CASE STUDY · ILLUSTRATIVE SCENARIO

# A gas storage operator: pilot predictive maintenance on *two compressors*, not the fleet

What an executive should do first

Sources: Deloitte; McKinsey via ReliaMag; MaintainX 2026 (n=2,234)

CASE STUDY · ILLUSTRATIVE SCENARIO

# Mid-size storage operator, six compressor trains

Poor maintenance strategy can cost an asset *5% to 20%* of its productive capacity. Mature predictive programs report *30% to 50%* less downtime. Pilots often stall.

**5-20%**
capacity lost to poor maintenance (Deloitte)

**30-50%**
downtime cut, mature programs (McKinsey)

**58%**
use AI in maintenance (MaintainX 2026)

> Benchmarks are ceilings for mature programs, not promises for a first pilot.

Sources: Deloitte; McKinsey via ReliaMag; MaintainX 2026 (n=2,234)

CASE STUDY · ILLUSTRATIVE SCENARIO

# Five steps from pilot to *decision rights*

1. **Fix the basics**
   Preventive and reliability-centred maintenance first.

2. **Pick 1-2 critical assets**
   Enough run time to build a baseline.

3. **Baseline the cost**
   Record downtime hours and maintenance spend today.

4. **Run in shadow mode**
   Model alerts beside planners for six months.

5. **Scale what survived**
   Extend only after a measured gain.

Sources: Deloitte; McKinsey via ReliaMag; MaintainX 2026 (n=2,234)

CASE STUDY · ILLUSTRATIVE SCENARIO

# Start with the *decision*, not the platform

- One asset class, one owner
- One baseline before any model

**cardan-ai.com/en**

Sources: Deloitte; McKinsey via ReliaMag; MaintainX 2026 (n=2,234)