IoT in Oil & Gas

Marty Reed, CEO

Fueling the energy transition
The IoT World Today

- Honeywell
  - SCADA
  - PLCs
  - Configuration

- Baker Hughes
  - SCADA
  - PLCs
  - Configuration

- Suncor
  - Proprietary, legacy systems
  - SCADA
  - PLCs
  - Configuration

- Evok
  - Drill rig operator
Doesn’t scale in a world like this:

Global IoT Market Size and Forecast, 2015 - 2024 (US$ Billion)

CAGR 21.1% (2016 - 2024)

Source: Variant Market Research
Why should we care?
Solution: Inspect sites remotely, get proactive alerts
- Simple, efficient online site inspections
- Check for leaks, pumpjack movement, tank levels
- Automated activity & equipment notifications

Results:
- 50% labor and vehicle cost reductions
- Improved incident response
- Reduced tailpipe emissions

Reduce CO₂ emissions by 10 tons/operator
74% reduction in methane venting
20% increase in production
22% reduction in costs

Brian Pugh, BP’s head of Lower 48 operations, is thrilled. “In six months we went from concept to proven. It works on every type of well—plunger, rod pump, all of them.” Early results are more than promising. "In 10 years every new well will have these sensors,” says Pugh.
What do we need to work on?
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evok INNOVATIONS
Breaking down silos:
What do we need to work on?

**10 Million**
New ‘things’ are connected to internet

Iot
Devices go dark to device makers and device owners
The greatest hackers playground ever created
Thank you.