



S o m n i

fiber optic sensor systems

SOMNI SOLUTIONS



ACCELEROMETERS AND TILT SENSORS

100% FIBER OPTICS



APPLICATIONS – GALLOPING TRANSMISSION LINES

FIBER OPTIC MONITORING SYSTEM

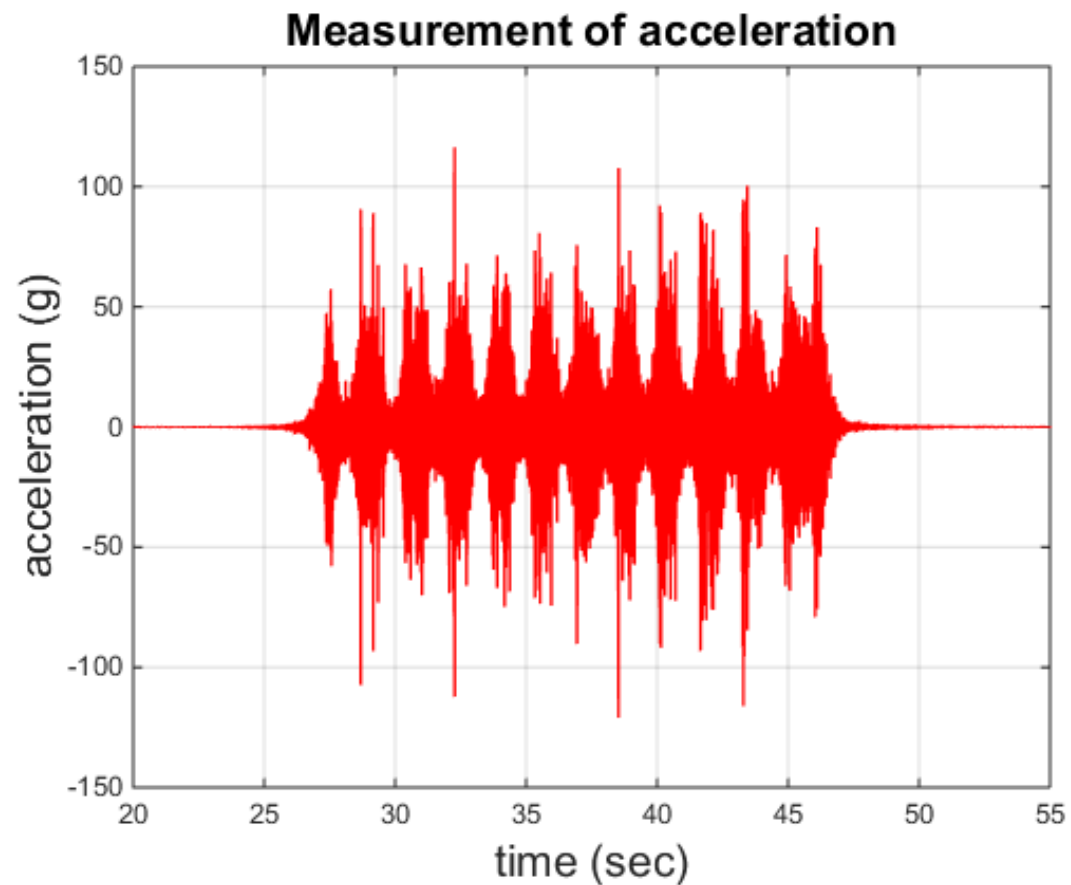
- Robust stainless-steel accelerometers
- Monitoring across tens of kilometers
- No metal wiring – all fiber optic
- No EMI issues
- Maintenance free reliable monitoring for decades



Prevent:

- Interphase flashover
- hardware damage
- line trip
- power cut
- burn wire
- tower collapse
- wire break

APPLICATIONS – TRACK CONDITION MONITORING



APPLICATIONS – STRUCTURAL HEALTH MONITORING – GENOVA BRIDGE



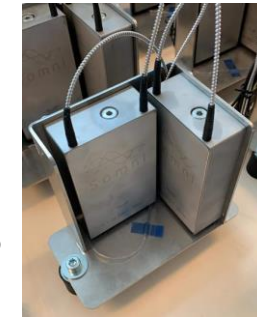
APPLICATIONS – STRUCTURAL HEALTH MONITORING



NEW MORANDI BRIDGE IN GENOVA



WE ARE LOOKING FOR PARTNERS!



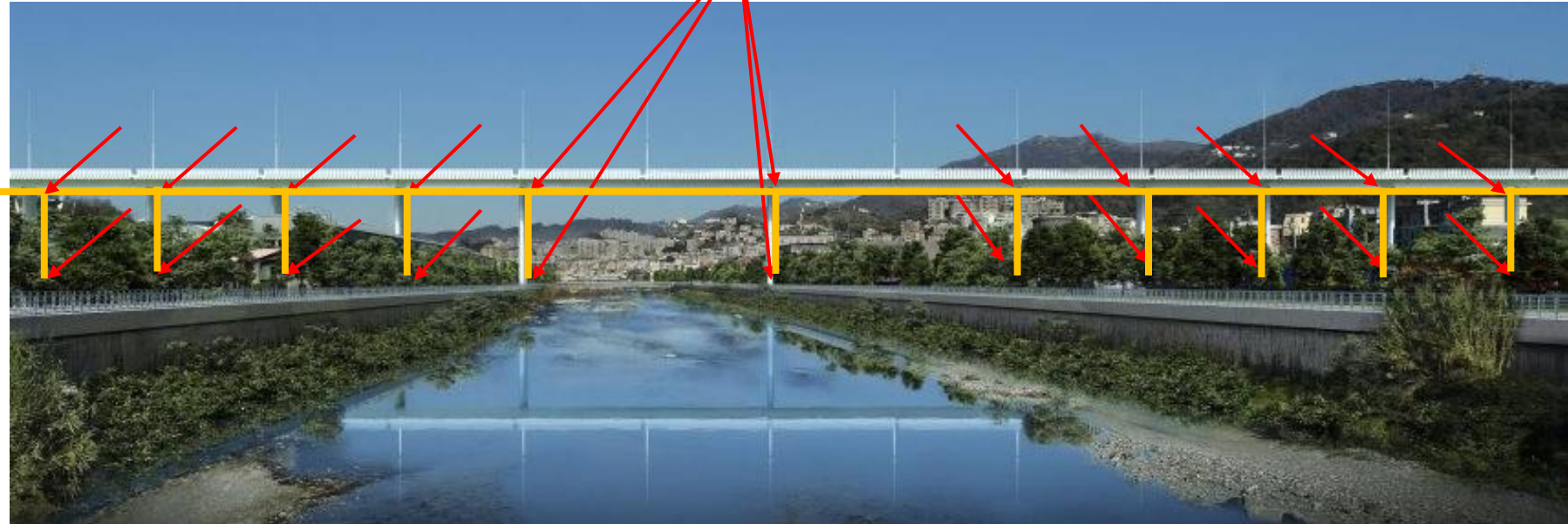
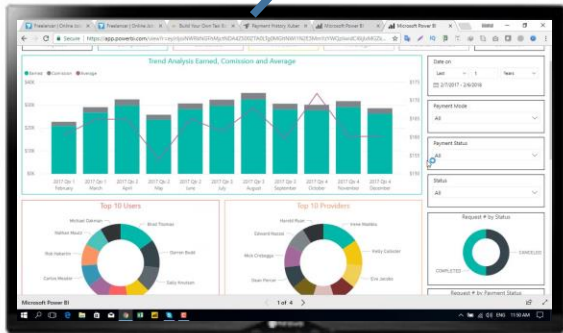
FIBER OPTIC SENSORS

INSTALLATION AND FIBER OPTIC CABLING

INTERROGATOR



DASHBOARD



CUSTOMER: IS THE BRIDGE SAFE TODAY, TOMORROW, NEXT YEAR?



CLOUD STORAGE

WANT TO KNOW MORE?

CONTACT US!

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