Resilient systems for intelligent monitoring of infrastructure

by Dr R. Kromanis (Roland)

r.kromanis@utwente.nl

Horst Room Z230

4TU. Resilience Engineering

DeSIRE

Monitoring resilience of infrastructure in cities and urban deltas

Examineering

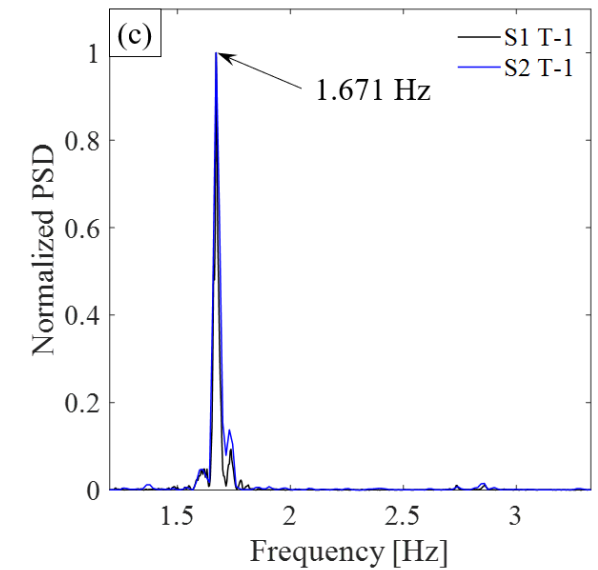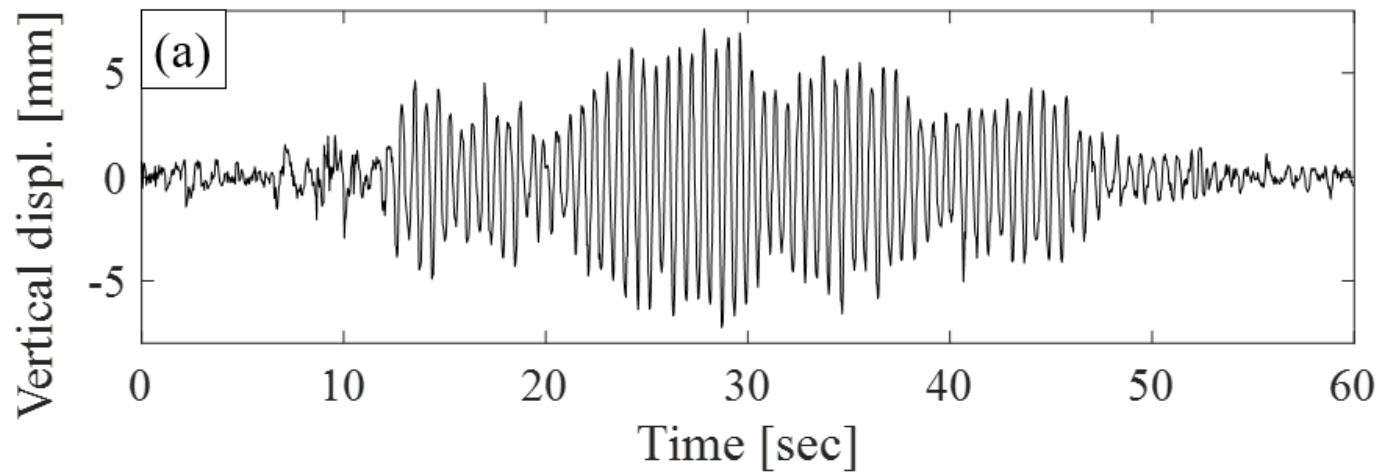https://gasstationwithoutpumps.wordpress.com/

https://www.engineering.com/
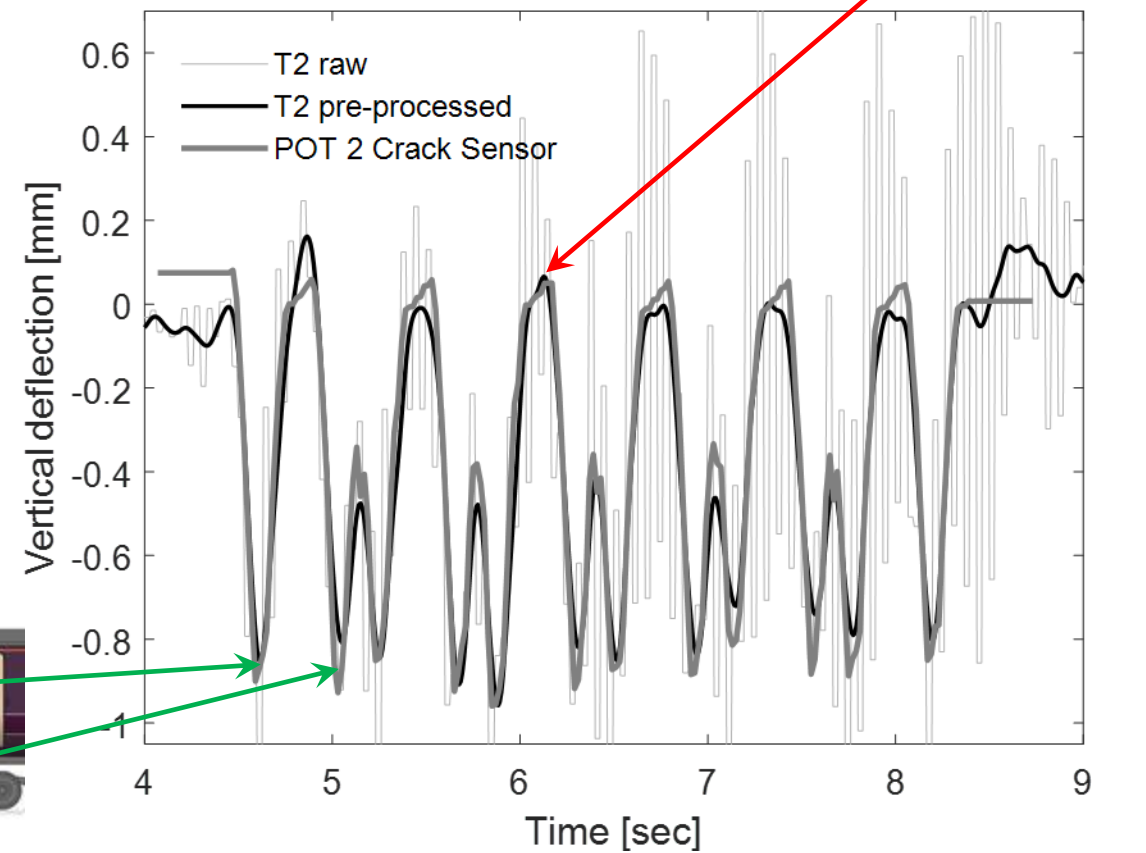
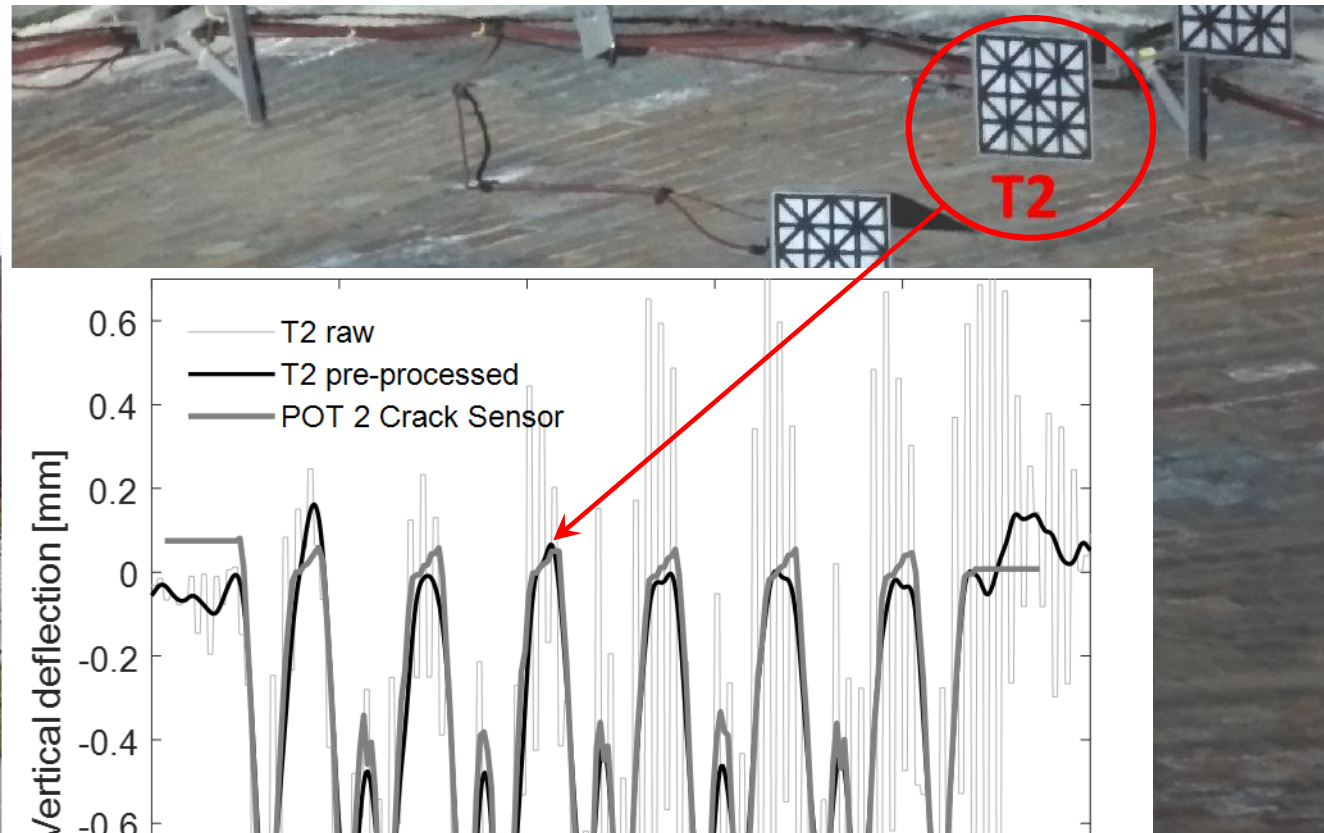# Examineering
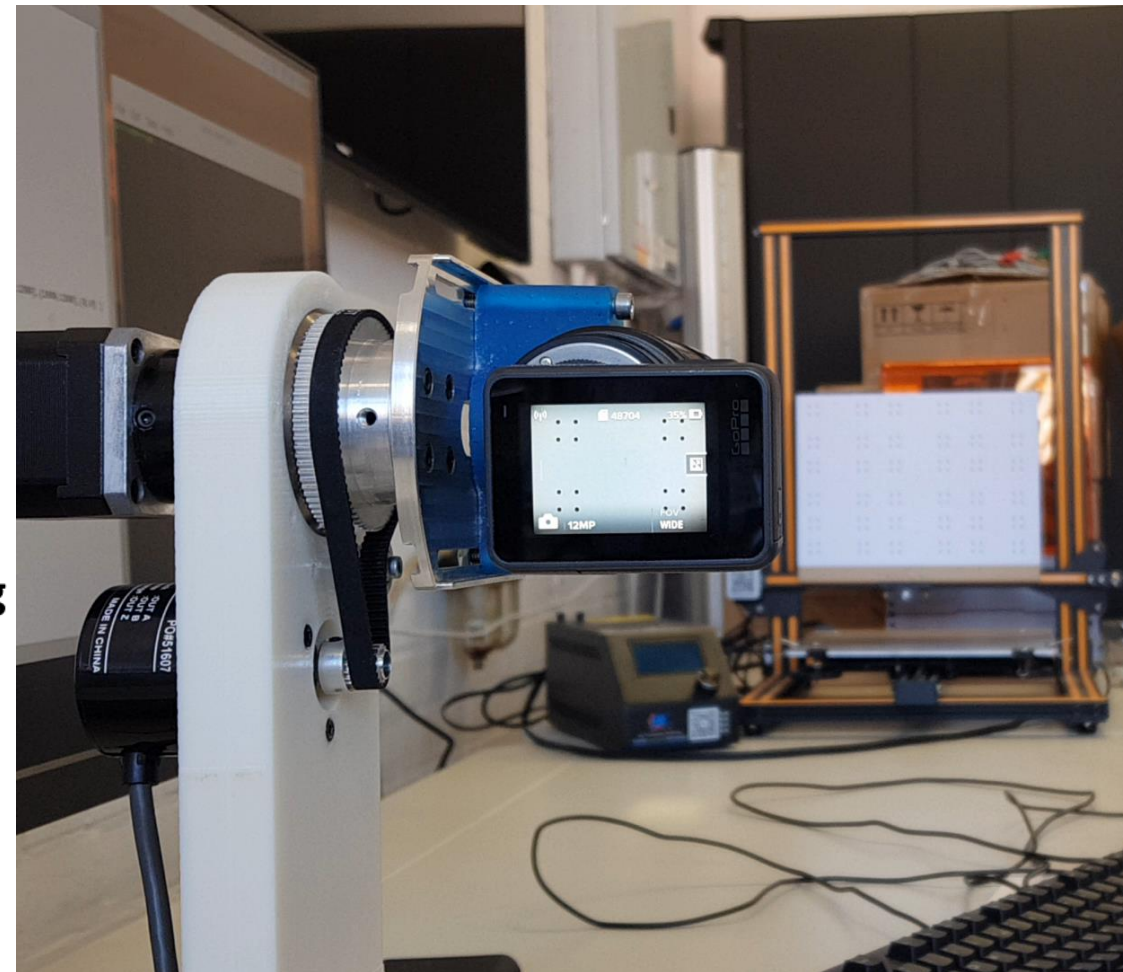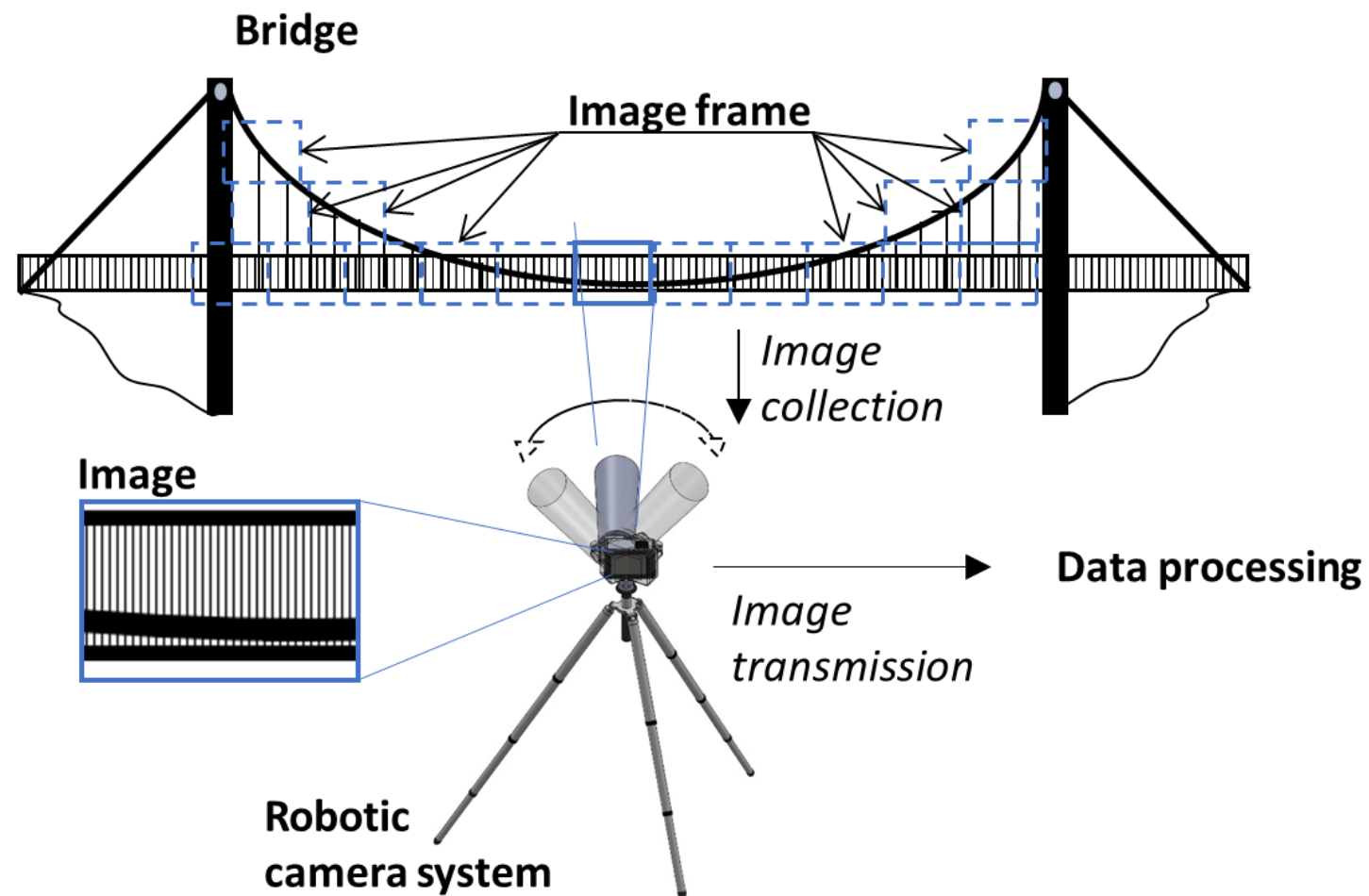
credit: MANDEL NGAN/AFP/Getty Images

Contact sensors

Footbridge excitation visualization

Cameras for railway bridge monitoring
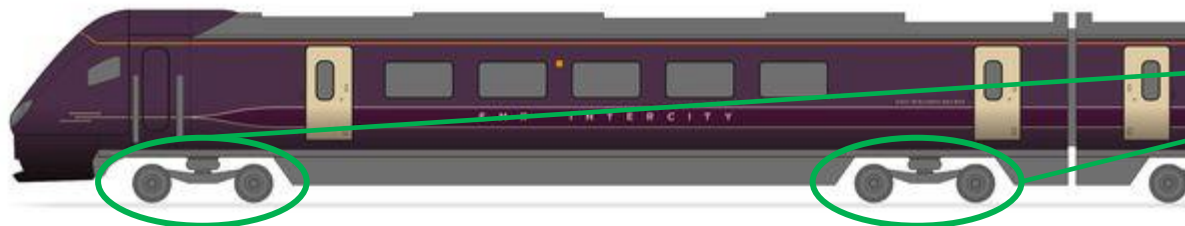
Robotic camera system (RCS) for infrastructure monitoring

Resilient monitoring systems by R Kromanis

RCS: Full-scale structures

- Capturing close range images
- Structural response, defects

A network of resilient systems for intelligent monitoring of civil infrastructure