

Cost-effective lightweight FRP solutions based on the InfraCore Inside Technology

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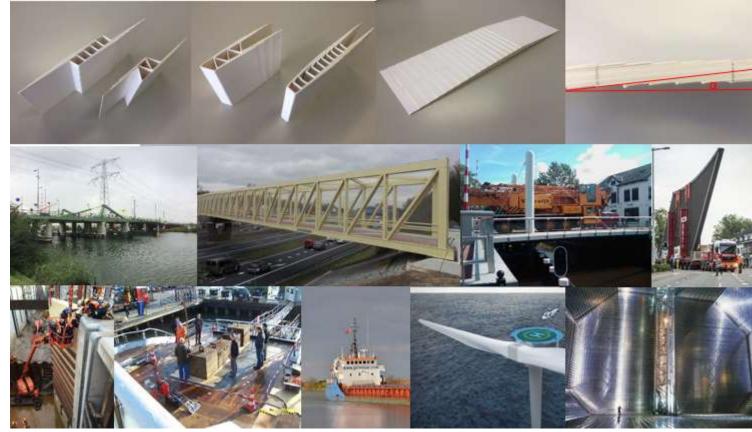
LIGHTer | Swedish national arena for lightweight innovations



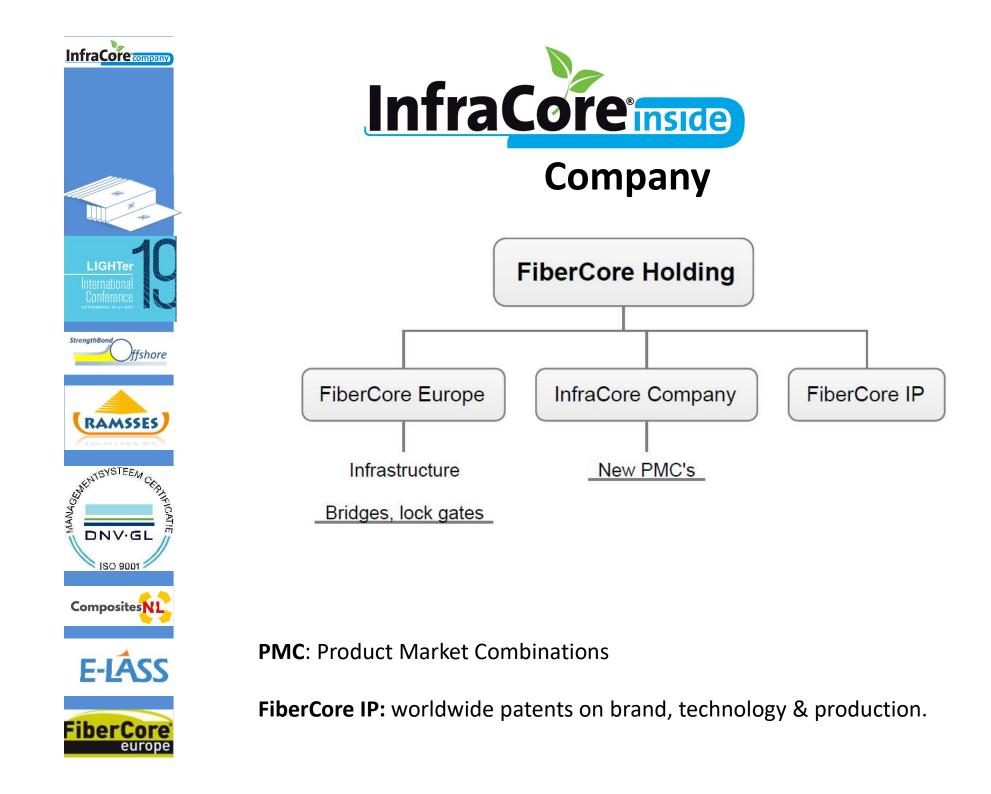
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Heavy duty, load bearing FRP structures Proven technology



Worldwide patented / Licenses available







•R&D, engineering & production

FiberCore

europe

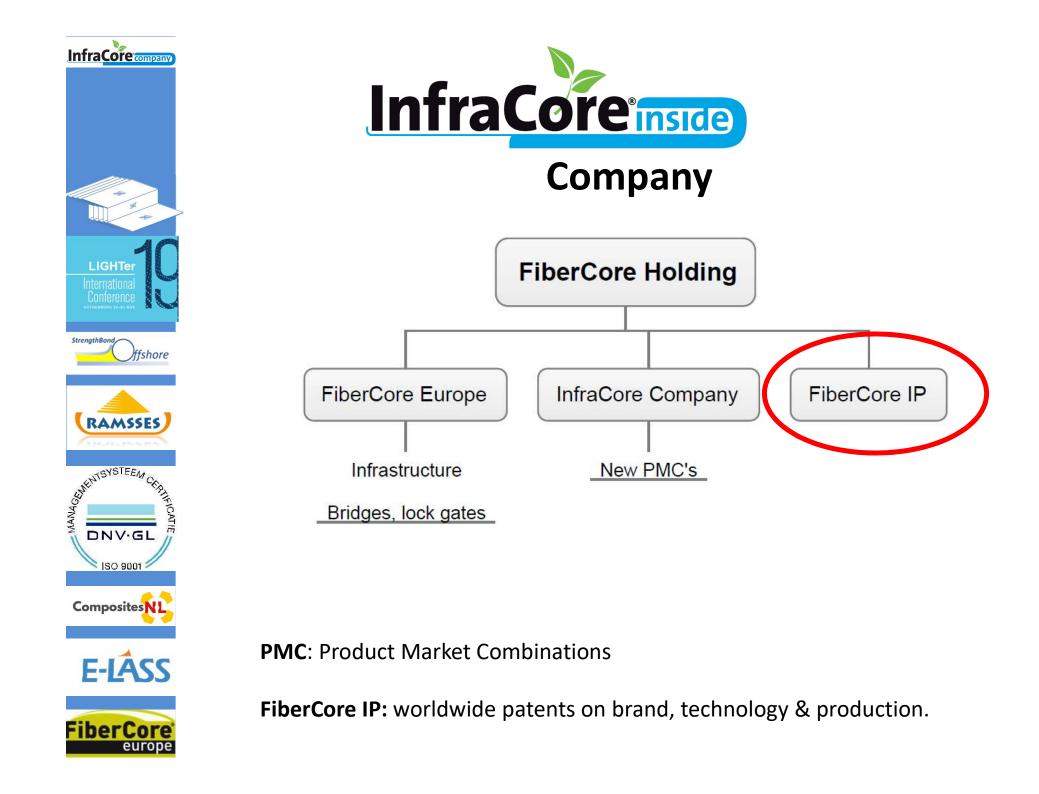
900 heavy duty structures installed





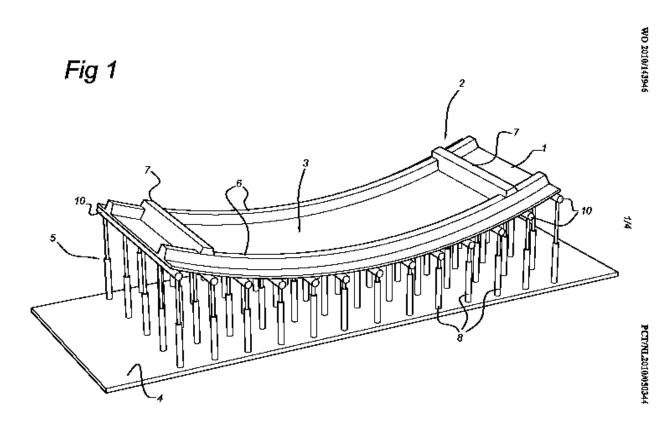
> 900 structures with InfraCore inside











Company: FiberCore IP

InfraCore inside





Company: FiberCore IP

THE

(Glass) Fibre Fabric beam box: Flanges, connected by webs Flanges 0°/ ±45° fabric, webs 90°/±45° fabric Non-structural core

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(Glass) Fibre Fabric multi-beam box Beams are self-contained Little shear transfer between beams Impact damage = local delamination

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(Glass) Fibre Fabric multi-beam box Sandwich plate Interlaminar cracking is inconsequential

Multiple impact damage + fatigue = local delamination, no damage growth

Extreme robustness





worldwide patent: Structural FRP technology InfraCore® **Development of 'Oblique Layered Material'**





InfraCore Technology is proven

2015: Real scale test at WMC & TNO

Eurocode InfraCore traffic deck 3m x 7m

30 M cycles 60 tons after serious impact

No fatigue, no structural damage propagation...



CompositesNL

RAMSSES

Bridge installed with 50 years of Future Lifetime, without repair

E-LASS Witnessed by DNV-GL A service of the s







InfraCorecompany

Main problems in heavy duty FRP structures solved:

Delamination & interlaminar cracking!



DNV.GL ISO 9001

Composites NL

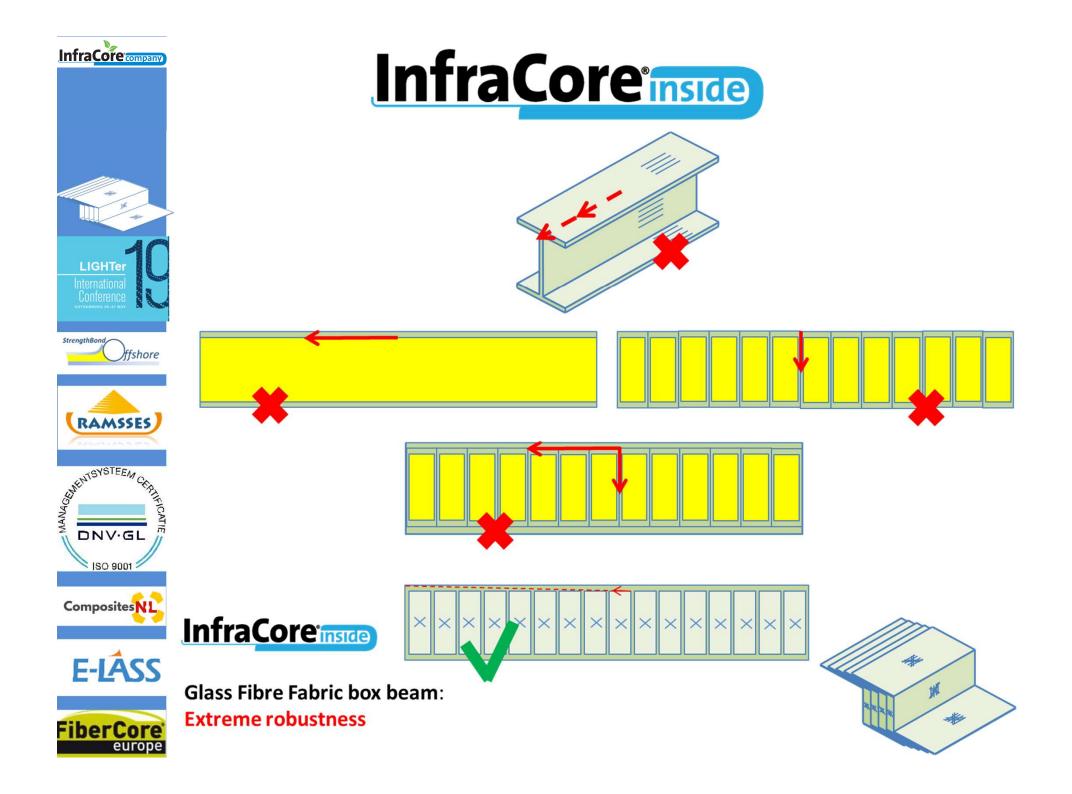
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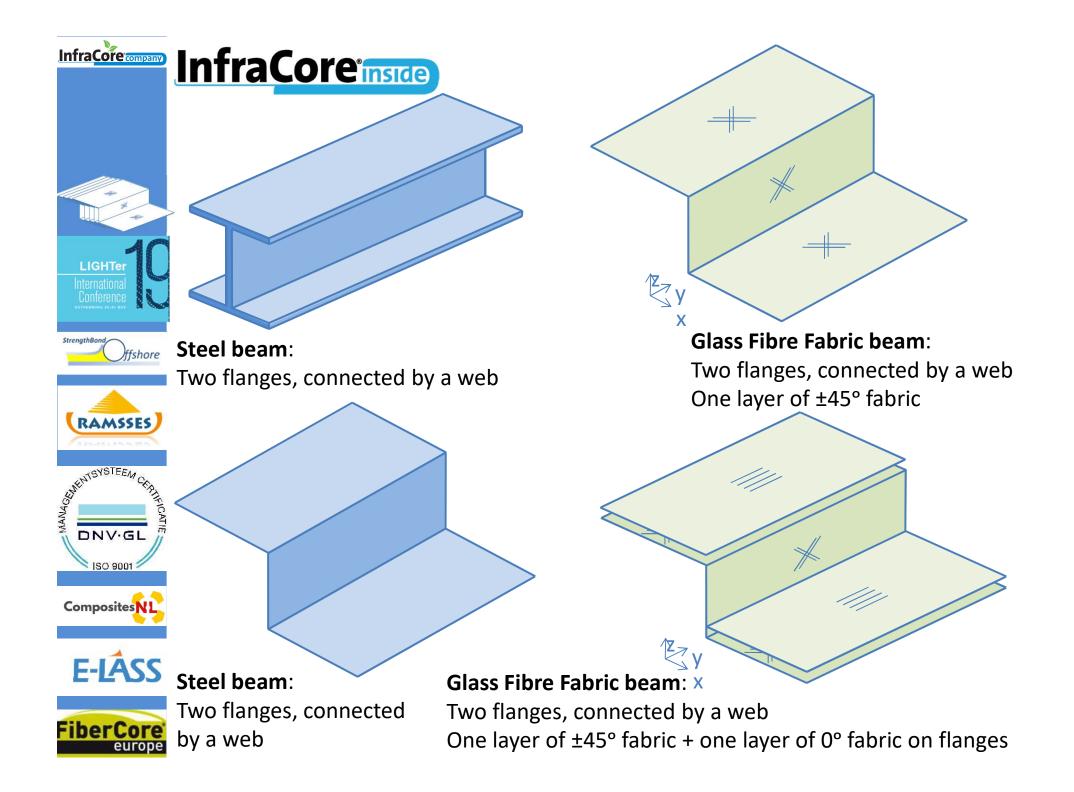
FiberCore

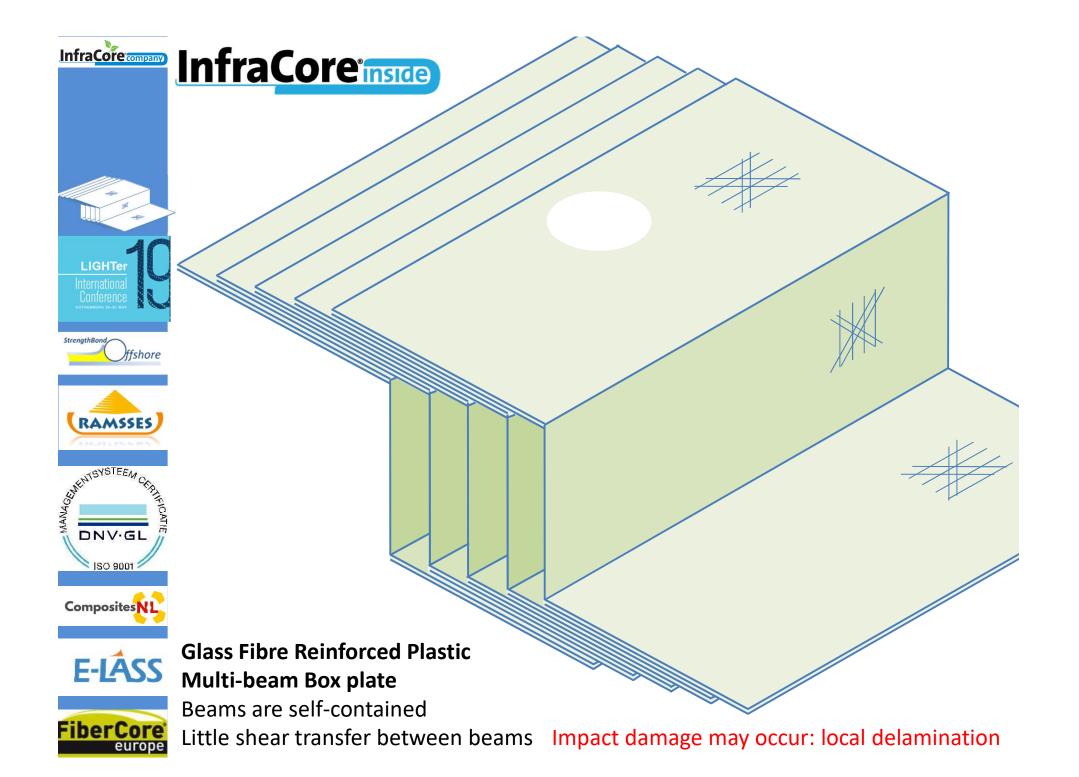
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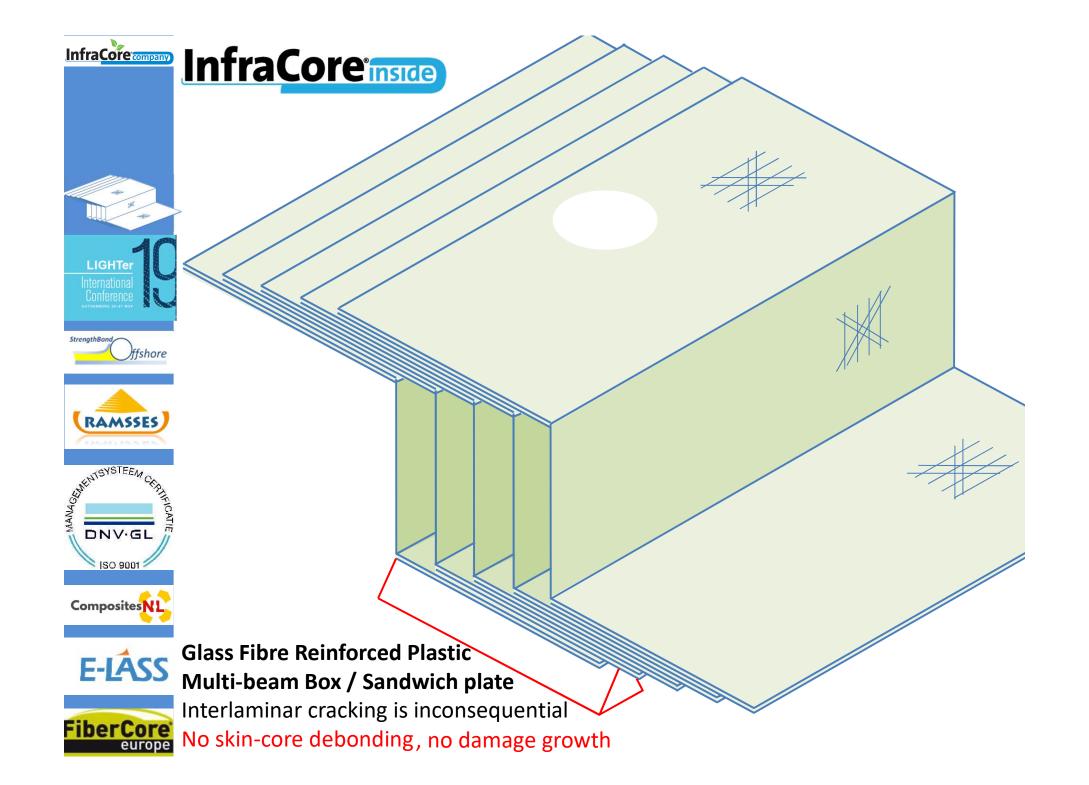
- > 900 heavy duty structures realized
- cost-effective
- damage tolerant: extreme robustness
- fatigue after impact
- delamination is inconsequential
- structural capacity under fire

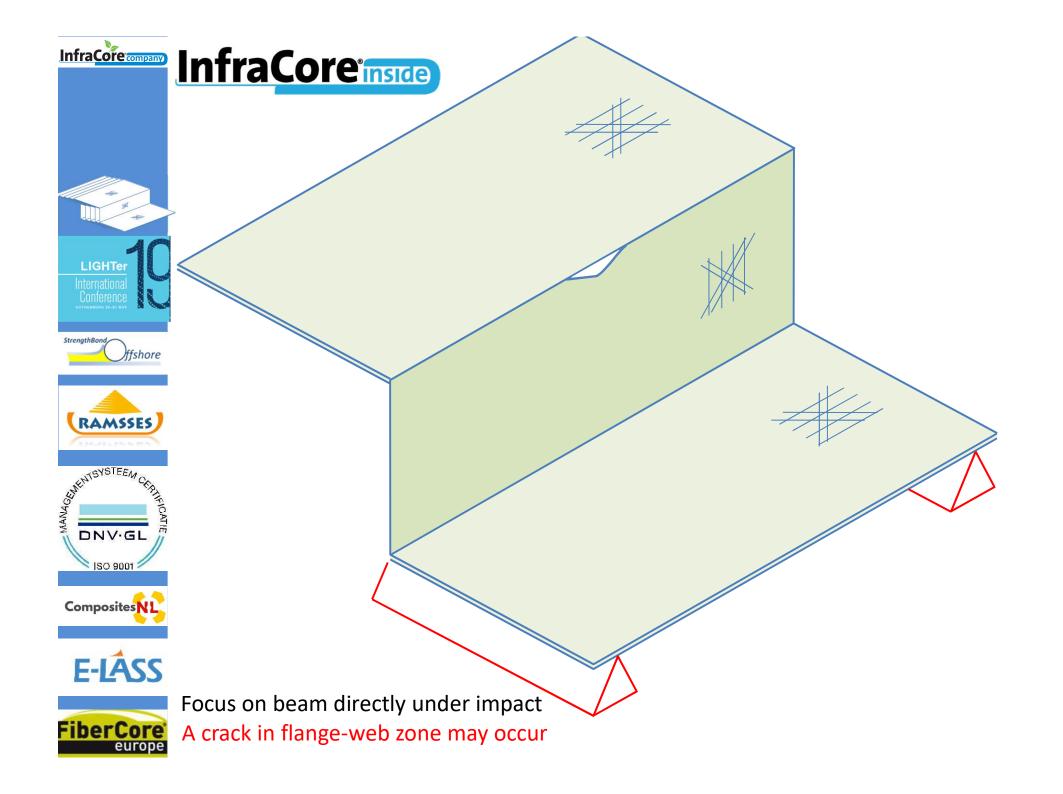


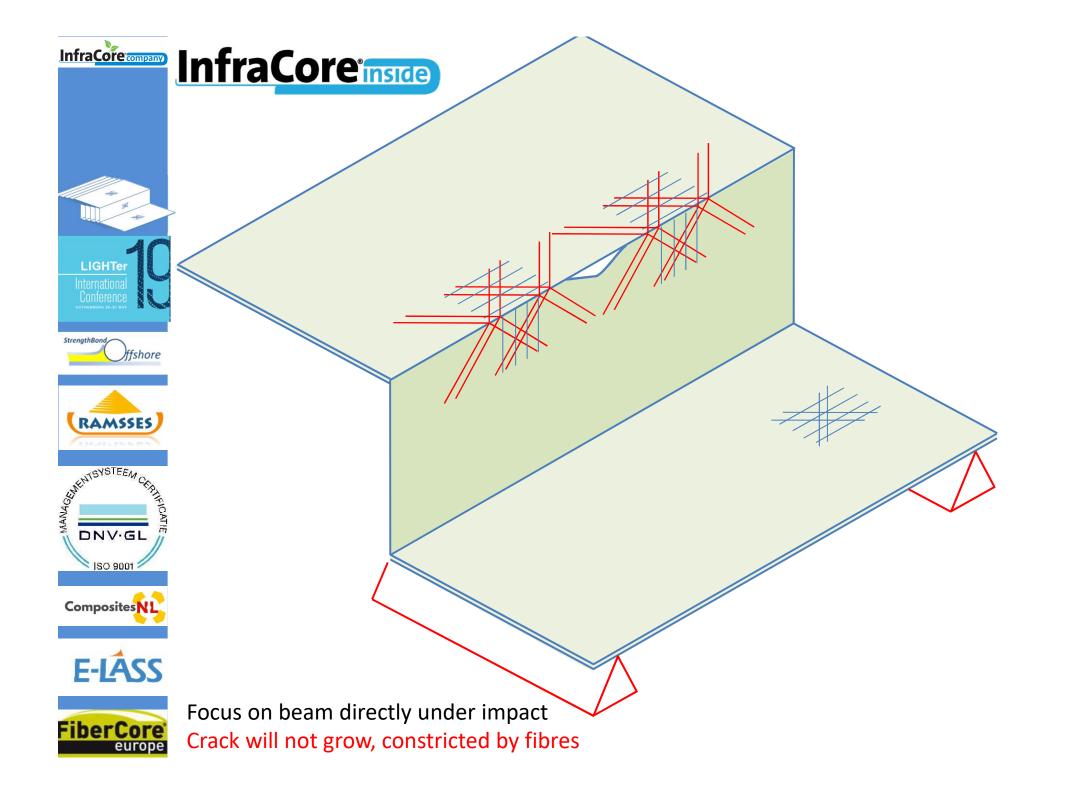


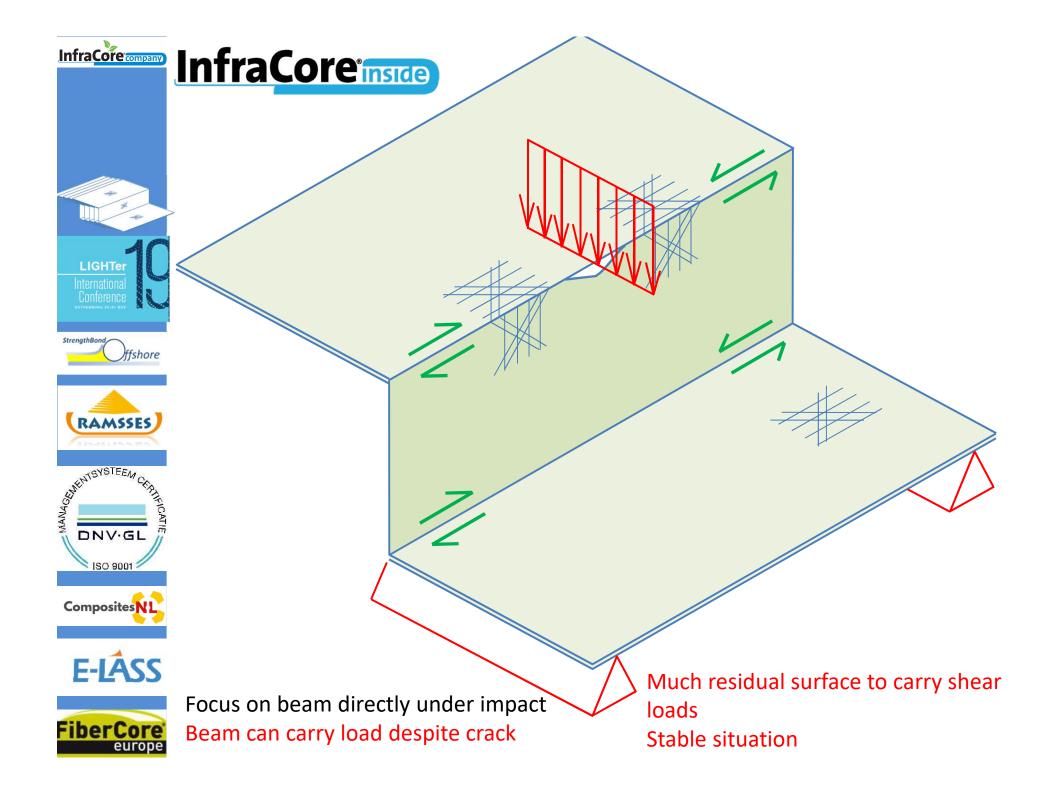


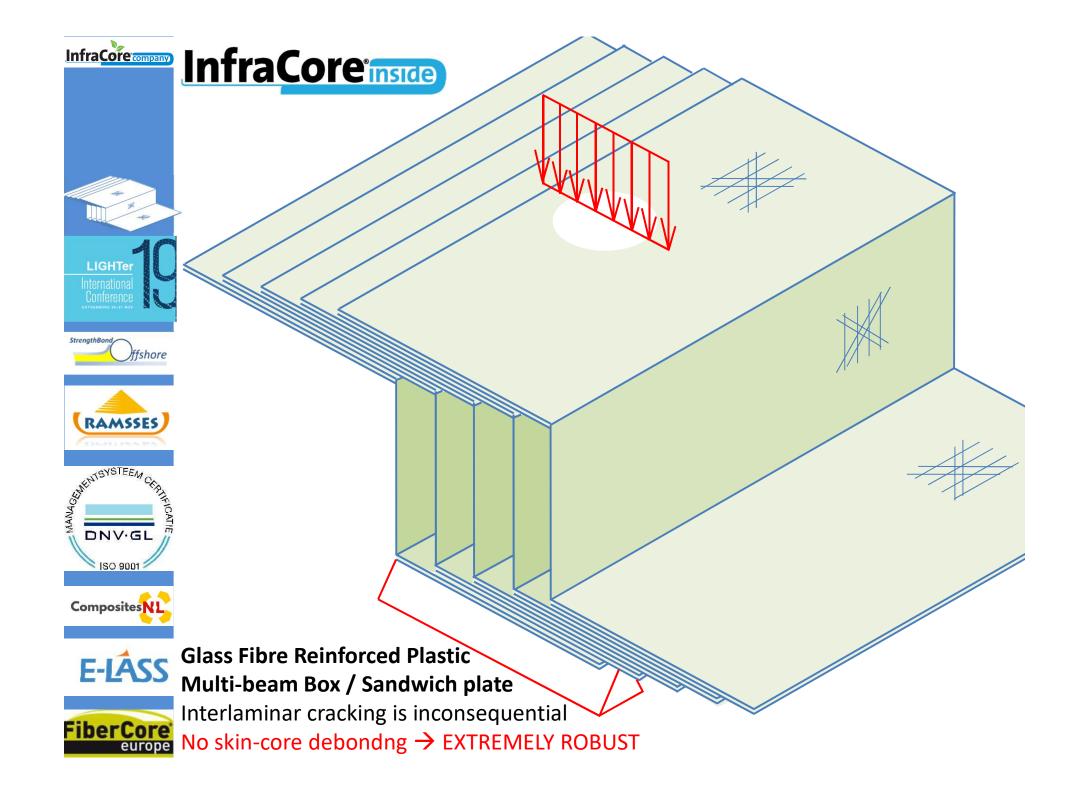


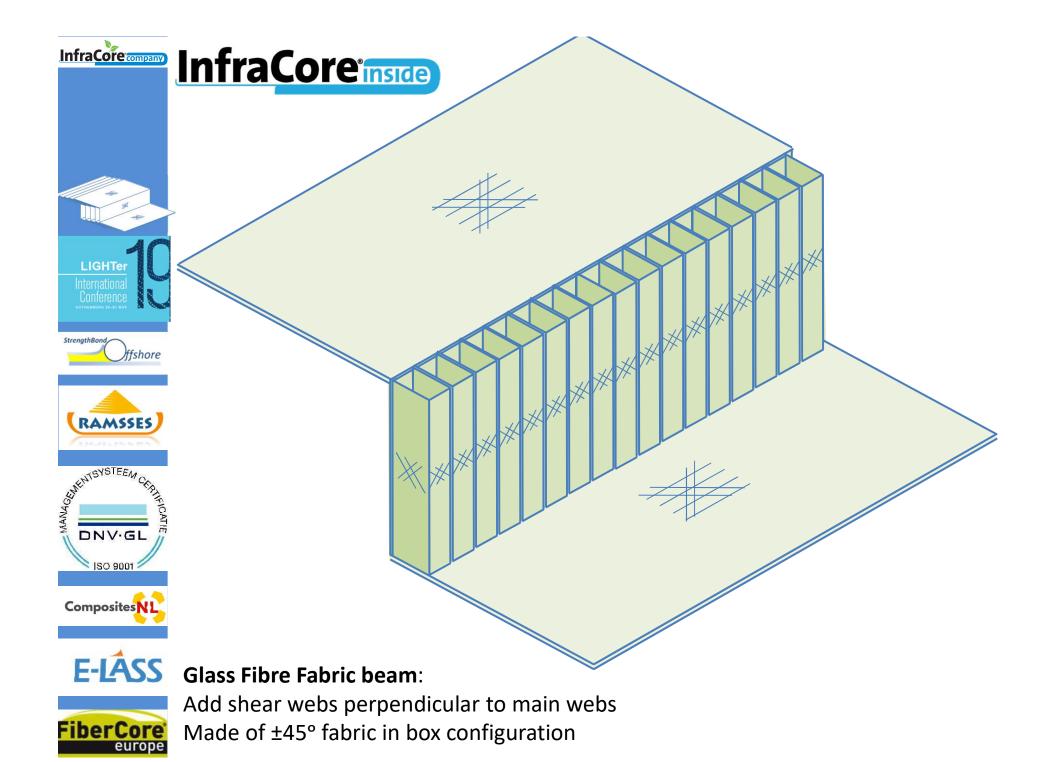


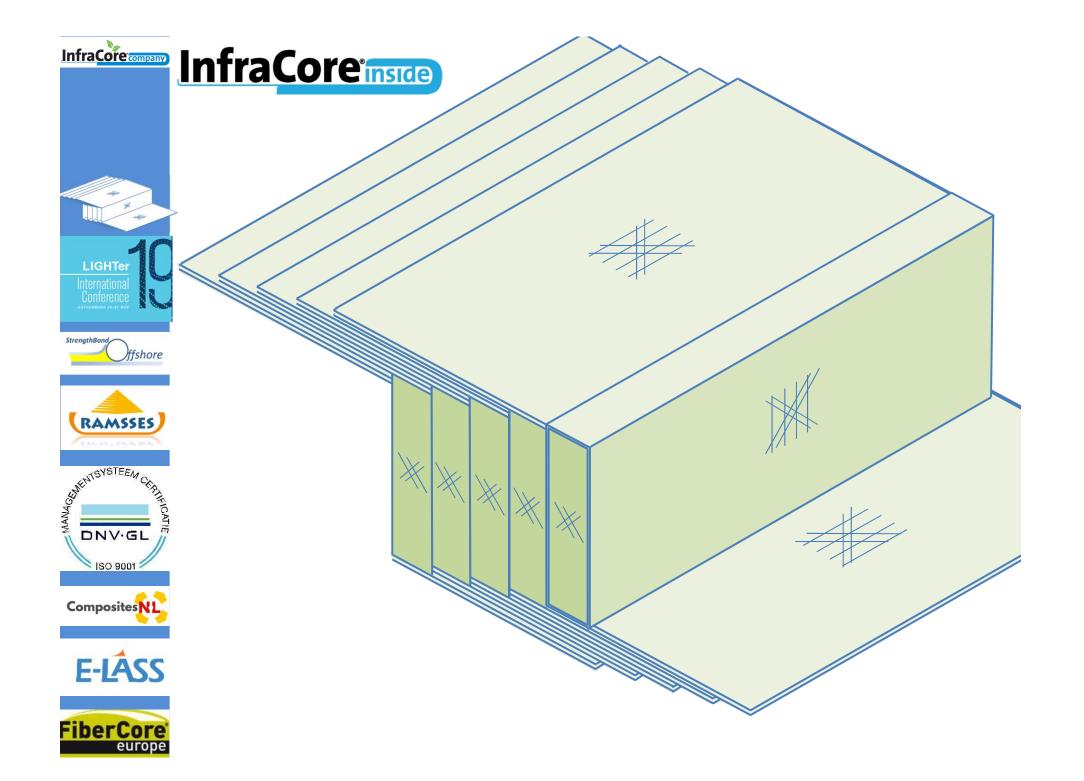


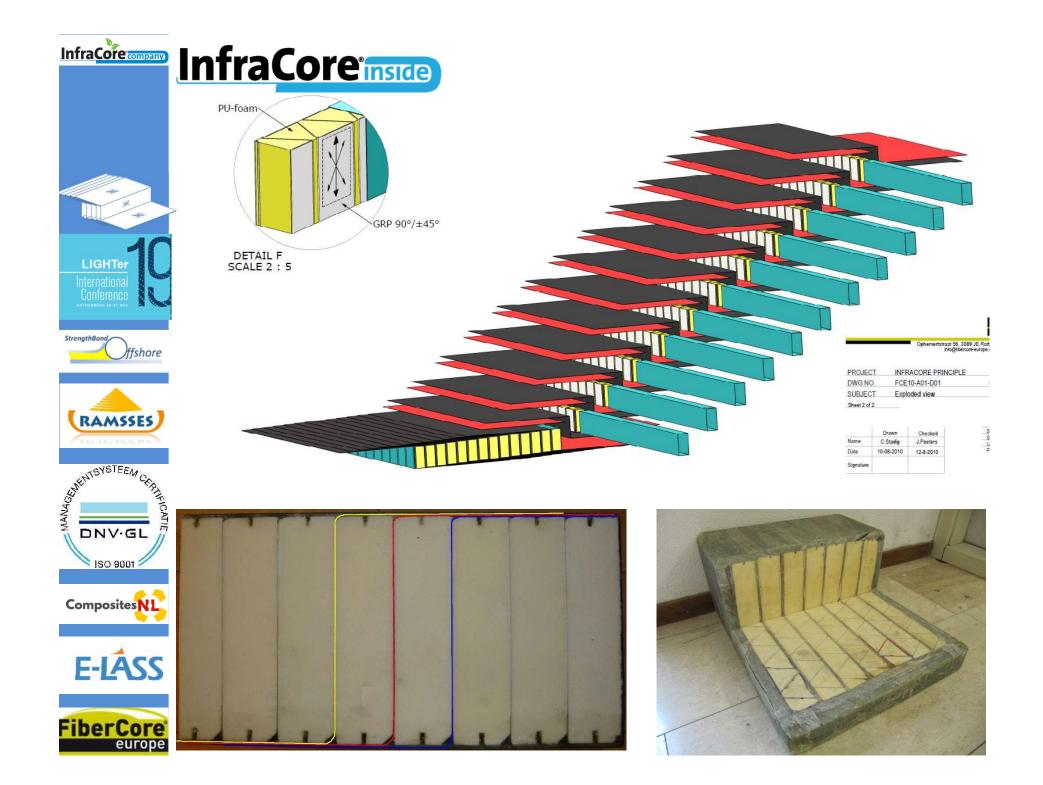


















Develop & market new cross-sectoral product-market combinations together with key strategic partners, based on the proven track record of FiberCore Europe & on the worldwide patented InfraCore technology.

Strategy

"do what you are best at & cooperate with similar kinds"

Create durable Partnerships/Alliances with credible, certified, independent & essential knowhow in complementary fields of expertise

Commercial Alliances & Licensing

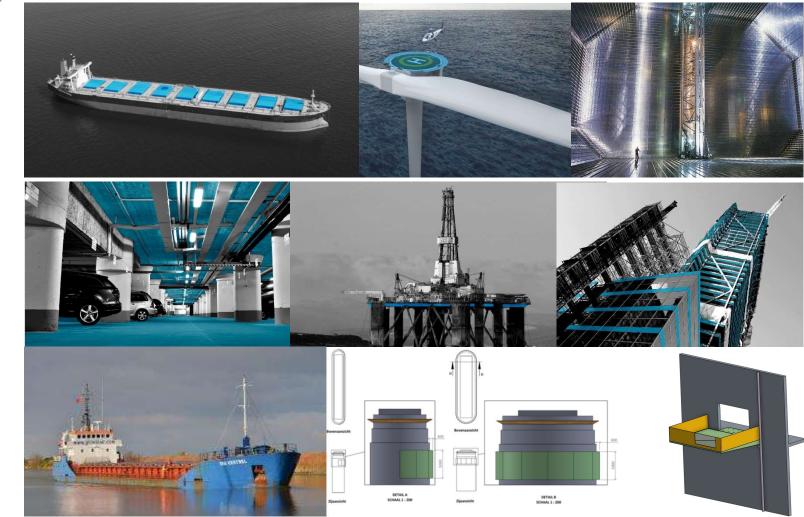
Create & Benefit from complementary collaboration-cooperation



FiberCore europe



FRP solution for all markets



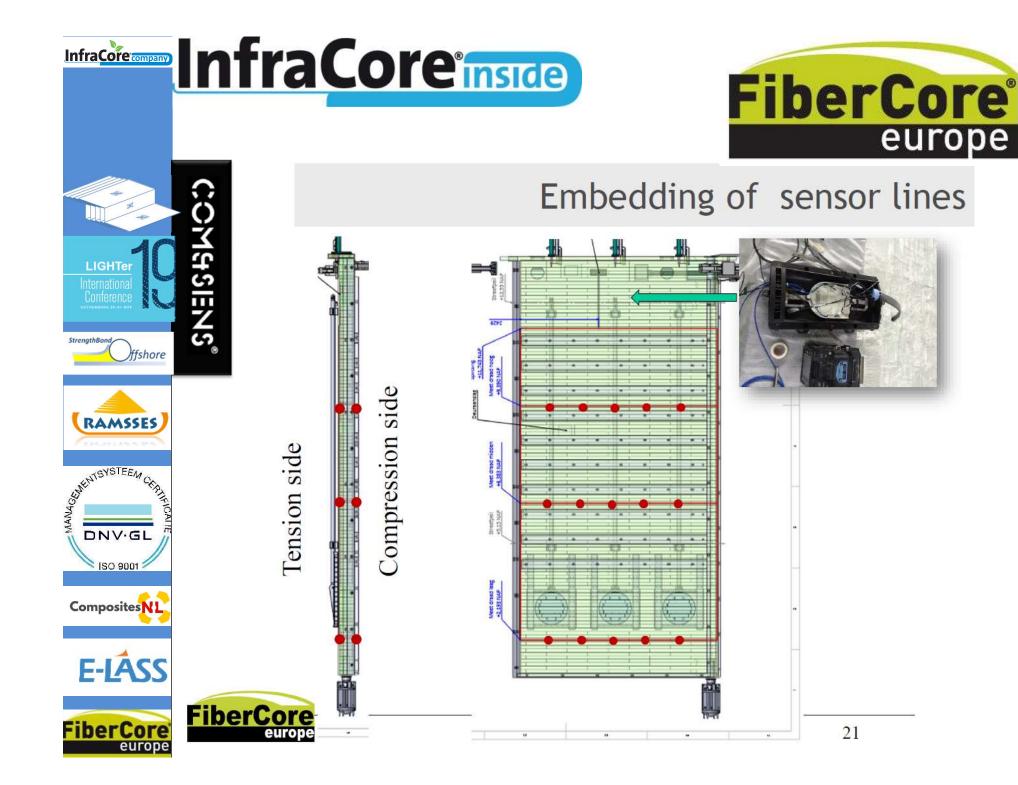
















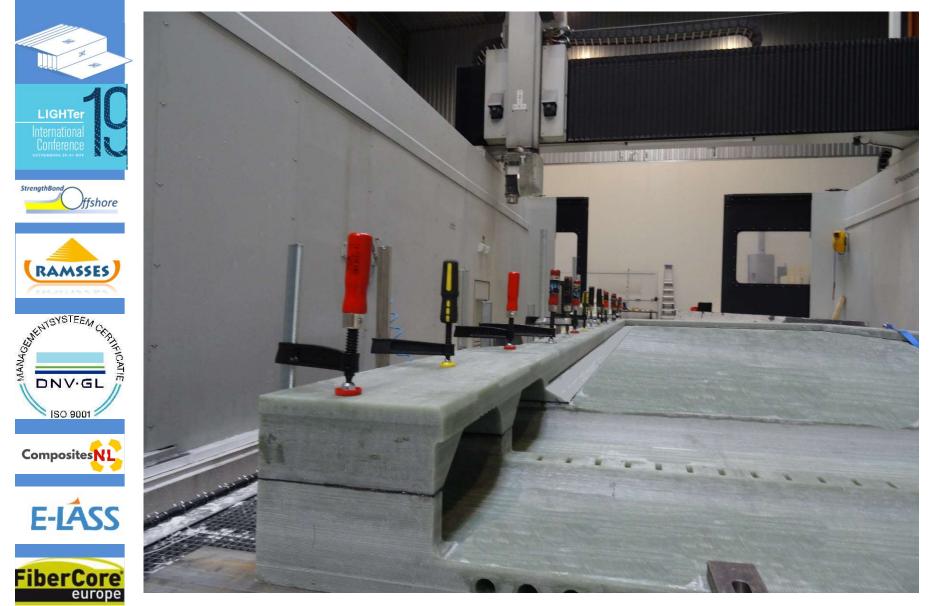
'Harbour bridges'



Infracore InfraCore inside Industrial component

LIGHTer

ISO 9001 2



Infracore Infra Core inside Helideck Yacht Spielberg











FiberCore europe





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ICC project task







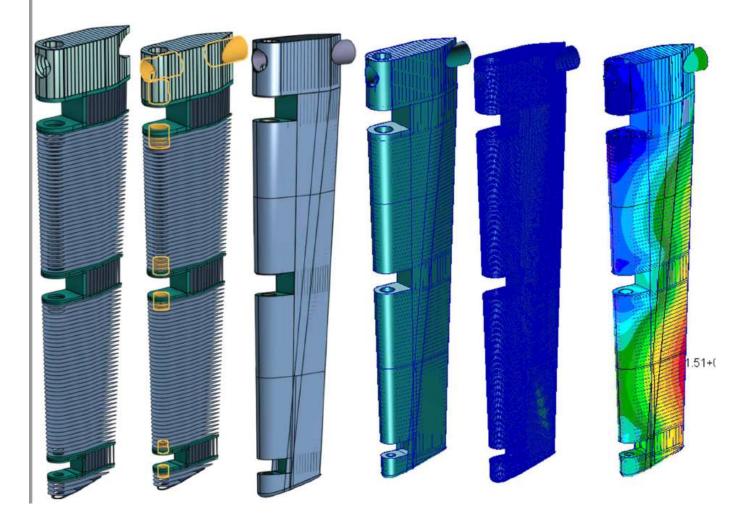
InfraCoreinside

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ICC project task







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