

Enhancing safety for the EOT crane operator

Situation

- Structural cracks were discovered in the connection between the operator cabin and the crane.
- The earliest available maintenance window was 6–8 months away.
- **Operational safety** needed to be ensured in the meantime.

Solution

- Deployed 16 sensor probes on the cabin's structural components.
- Enabled continuous, real-time monitoring with daily condition updates.
- Set up **automated email alerts** to flag significant crack growth.



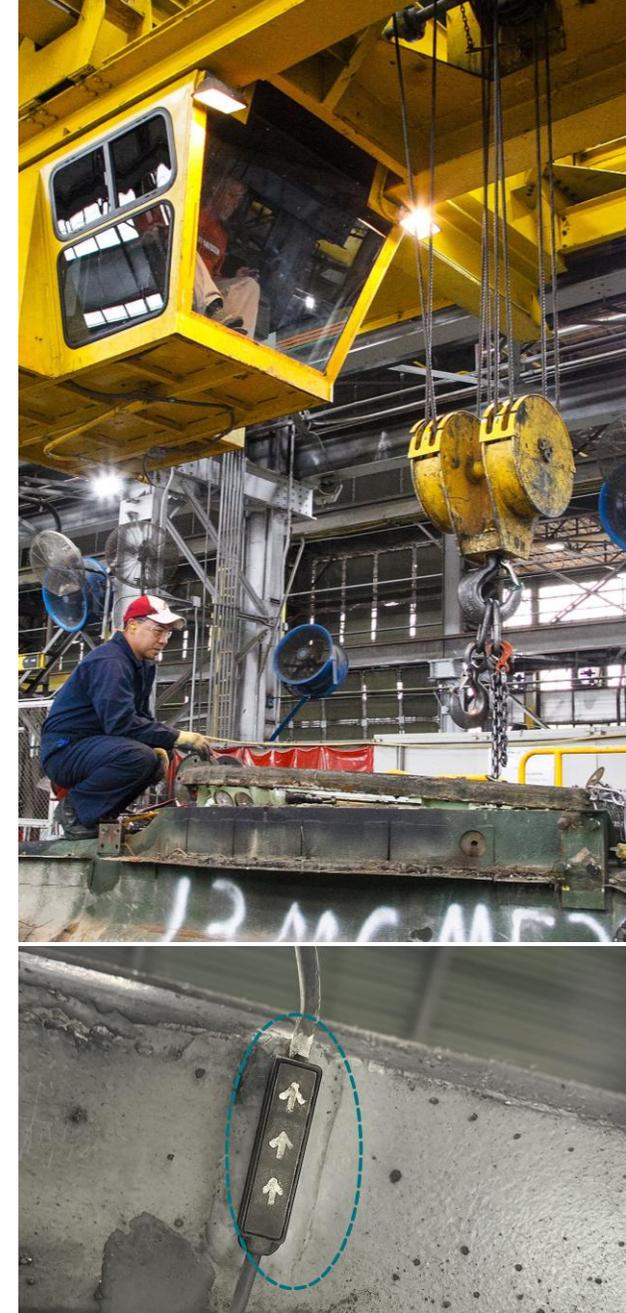
60 tons
lifting capacity



16
sensor probes
installed



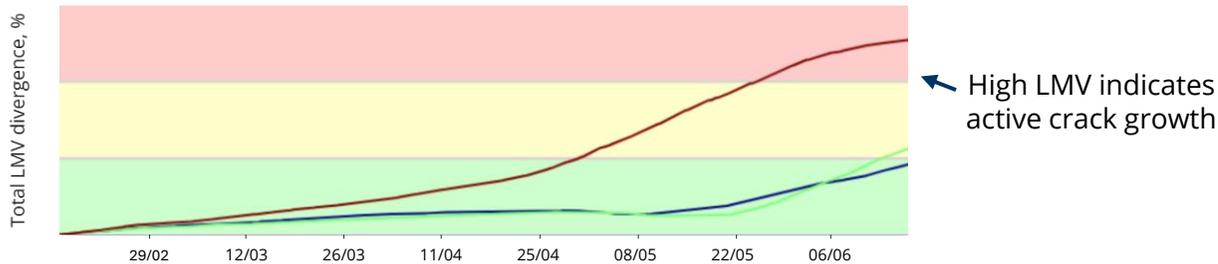
4 times
more cost
effective



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Results

- Villari system detected major crack progression within 3 months.
- Prompt action was taken: the crane was shut down and emergency repairs carried out.
- A potentially **life-threatening incident was averted**.



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