



How a Major Oil & Gas Company

AVOIDED \$20 MILLION IN COSTS

{ In Unplanned Maintenance and Downtime }

Challenges:

\$4 Million

The loss each day from production stoppage



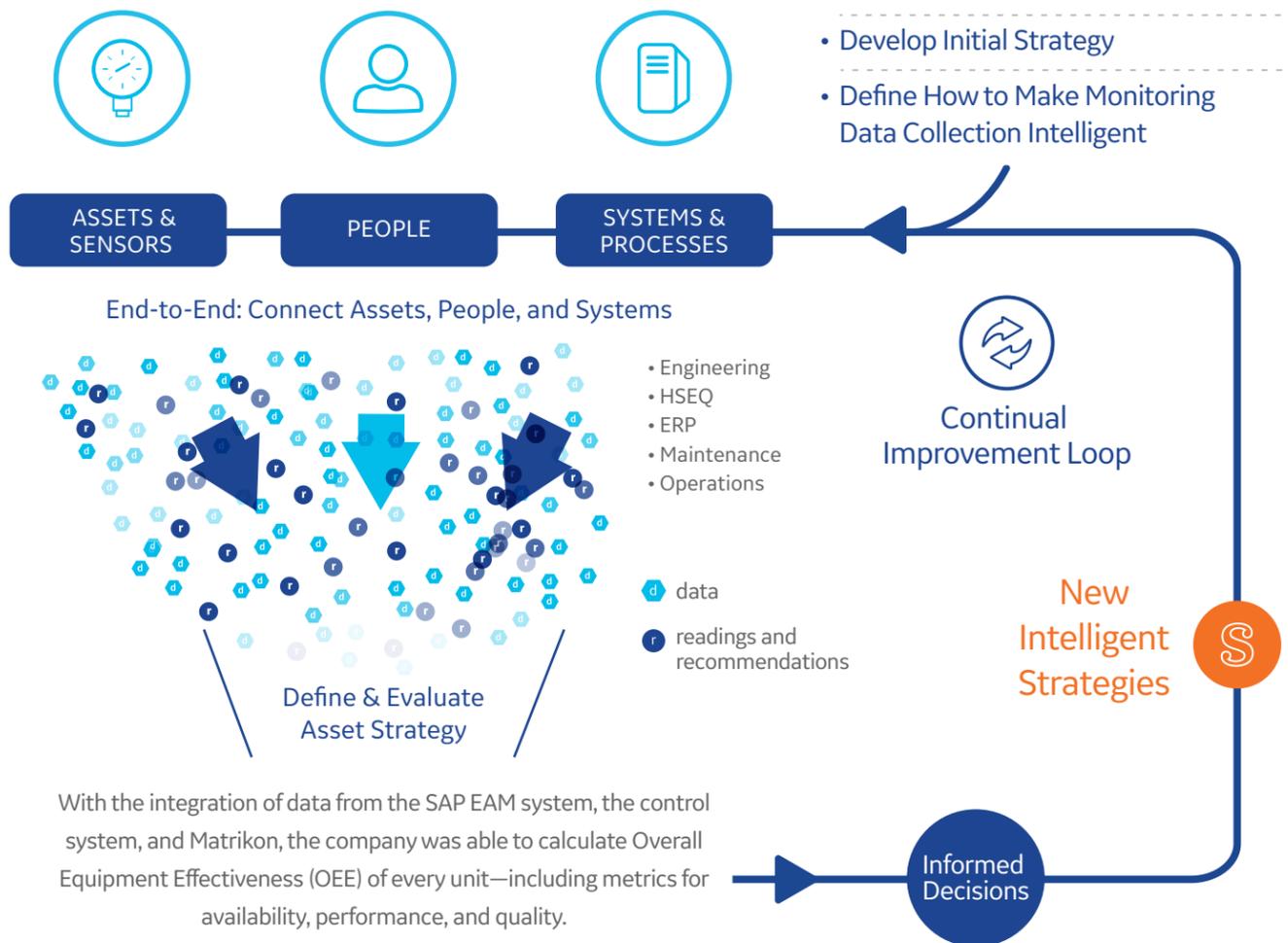
If any asset fails (even a small component, such as a flow transmitter), all production stops. And that becomes very costly, very quickly.

- Needed to identify the most critical assets
- Inability to discover which assets were the bad actors
- Needed to change from a spreadsheet mentality to one of knowledge capture and sharing
- With a shortage of skilled labor and a very mobile workforce, it was important to put operating data in a location and in a format usable by all

Solution:

Context & Priorities

- Essential to lengthen trending analysis and integrate that data across functions
- Essential to consolidate reporting
- Use the bad actor information along with downtime data from PLA to determine criticality ratings for their assets



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Results:

After implementing APM:

- Avoided more than \$20 million in unplanned maintenance costs and downtime
- Identified 55 bad actors in a single plant
- Cut downtime reporting from 1.5 hours to less than five minutes
- Added breakdown indicators and cleaned all data from the EAM
- Provided 16 days early warning of critical pump failure
- Overcame internal cultural barriers by making production loss personal at all levels in the organization

The Benefits of APM:



GE Digital's APM is the only solution that can combine real-time data with human experience, operating parameters, analytics, and connectivity to create intelligent asset strategies that continuously improve over time.