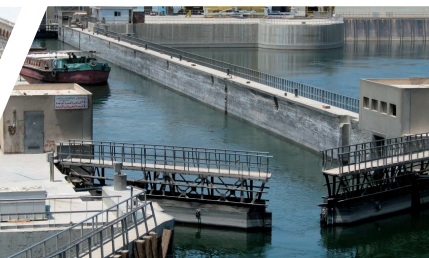


# ***IBIS-S: Preventing Structural Failures Utilizing Microwave Interferometry***

**IBIS-S**

**An innovative sensor for remote monitoring  
of structural movements  
and deformations**



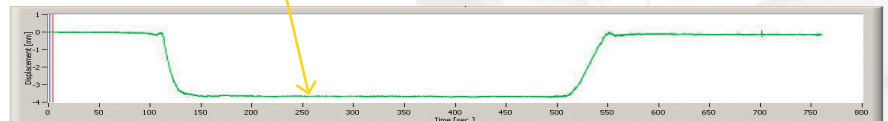
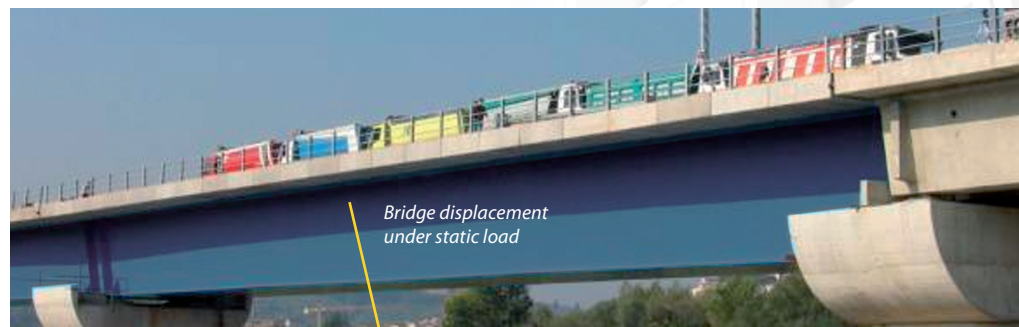
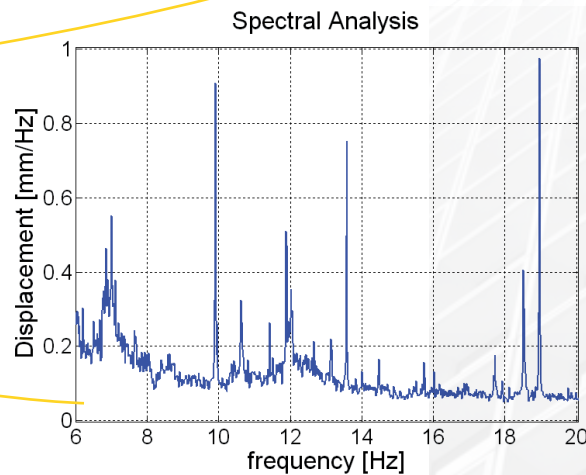
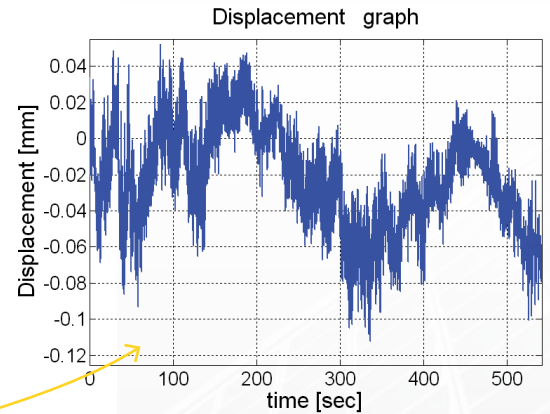
## Monitoring applications:

### Static

- Structural load testing
- Structural displacement and collapse hazards
- Cultural heritage preservation

### Dynamic

- Structural resonance frequency measurement
- Structural modal shape analysis
- Real time monitoring of deformation



## Advantages Over Traditional Techniques:

- Remote sensing at a distance of up to 1 km.
- Displacement accuracy up to 1/100 mm.
- Real-time simultaneous mapping of deformations
- Fast installation and operation
- Static and dynamic monitoring
- Structural vibration sampling up to 100 Hz
- Operates day-night, in all weather conditions
- Provides direct displacements, not derived quantities



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