



# FIELDBIT

SUPER TECHNICIANS

## Using AR Technologies for Maintenance of Critical Equipment

*Digitalization and Automation in the Oil and Gas  
Industry – Challenges and Opportunities*

June 18<sup>th</sup> 2018  
Tel Aviv, Israel

# FIELDBIT AT A GLANCE



Enterprise Wearable and  
Immersive Technologies

The company provides an enterprise grade system which enables visual hands-free collaboration between field service personnel, experts, management and end-users by using augmented reality, real-time video, smart glasses and cloud computing

# Opportunity:

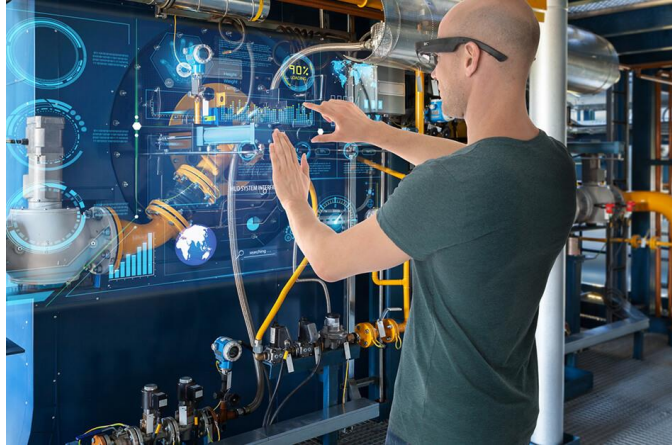
Getting more from existing oil fields is the most profitable production available

How do you achieve that in a cost constrained environment?

*“Often, the key is simply to make sure the fields pump every day of the year, reducing downtime”*

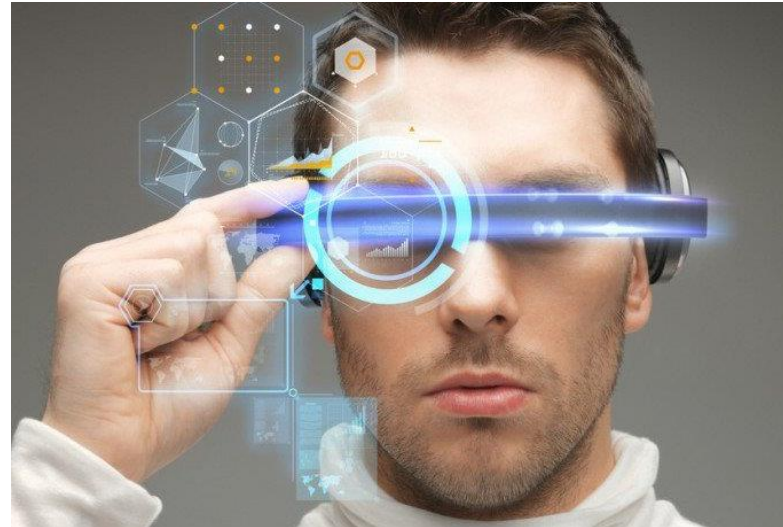
Aging Oil Fields Defy Gravity to Pump More Crude: Bloomberg March 9 2018

# Fieldbit Core Expertise



**Augmented Reality (AR)  
Platform**

**Software for Smart glasses,  
Smartphones & Tablets**



# Oil & Gas - Case Study - US Customer

## Overview

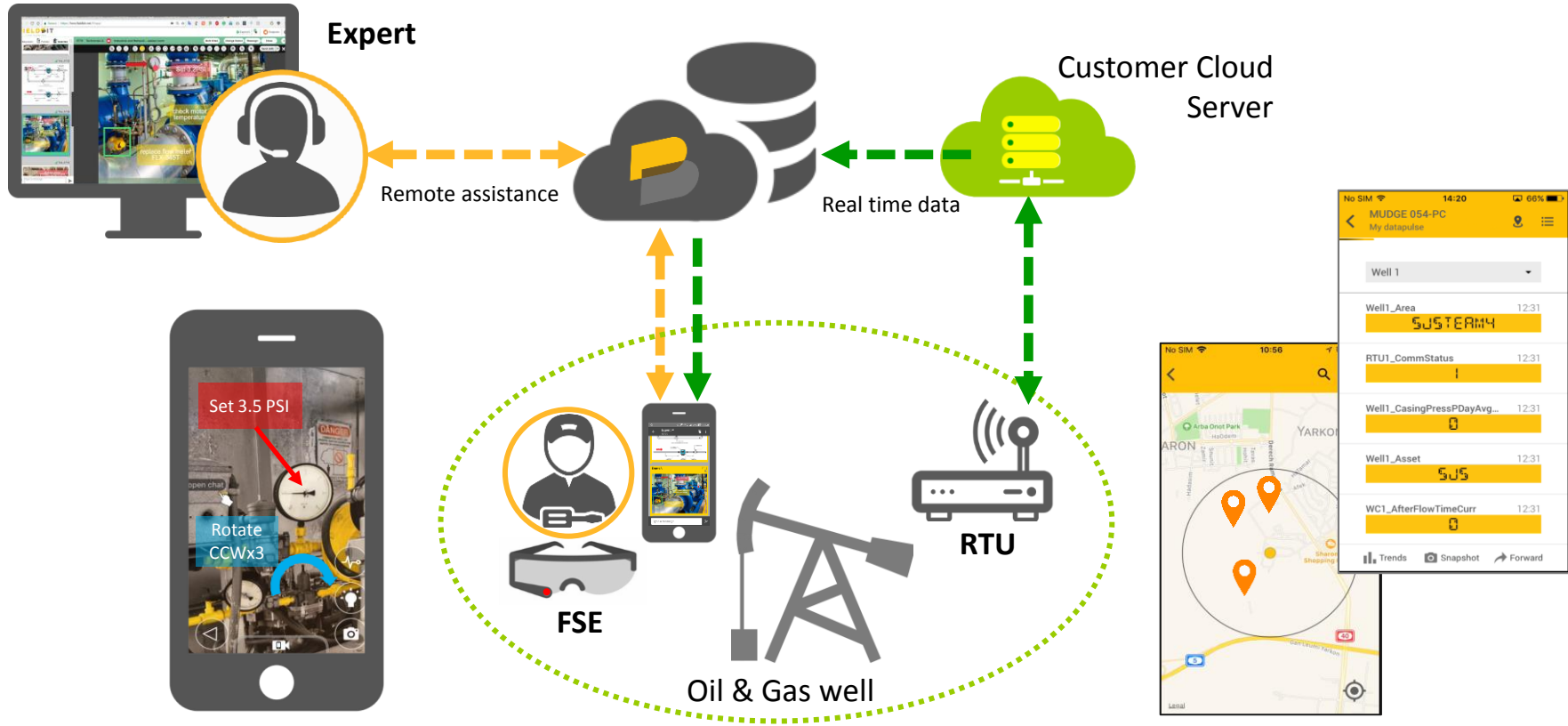
- On-shore oil & gas exploration
- Over 13,000 wells
- Complex automation and control equipment scattered across large geographical areas

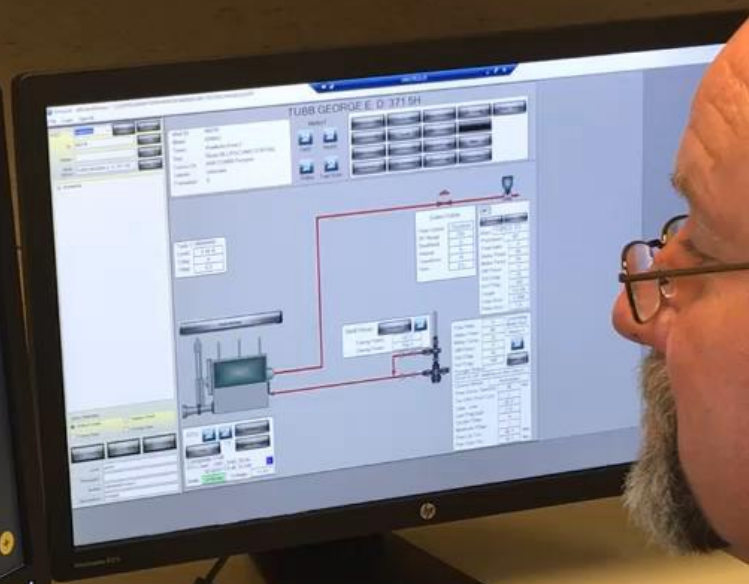
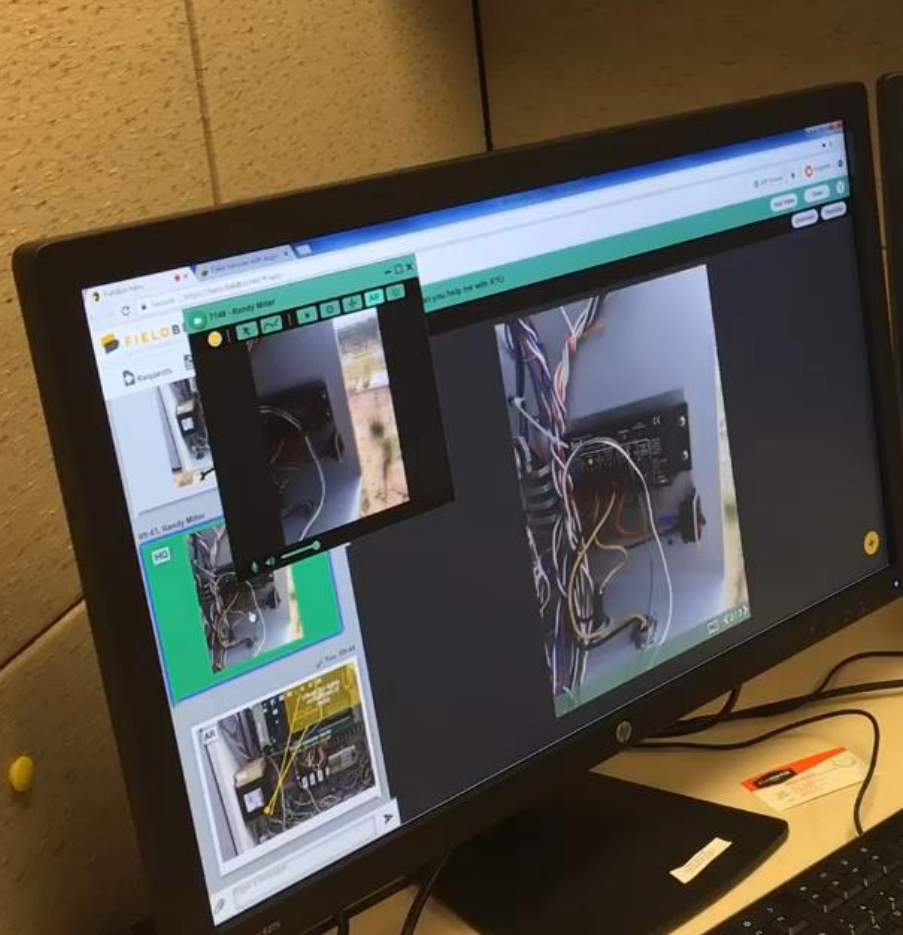
## Before Fieldbit

- Experts were required to drive long distances frequently to fix problems on site
- Long time to resolve technical issues
- High production losses
- Inefficient operation and backlog of service calls



# Oil & Gas - Solution Architecture



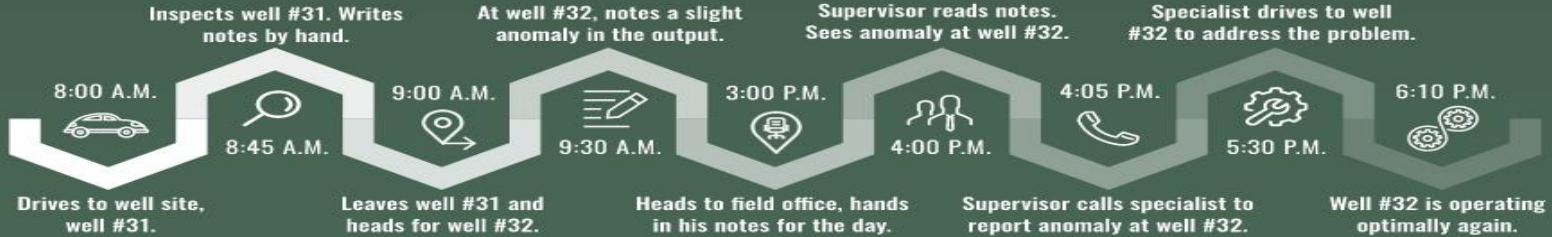




# A DAY IN THE LIFE OF AN OIL AND GAS FIELD TECHNICIAN

MOBILE TECHNOLOGY IS RAPIDLY CHANGING HOW NATURAL GAS WORKERS SPEND THEIR TIME.

## BEFORE



## AFTER



# Project Results

- Significant reduction of experts' travels
- Decrease of production losses by 25%
- Change in service organization structure
- Access to real-time data by field personnel
- Hundreds of engineers equipped with the Fieldbit system



What used to take  
8 site-visits and 15 days





THANK YOU

