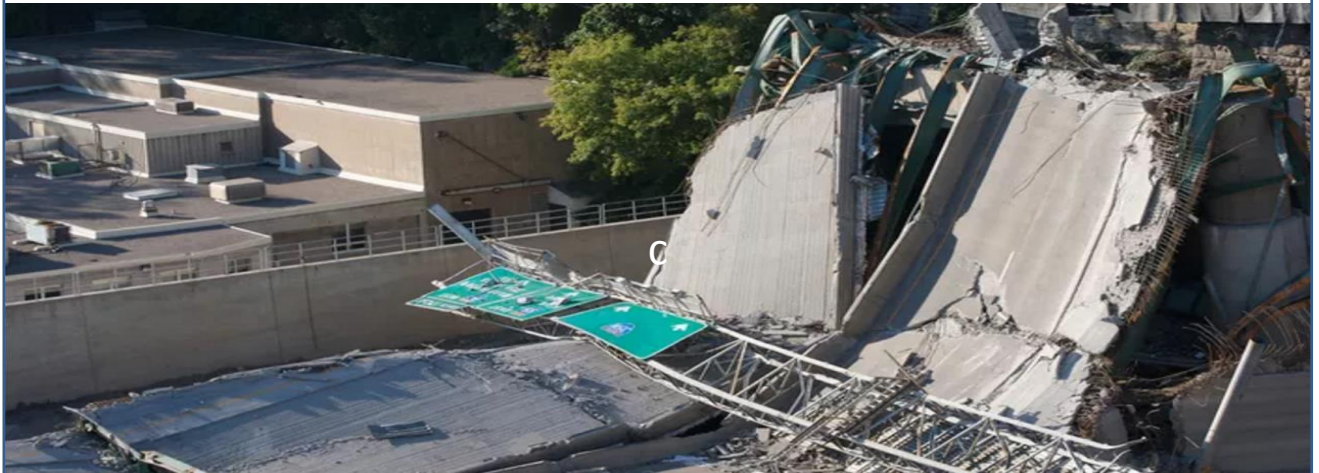


Structural Health Monitoring (SHM) is vital in determining the integrity and safety of structures. Substantial sums of money may be saved upon detecting structural deterioration in a timely manner with the use of SHM. Deterioration may occur by time due to service loads as well as extreme events such as flooding and earthquakes.

Ensyso utilizes various response parameters (such as accelerations, displacements, strain data) to evaluate the physical state of various structures. In addition, Ensyso developed an in-house monitoring tool which has the capability to detect damage in the very early stages of initiation. This capability gives the opportunity to alleviate damage before any potential failure occurs. The utilized methodology can successfully monitor the health and performance of various structures such as bridges, foundations, buildings, pipelines, aerospace structures and offshore platforms.

Continuous Monitoring Process Include:

- Data acquisition and processing;
- Damage evaluation (detection, localization and severity estimation);
- Consultancy regarding possible damage mitigation options.



I-35W Bridge Collapse in 2007

Ensyso's Structural Health Monitoring Technology

- Ensyso uses a variety of equipment for structural monitoring applications. Depending on the type of application, selected tools may include:
 - Accelerometers;
 - Fiber Optic Strain Gauges;
 - Vibrating Wire Strain Gauges;
 - Foil strain Gauges;
 - Pressure/Temperature Sensors.

Visit www.ensyso.com for more information.