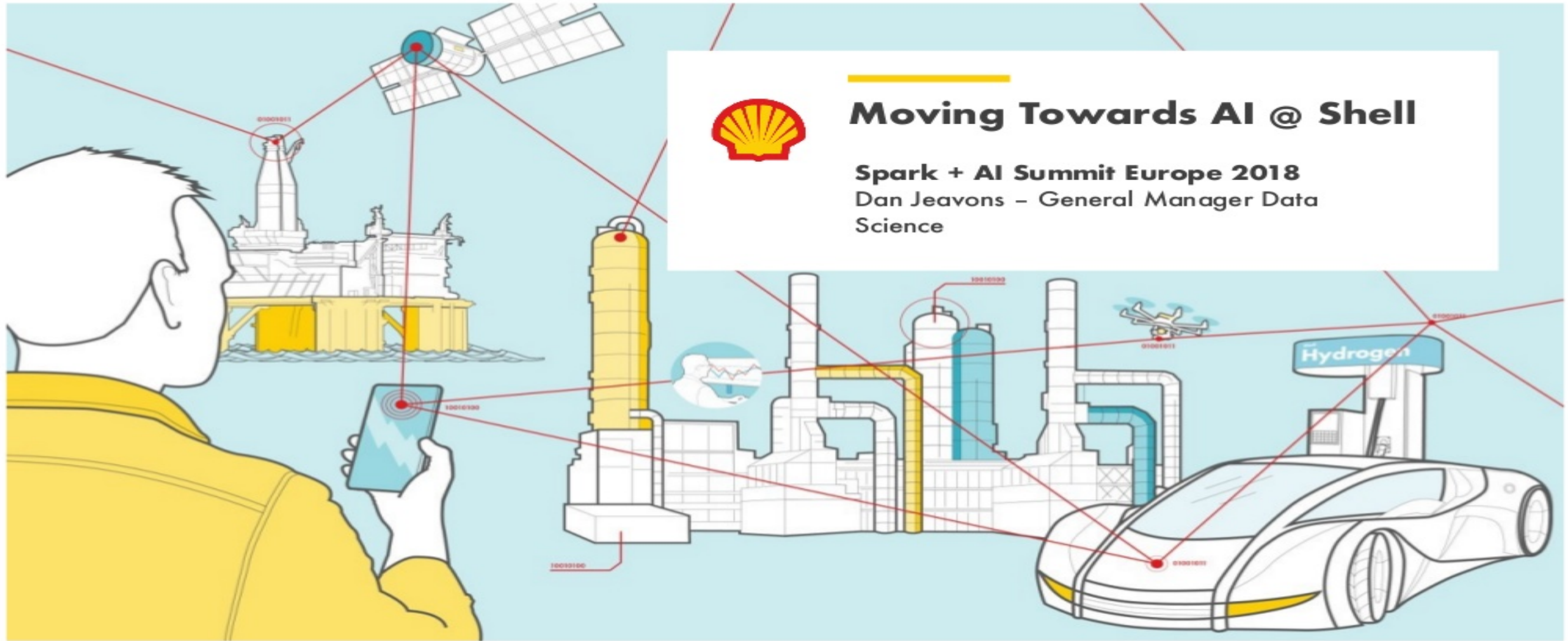




# Moving Towards AI @ Shell

**Spark + AI Summit Europe 2018**

Dan Jeavons – General Manager Data Science



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# Digitalisation has a role in tackling climate change

## ENERGY

Digital technologies can enable the integration of renewables onto the grid, improve efficiency and heighten transparency.

## HEALTH

Digital technologies will put "a doctor in your pocket," allowing users to manage their own health via their smart device.

## BUILDINGS

Digital technologies will increase comfort and reduce energy and water bills.

## WORK & BUSINESS

Digital technologies enable telecommuting, virtual conferencing and save employees time and money.

## FOOD

Digital technologies can help raise productivity and reduce food waste onto the grid, improve efficiency and heighten transparency.

## LEARNING

Digital technologies can make education accessible, engaging, flexible and affordable.

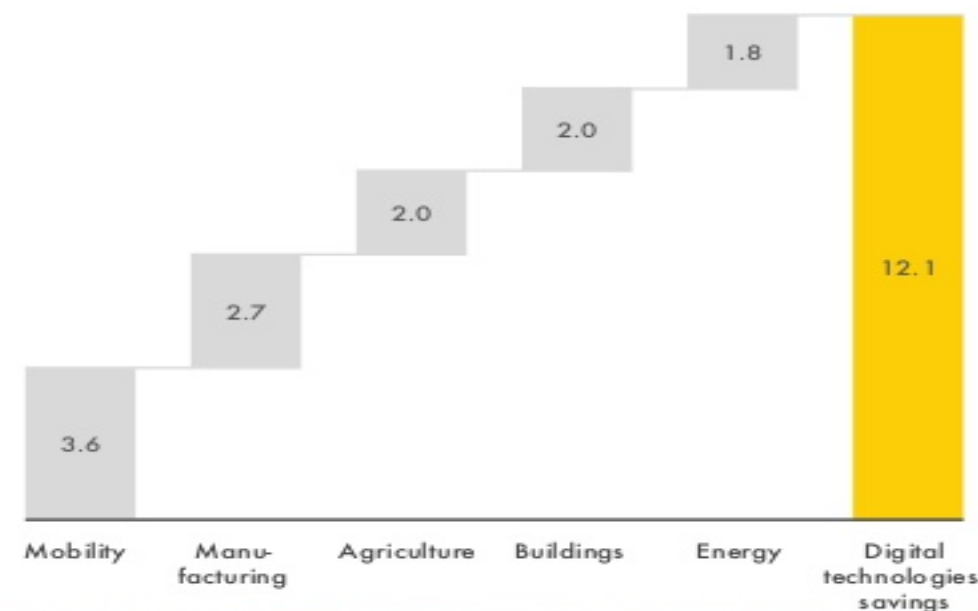
## MOBILITY & LOGISTICS

Digital technologies can help everyone reach their destinations faster, cheaper and safer.

## MANUFACTURING

Digital technologies will place the customer at the center of a user focused service, cutting resource inputs at the same time.

mtCO<sub>2e</sub> abatement potential by sector (2030)



Global e sustainability initiative Smarter 2030 report

# Opportunities

## GeoDesic

Optimized Well Drilling through improved Geosteering

## GeoCrawler & SaltCrawler

More efficient and effective Subsurface Interpretation

## iBlend

Improving Blending processes for Lubricants

## Video Analytics for Retail

Alerting Retail Station Service Champions to Unsafe Behaviour

## Reward Engine (LION)

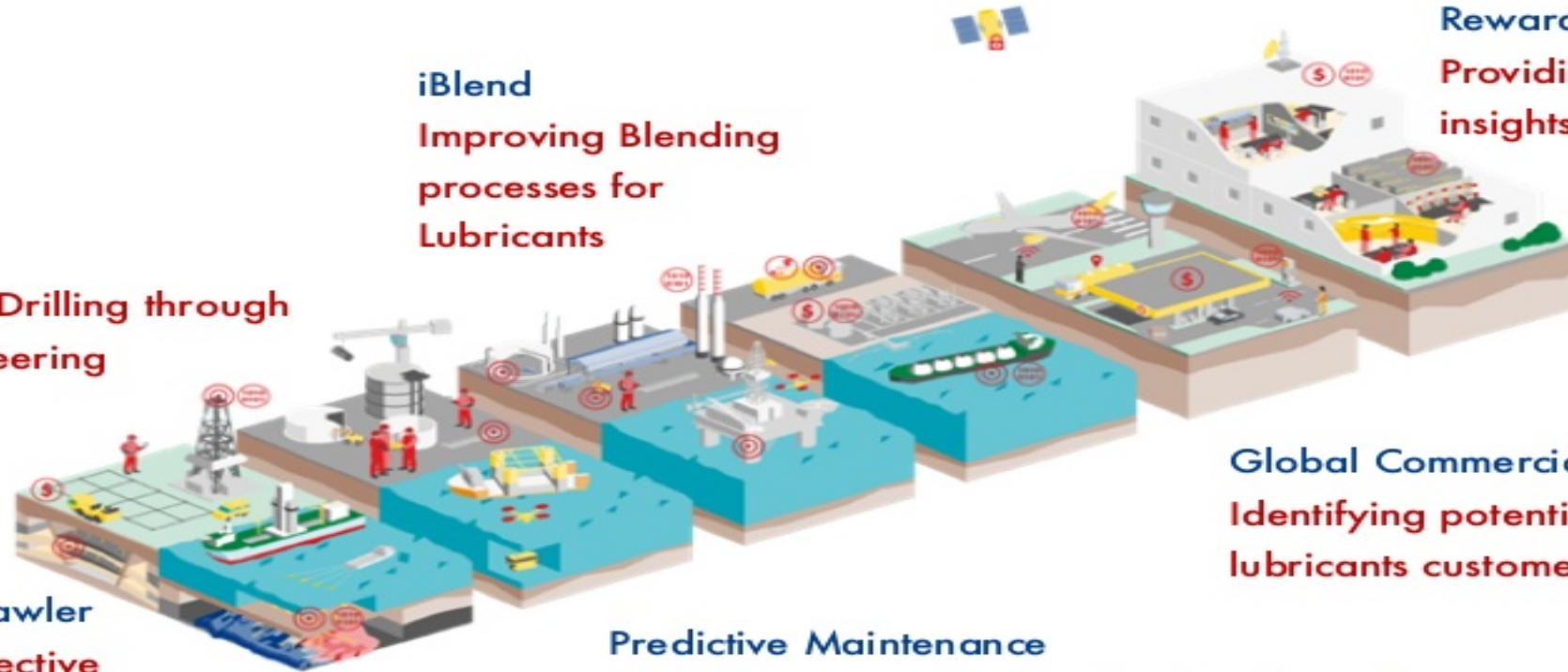
Providing improved customer insights to tailor offers

## Global Commercial Lead Identification

Identifying potential leads for B2B lubricants customers

## Predictive Maintenance

Predicting anomalies in critical equipment like compressors and valves





## The Intelligent Cloud & Intelligent Edge





## Developing a Cultural Shift for AI Adoption



## Building Momentum

**2,000+**

Members of the Analytics Network

**120+**

Data Science Professionals in the Digital CoE

**550+ Users of Digital Lab**

Our standard workbench for Data Scientists,

**100+**

Data Science projects in flight across Shell. Projects in every major business and function

**15**

Digital Accelerator Projects Selected by the Executive Committee

**40+**

Network events in 2018

**7+**

Hackathon Events in 2018





<http://www.shell.ai>

Making Energy Smarter



