



Structural Repair Solutions

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Systems and Concepts for Repair and Strengthening of Bridges and other Structures

Concrete is a durable and relatively maintenance-free construction material. Nevertheless, repair and/or strengthening of existing structures may become necessary due to

- natural aging, inadequate design, poor quality of materials, faulty construction practices
- severe environmental and accidental influences (e.g. overloads, vehicular impacts, strong earthquakes, hurricanes, fire)
- changes in use (e.g. load enhancement beyond the original design values)
- increased safety requirements.

DSI can assist you during all stages of a repair/ strengthening project:

- inspection and condition evaluation of structures
- preparation/review of the repair/strengthening scheme
- design and dimensioning of the strengthening work
- supply and installation of high quality DYWIDAG products
- execution of the strengthening works
- site supervision with quality assurance
- monitoring and inspection controls.

i Values are based on the German Code (DIN). Adaptations to other code systems or concrete strengths (e.g. ASTM, BS, etc.) are possible.