

A large red Tri-Strakes Lite system is shown installed along a pipeline, extending from the foreground into the distance. The system consists of multiple overlapping, trapezoidal sections that create a series of V-shaped strakes. The background is a deep blue, textured surface, possibly representing the seabed or a large body of water.

Stackable & lightweight vortex induced vibration suppression

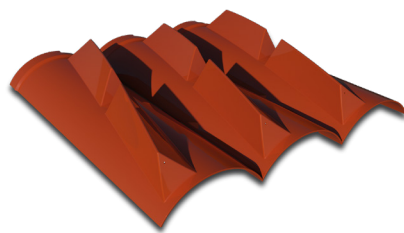
Tri Strakes® Lite

Pipelines unsupported over free spans, such as steel catenary risers and rigid steel flowlines, are prone to vortex induced vibration (VIV) fatigue, which can cause serious performance issues such as pipe girth weld failure or premature pipe malfunction.

Developed in response to market demand, the Tri-Strakes® Lite is a high quality, cost-effective VIV suppression system manufactured by CRP Subsea. The system consists of overlapping and interlocking mouldings, with three-start helical strakes to provide an effective triangular or trapezoidal strakes profile.

Working with polymers across a number of technologies and industries, CRP Subsea was able to use insight and innovation to improve packing and handling factors using best-value engineered solutions. The innovative manufacturing process means that the Tri-Strakes® Lite can be produced up to six times faster than systems manufactured using traditional techniques, ensuring shorter lead times.

To perform at every level, CRP Subsea built up a wealth of in-house VIV knowledge through consultation with industry renowned hydrodynamicists, alongside computational analysis. Physical hydrodynamic testing combined with in-house impact, axial slip and load bearing capacity testing has produced a hydrodynamically efficient and load bearing capable product. All materials and geometries used are fully qualified for long term subsea use.



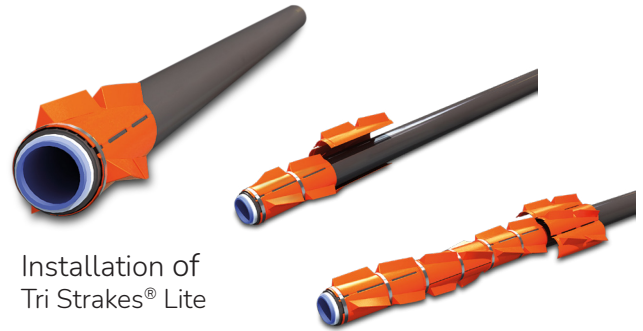
Each section of the system has been designed as a single, lightweight component, enabling quick and easy pre-install onshore or install offshore. The design permits the system to be stacked efficiently during shipping, ensuring more efficient and cost effective transportation and installation.

Benefits

- Cost effective, high density packaging
- Light weight and easy to handle
- J-Lay load bearing capacity
- Temperature resistant up to 90 °C / 194 °F
- Qualified geometry and materials
- Quick installation
- Available in a wide range of colours

Applications

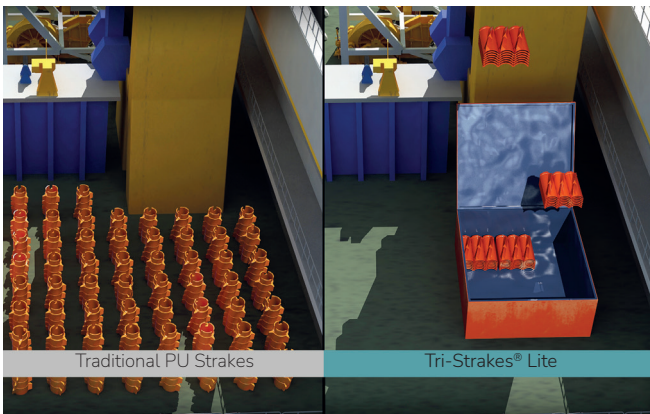
- Risers
- Pipelines



Installation of
Tri Strakes® Lite

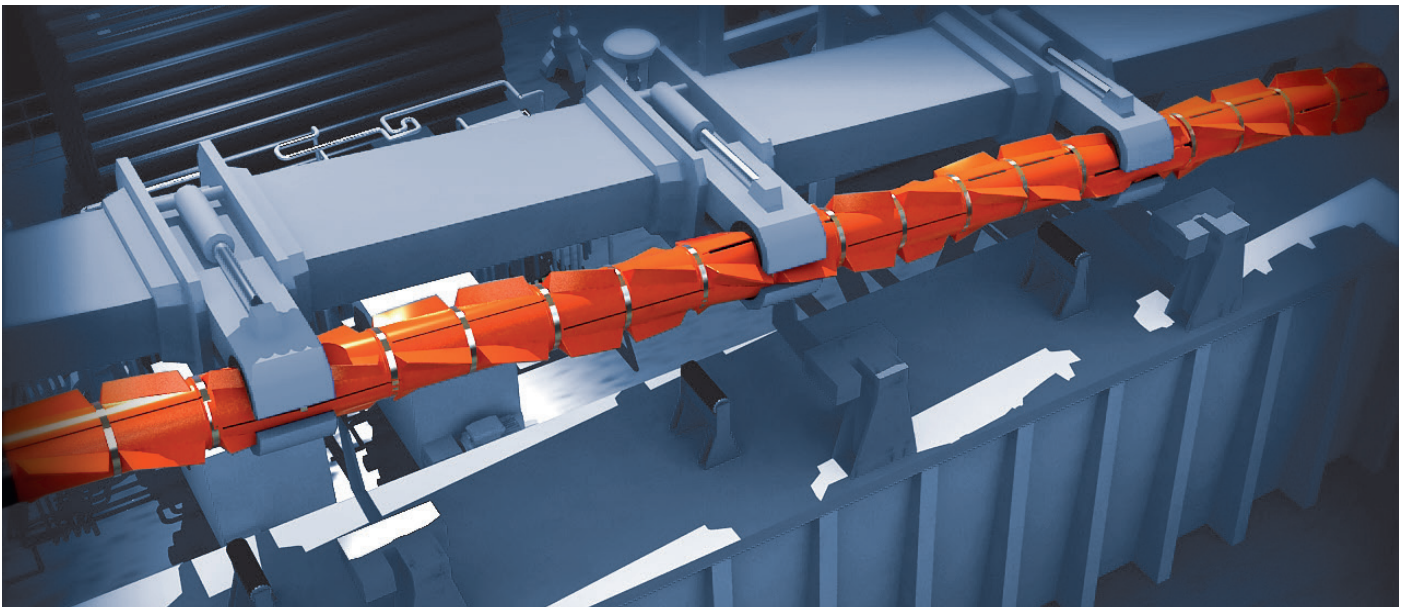
For a highly resilient vortex induced vibration suppression solution take a look at our Tri-Strakes® Stinger product at:
www.crpsubsea.com/tri-strakes-stinger

For a combination of the stackability of the Tri-Strakes® Lite with the load resilience of the Tri-Strakes® Stinger take a look at our Tri-Strakes® Combi product at:
www.crpsubsea.com/tri-strakes-combi



Traditional PU Strakes

Tri-Strakes® Lite



CRP Subsea delivers innovative and reliable offshore solutions that maximise business performance to meet your needs. Our dedicated and highly skilled staff are always on hand to provide seamless process support from initial idea, through to delivery and beyond.