VICODA®

SUCCESS STORY

INDUSTRY, AREA OF PIPELINE CONSTRUCTION

Damping of a pipeline, offshore area, Norway

PROJECT DATA

Brief description

Minimizing vibrations on a pipeline underneath an offshore platform.

Project duration

10 weeks

Product Data Damper

Quantity:	2 polybutene dampers incl. pipe clamp
Resonance frequency:	3 Hz
Ø Pipes:	DN900

PROJECT DESCRIPTION

A vibrating piping system underneath a production platform in the North Sea was to be damped with a viscoelastic damper. The climatic conditions (waves and salt spray) placed the highest demands on corrosion protection and thus on the proper functioning of the dampers during their service life. Typical standard steel materials did not meet the necessary requirements.

SOLUTION

Due to the position of the damper in an extremely corrosive atmosphere, it was necessary to manufacture the damper and the pipe supports from duplex stainless steel.
A calculation of environmental conditions showed that the damper could also be hit by waves in this area. In order to prevent water from entering the damper, it was fitted with an additional sleeve.

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