its barrier and inhibitor capabilities. New self-healing and self-sensing techniques have been explored in combination with the screening of advanced nano materials. The result has been promising and will require further work before considering its commercial use.

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