

3X ENGINEERING

COMPOSITE REPAIR

SOLUTION FOR STRUCTURE REINFORCEMENT

HL C J J C O

Any structure designs



Any structure sizes



Any weather conditions



Any environments



Any industries



REINFORCEKIT® BEAM

Finite Element Analysis (F.E.A) design



STRUCTURAL

COMPOSITE WRAPPING

LONG-TERM REPAIR

KEVLAR TAPE

ANTI-CORROSION

EPOXY RESIN



METAL INSERT

INNOVATIVE REPAIR SOLUTIONS FOR YOUR INSTALLATIONS

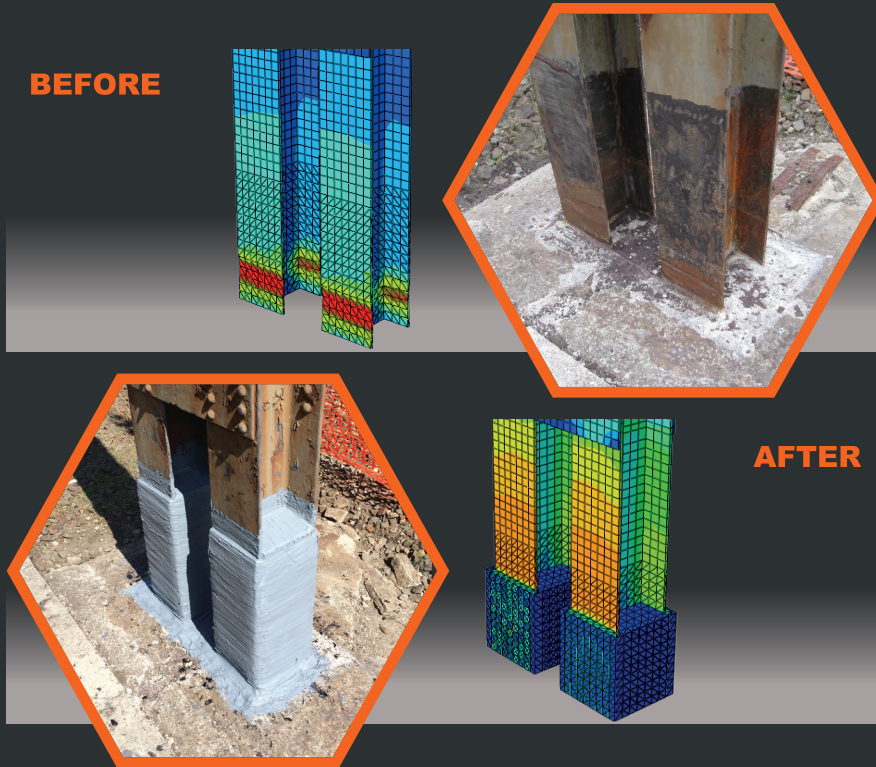
REINFORCEKIT® BEAM is a high-performance repair system to renovate any kinds of corroded structures and restore original integrity, making it even stronger than original one.

It is suitable for any structure designs (poles, beams, deck structures and platings ...) without size limitation.

This technology is a combination of metal inserts and composite wrapping made of Kevlar® tape and bi-component epoxy resin.

REINFORCEKIT® BEAM is a patented concept co-developed in partnership with SNCF (French National Railway Company) initially designed to reinforce catenary supports in Railway industry.

REINFORCEKIT® BEAM CONCEPT



REINFORCEKIT® BEAM MAIN FEATURES & BENEFITS

- Repair solution for corroded structures
- Anti-UV and impact protection
- Any structure designs and sizes
- Tailor-made product for your structure design (Finite Element Analysis)
- Long-term repair (20 years minimum)
- High-quality product certified (many decohesion and mechanical tests performed)
- Cost-effective (structure replacement avoided)
- Installation by trained and certified applicators

 Over a thousand of catenary supports already repaired with success since 2010.

REINFORCEKIT® BEAM IMPLEMENTATION

