

## WHAT DOES IIoT BY HONEYWELL LOOK LIKE?

### A Case Study for the Offshore Oil and Gas Industry

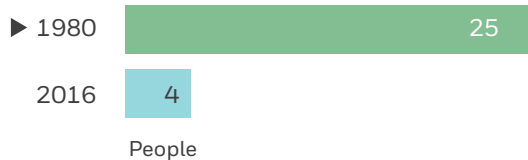
An Industrial Internet of Things approach connects people to assets, automates predictive analytics, and enables increased collaboration. See how it's making a difference for offshore oil platforms with reduced production losses and unplanned downtime, and increased safety and regulatory compliance—resulting in a **6X return on yearly investment**.

### ASSET TYPES

✕ Floating structures   ✕ Fixed structures   ✕ FPSOs   ✕ 300+ wells

### THE PROBLEMS

- Asset portfolios growing in size and complexity
- Engineers “fighting” instead of proactively optimizing
- No structured way to preserve knowledge
- Inconsistent surveillance
- Leveraging expertise across the enterprise
- Dwindling manpower on offshore installations



### THE IIoT by HONEYWELL SOLUTION

With Honeywell, IIoT-ready solutions provide:



Connectivity: from sensor to cloud



Big Data analytics for automated surveillance

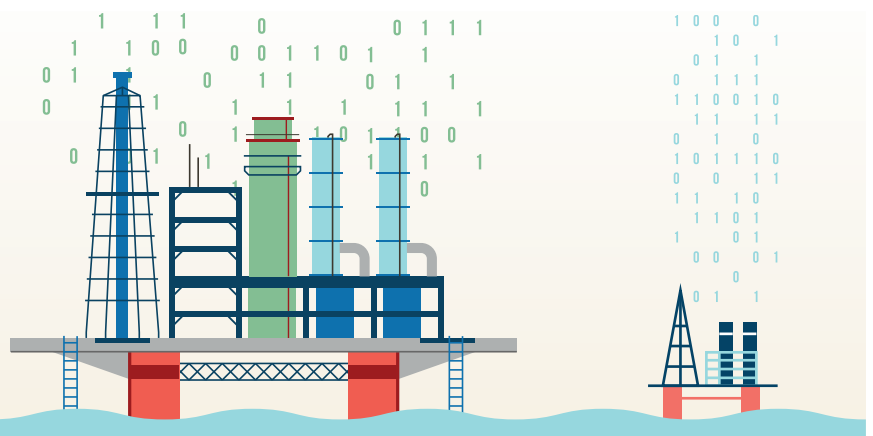


Automated early event detection



Centralized collaboration environments

What does IIoT by Honeywell for upstream look like? From a Big Data perspective, it looks like 200K online analytics running per day and over 20M data elements processed per day.



### THE RESULTS

Typical benefits in the \$30-60M range from fewer production losses and less unplanned downtime to better regulatory compliance and optimized use of resources.

This was achieved by finding more ways to use data to run a smarter operation:

**1** Safer operations with fewer staff required onsite

**2** Consistent operating procedures and continuous monitoring

**3** A more focused engineering staff

**4** Improved equipment uptime