

CHALLENGE 2

Protect bolt head and nuts against corrosion after torque application



Background

Bolted connections in offshore applications are exposed to aggressive environment and need a robust corrosion protection. This corrosion protection might lose its effectivity or can be damaged over time by some impact, e.g. mechanical impact of tools. One of the original corrosion protection might be paint, which requires some effort to restore a full effective corrosion protection, once it is damaged.

The Challenge

This project is asking for a solution to protect the bolt heads and nuts against corrosion after and during torque application.

Desirable features:

Clean up a bolted connection as preparation for further application of any corrosion protection, but applied process has to ensure to reach required stage of preparation. Apply corrosion protection in a subsequent step. Process has to ensure sufficient amount and coverage of protecting material.

