



SURVIOT

Think Ahead, **Be Ahead!**

Make your critical infrastructure smart with SURVIOT!

Smart parking?
Smart buildings?
Smart grid?
Smart traffic?
Even smart
dustbins?



How About Critical Civil Infrastructure: **Bridges, Tunnels, Roads And Dams?**

Structural Health Monitoring (SHM) plays a crucial role in Smart City projects by providing real-time insights into the condition and performance of critical infrastructure.

SHM measures **physical parameters of a structure** (movement, deformation, tilting, cracks, moisture etc.) and its environment (temperature, wind, precipitation, air quality, ground water levels).

With advanced **analytics, visualization, and reporting** SHM can show the right information on the right level to all stakeholders.

Integrating SHM into Smart City projects offers **significant benefits** in terms of infrastructure safety, resource optimization, intelligent maintenance, emergency response, data-driven decision making, and sustainability.

SHM **empowers cities** to manage their infrastructure assets more efficiently, enhance citizen safety and well-being, and create resilient and sustainable urban environments.



SURVIOT MONITORING LTD.

3000 Hatvan, Erzsébet tér 11. fszt. 4., Hungary

info@surviot.com | surviot.com



business
incubation
centre
Hungary



powered by
HIVENTURES
AZ MFB CSOPORT TAGJA



**XPRENEURS
INCUBATOR**

Key Benefits Of Integrating SHM Into Smart City Initiatives:

Infrastructure Safety And Resilience:

SHM monitors bridges, tunnels, dams, buildings, and vital infrastructure in real-time. Detecting anomalies and potential failures enhances safety and resilience.

Early Detection:

Early detection enables timely interventions, reducing accidents and disruptions.

Optimal Resource Allocation:

SHM offers data-driven insights for efficient resource allocation. It identifies areas needing attention, minimizing costs and extending infrastructure life in Smart Cities.

Preventive Maintenance And Asset Management:

SHM enables predictive, condition-based maintenance. Real-time data prioritizes maintenance, optimizing operations and minimizing downtime.

Improved Traffic Management:

SHM integrates with asset management systems to monitor infrastructure condition. It provides early warnings for traffic flow management and maintenance planning.

Enhanced Emergency Response:

SHM aids emergency response by detecting infrastructure distress early, enabling swift action and reducing public safety risks.

Data-Driven Decision Making:

SHM provides data for informed infrastructure decisions, optimizing performance, resource allocation, and city livability.

Sustainability And Longevity:

SHM supports sustainability in Smart Cities through proactive maintenance and monitoring of green initiatives, reducing environmental impact.



SURVIOT MONITORING LTD.

3000 Hatvan, Erzsébet tér 11. fszt. 4., Hungary

info@surviot.com | surviot.com



business
incubation
centre
Hungary



powered by
HIVENTURES
AZ MFB CSOPORT TAGJA



**XPRENEURS
INCUBATOR**