

ENGINEERING & DESIGN

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The Foundation of a Reliable Safety System

Every fall protection system relies on sound engineering. Proper design ensures the system can safely withstand loads generated during normal use and fall arrest events.

Relevant Standards

- EN 795:2012
- CEN/TS 16415
- Eurocode Principles
- ISO 45001
- Local Building Regulations

Design Considerations

- Structural capacity
- Load paths
- Material selection
- Environmental exposure
- Corrosion resistance
- Dynamic fall arrest loads
- Multiple user requirements

Engineering Deliverables

- Structural Assessments
- Load Calculations
- Design Drawings
- Installation Specifications
- Engineering Certificates



How DECAWAT Assists

Working alongside professional engineers, DECAWAT delivers:

- Structural Assessments
- Custom Lifeline Designs
- Engineering Sign-Off
- Compliance Documentation
- As-Built Drawings

