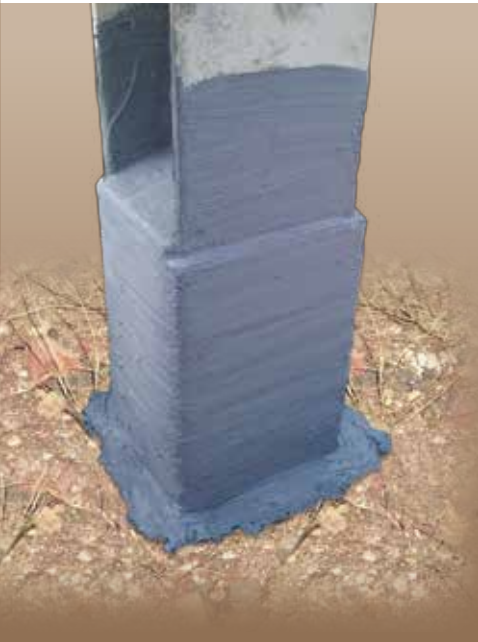




REINFORCEKIT® BEAM



COMPOSITE REPAIR FOR DAMAGED BEAM



No limit of size

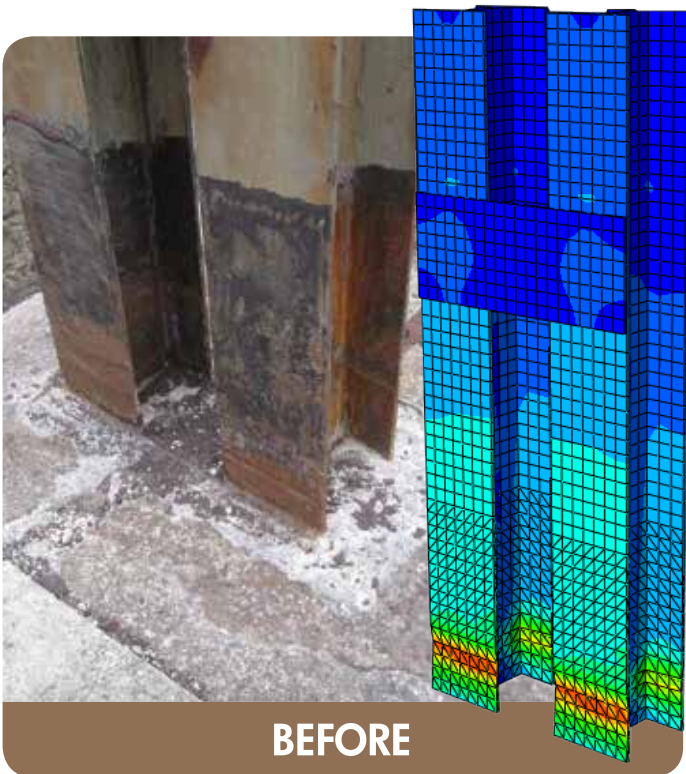


Various structure designs

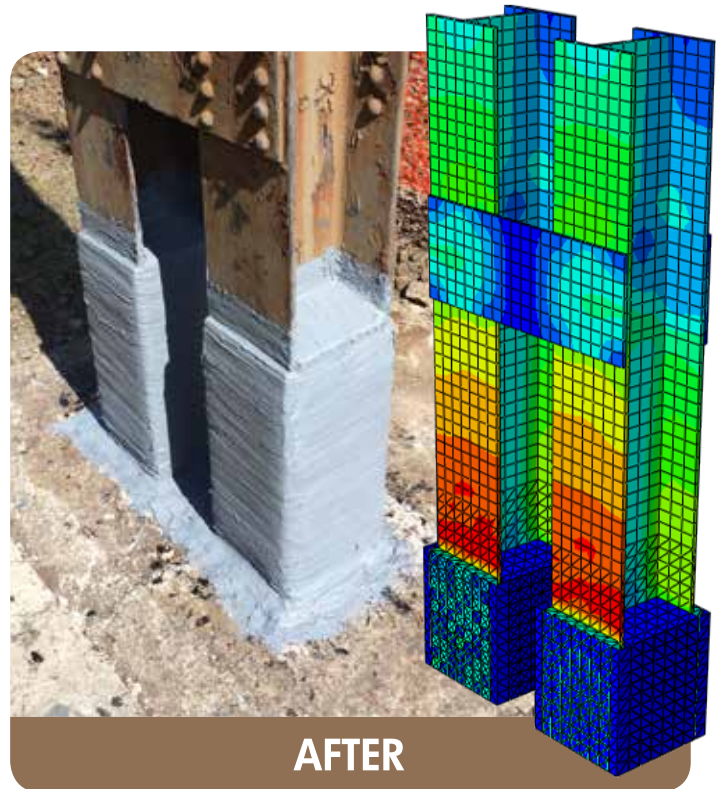


Onshore

REINFORCEKIT® BEAM design is performed using Finite Element Simulation



BEFORE



AFTER



COMPOSITE REPAIR SPECIALIST



REINFORCEKit® BEAM is a product recommended to reinforce structures suffering from corrosion. Designed for lasting 20 years minimum, this product can renovate a structure having lost up to 80% of its initial thickness.

REINFORCEKit® BEAM is made of very high performance materials. Metal inserts are integrated on the base of the structure by cold welding to give back the original mechanical resistance. Then the structure is wrapped with Kevlar® tape and 3X epoxy resin and recovered with specific anti-UV & impact protective coating.

REINFORCEKit® BEAM HISTORY



Initially **co-developed in partnership with SNCF** (French National Railway Company) for Railway Industry to reinforce catenary supports, REINFORCEKit® BEAM is suitable for all structure designs.

Since 2011 and after 2 years of testing (decohesion and mechanical tests ...), over a thousand of supports have been renovated successfully thanks to this original product.



USES

- Repair and reinforce structures
- Restore structures integrity

APPLICATIONS

- Suitable for all structure designs (beams, poles ...)
- Structures highly corroded
- All beam sizes and designs

BENEFITS

- Installation without stopping production or traffic
- Long-term repair (20 years minimum)
- Cost-effective installation
- Fast and easy implementation

REINFORCEKit® BEAM IMPLEMENTATION STEPS



1 Surface preparation Sa2½



2 Metal inserts preparation



3 Metal inserts application



4 Kevlar® and epoxy resin wrap



5 Impacts & UV protection