



Benefits

- Permanent alternative to welded sleeves
- Engineered solution for guaranteed fix



Application of Composite Wrapping

- Industrial Plants
- Off shore platforms
- Pipelines
- Vessels
- Tanks



Our Resources

- Team of Trained and Competent Composite Wrapping Personnel
- Experienced Personnel
- Complete Composite Wrap Inventory for any problem



Onshore & Offshore

TGCL has been actively pursuing and attaining composite wrapping projects in the onshore and offshore markets.



Research and Development

Our company is always monitoring emerging composite wrap technologies in the petrochemical industry for breakthroughs gaining an innovative edge on the competition.

Our Composite Wrapping services are widely used to stop and repair external corrosion, dents, gouges, erosion, or other defects in piping systems with Treant General Contractors Limited field applied composite solutions. Restore piping systems to their Maximum Allowable Operating Pressure (MAOP) regardless of surface irregularities (welds, dents, sleeves etc) piping configuration (tees, ells, reducers) internal or external wall loss. Complete and permanent repairs can also be made to vessels, tanks, welds and infrastructure components such as bridge columns, pilings, and poles.

TGCL composite wrap systems meet the engineering design requirements of DOT, ASME B31.4/31.8, and ASME PCC-2 and provide our clients with a permanent repair alternative to welded sleeves, bolt on repair clamps and or pipe replacement.

TGCL Composite Wrap for pipeline repair allows plant owners and operators to restore corroded or eroded pipe and piping systems to original design without the expense and hassle of extended down-times.





NRI'S Carbon Fiber, Fiberglass & Aramid Composite

Reinforcing Systems NRI's core business focus is in the development and manufacture of moisture-curable composites for the retrofit and reinforcing of defects and anomalies in pipelines as well as civil structures. With help from NRI, our clients can restore and protect their assets that are degrading or in jeopardy of failure. NRI provides the perfect solutions for in-service repairs, allowing its clients to continue operations in a quick and reliable manner. NRI products are used internationally and serve a broad range of markets including: oil and gas, industrial, marine, municipalities, mining, construction, and utilities.



ICR's Technowrap Engineered Composite

Solutions supports clients with a wide range of pipework, pipeline, caisson, structural and asset integrity challenges. Their range of Technowrap™ technology offers complete repair and structural re-enforcement solutions which are safe, flexible, practical and cost-effective.



Composite Wrap Systems



STOPAQ supplies a wide range of green visco-elastic solution to protect assets from corrosion and water ingress. Our visco-elastic coatings & sealants are used in many versatile applications ranging from pipelines to sub-sea piles and from rail to cable joint protection and are marketed world-wide as such. The applications for the STOPAQ® visco-elastic product systems range from onshore & offshore, field & factory applied to sub-sea and above ground in the most extreme climates.



Aquawrap is a low cost composite system to use in repair and reinforcement of existing mechanical systems, structures and piping. In the design process it is used to halt and encapsulate external corrosion and restore structural integrity to piping. Aquawrap® is the product of choice when installing in wet or underwater conditions. It can be applied and fully cured under water. It is best suited for structural reinforcement applications where it can be wrapped around an object, rather than flat surface repairs. It replaces hoop and axial strength to piping to restore its original capabilities. It is also effectively used to reinforce piers, pilings and infrastructure supports for concrete remediation projects.