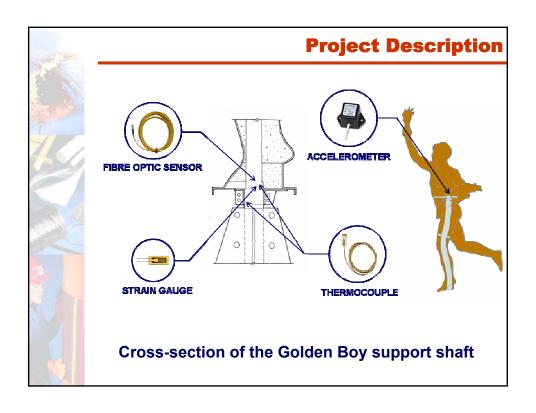


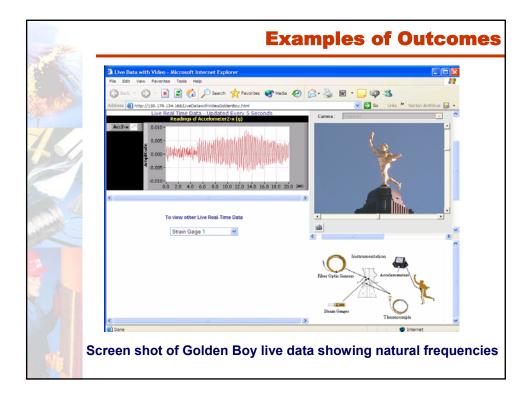


Quick Facts about the Golden Boy

- Name and Location: Golden Boy Winnipeg, MB, Canada
- Owner: Government of Manitoba
- Structure category: Heritage statue
- Spans and dimensions: Statue stands 4.0 metres tall (13.2 feet) from his toes to the tip of his torch. Cast in bronze, weighs about 1600 lbs.
- Structural system: 1.74 m long steel shaft, fixed from one end
- Start of SHM: October, 2001
- Number of sensors installed: 16
- Instrumentation design by: ISIS Canada University of Manitoba



			Sensor Detai
	Type N	lumber	Location
1	Fibre optic sensors	4	At the support shaft
	Electric foil strain gauges	8	At the support shaft
	Thermocouples	1	Close to the gauges
	Accelerometer	2	Top of the shaft
	Wind Meter	1	On the roof of the legislative building



Benefits of using SHM Technologies

 Analysis of the SHM data will contribute to the development of cost efficient maintenance procedures that will save taxpayer dollars over time.

Results of using SHM Technologies

- Early access to information about the physical and structural state of the statue will help identify potential risks.
- Knowledge gained from analyzing the SHM results can be used to create safer and better designs for similar structures.