



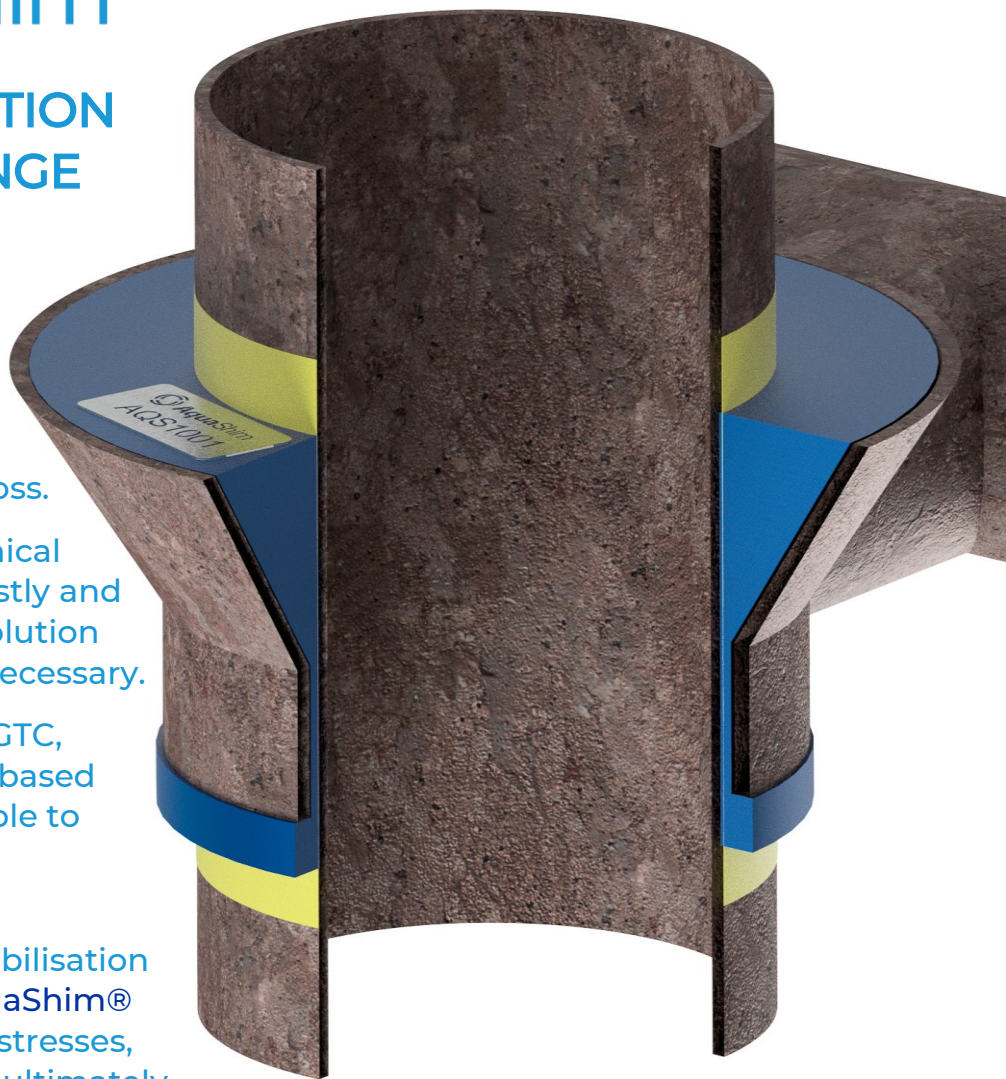
SOLVING A STABILISATION & INTEGRITY CHALLENGE

Significant lateral forces from repeated wave action create unique challenges for caissons and conductors; movement within the guide frame over time leads to impact damage, potential fracture and eventual loss.

Traditionally engineered mechanical shims and centralisers can be costly and may only provide a short-term solution before repair or replacement is necessary.

Developed in association with OGTC, AquaShim® is a polyurethane-based system which is quick and simple to install and requires zero lifetime maintenance.

Providing low cost, long term stabilisation for caissons and conductors, AquaShim® halts deterioration and localised stresses, reduces vibration and noise, and ultimately extends asset lifecycle.



Cost-effective, simple, reliable.

Minimum 15-year lifespan

Requires no specialist transport, heated containers or storage

Zero lifetime maintenance

Low temperature installation



PRODUCT ADVANTAGES

Absorbs environmental impact loads

Eliminates further fretting damage

Simple, rapid, low cost installation

Allows free vertical movement of tubular

Vastly reduces noise & vibration at well-head

Does not work loose over time

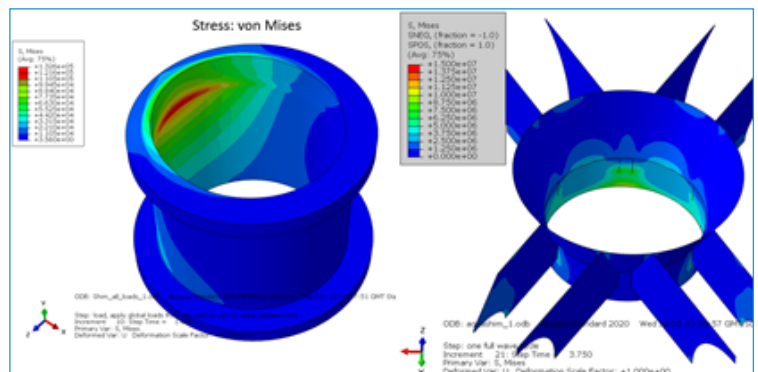
ENGINEERING ASSESSMENT

Fully engineered, tested & proven for operation in harsh environments

Detailed assessments completed to client requirements

Up to 50% reduction in localised stresses induced in the guide

Facilitates even distribution of loads into structure



POURED AquaShim®

Year-round installation

Fast installation by qualified technicians

24hour cure time

Zero material shrinkage ensures snug 360° fit

PRE-CAST AquaShim®

Topside & Subsea application

Subsea installation using AquaCLAM® or divers

Engineered to suit any guide geometry

Significant lifecycle savings over alternative shim solutions

