

# The Culture of Connected Things

*ENABLING DIGITAL LEADERS*

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# WHY CONNECTED THINGS, IOT, DIGITAL TRANSFORMATION ?



# ALL COMPANIES MUST BECOME GREAT SOFTWARE COMPANIES



Peter Schwarzenbauer, member of BMW management,  
<https://www.nytimes.com/2017/02/08/business/germany-bmw-daimler-volkswagen-uber.html>

# BMW GROUP - EVOLVING THE CONNECTED CAR

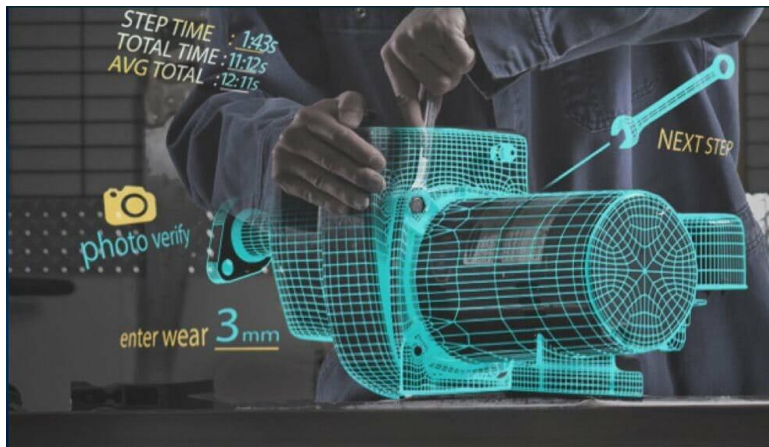


***Digital customer experience, connected and automated driving and digitalized business processes lead to a transformation of the BMW Group towards software and services.***

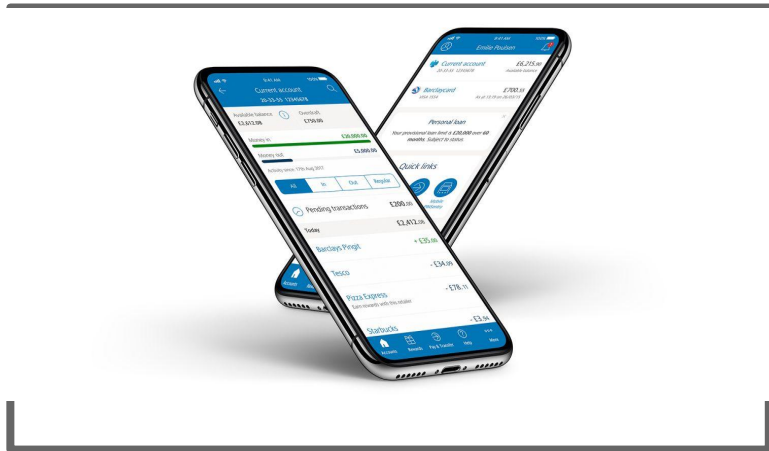
**“The Ultimate Driving Machine”**

# EXAMPLES OF USE CASES

## Augmented reality for on site inspection



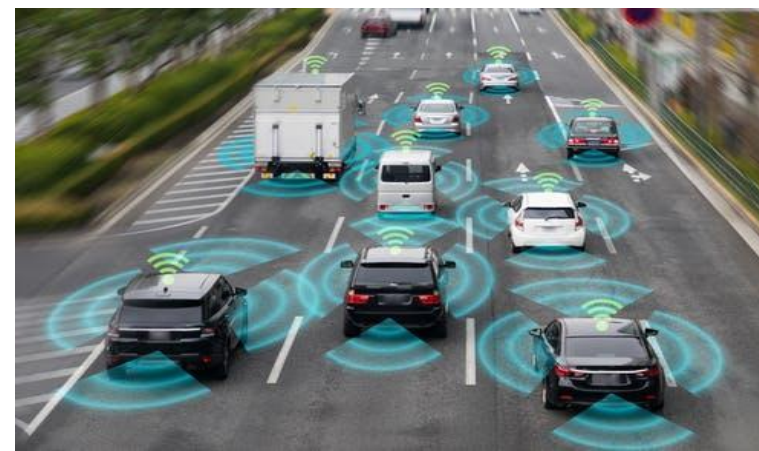
## Customer Experience



## Predictive Maintenance for production

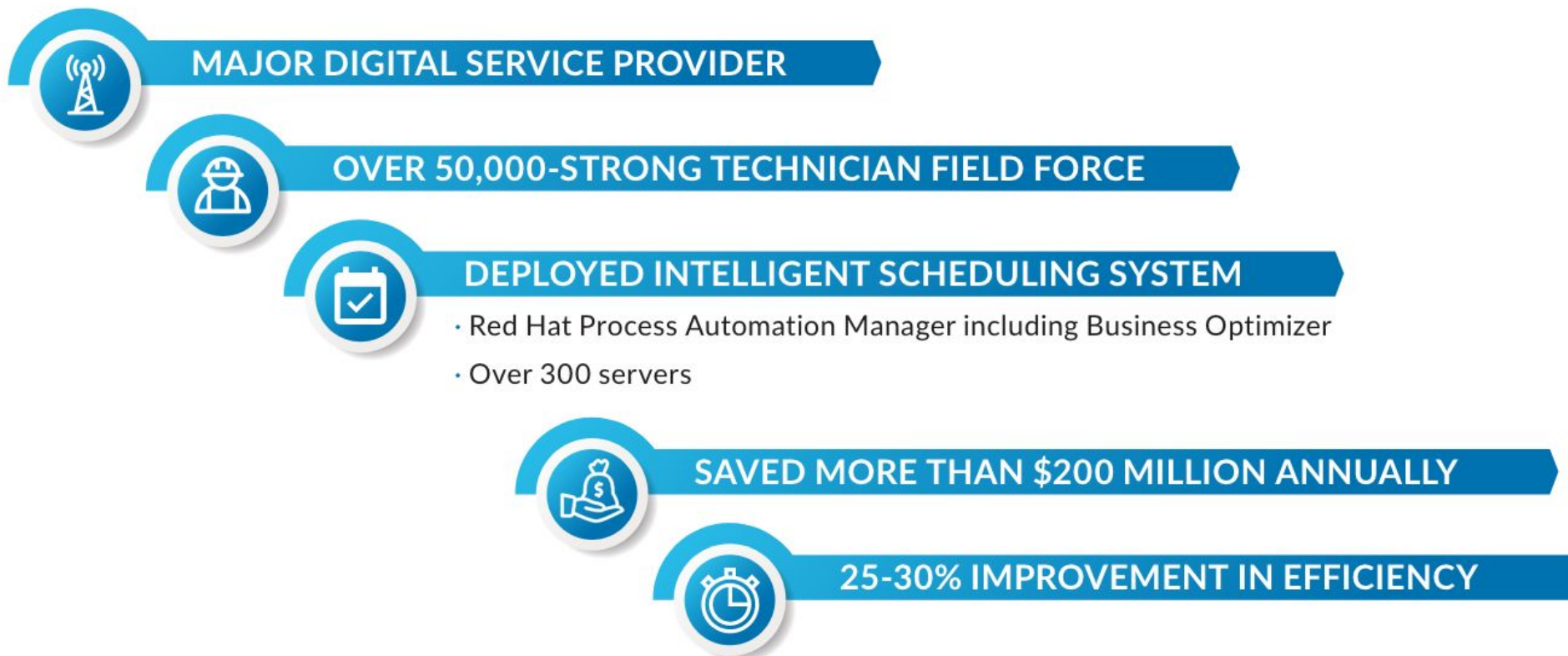


## Autonomous vehicles



# OPTIMIZING FIELD OPERATIONS W IOT REAL-TIME INSIGHTS

## Case Study: Vehicle Route Optimization and Field Service Scheduling



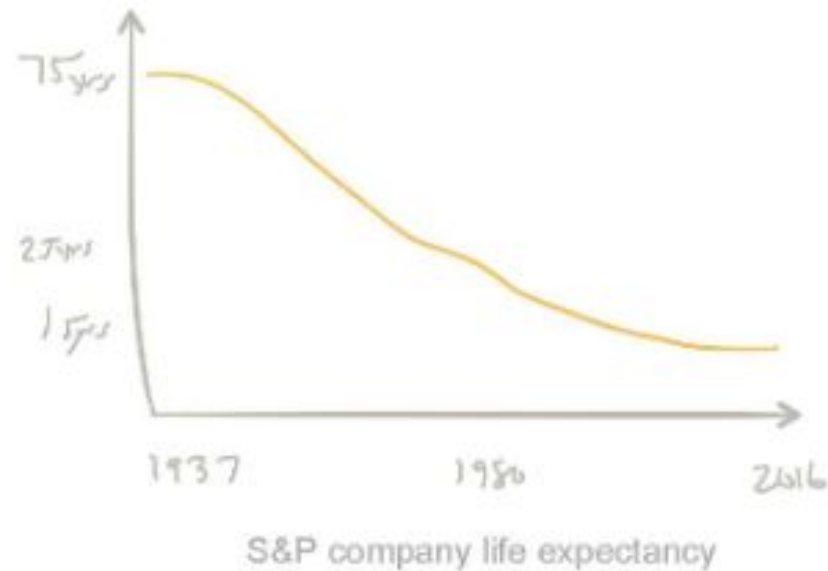
# ENABLING YOUR ORGANIZATION TO BECOME A DIGITAL LEADER



# WHY IS INNOVATION IMPORTANT ?

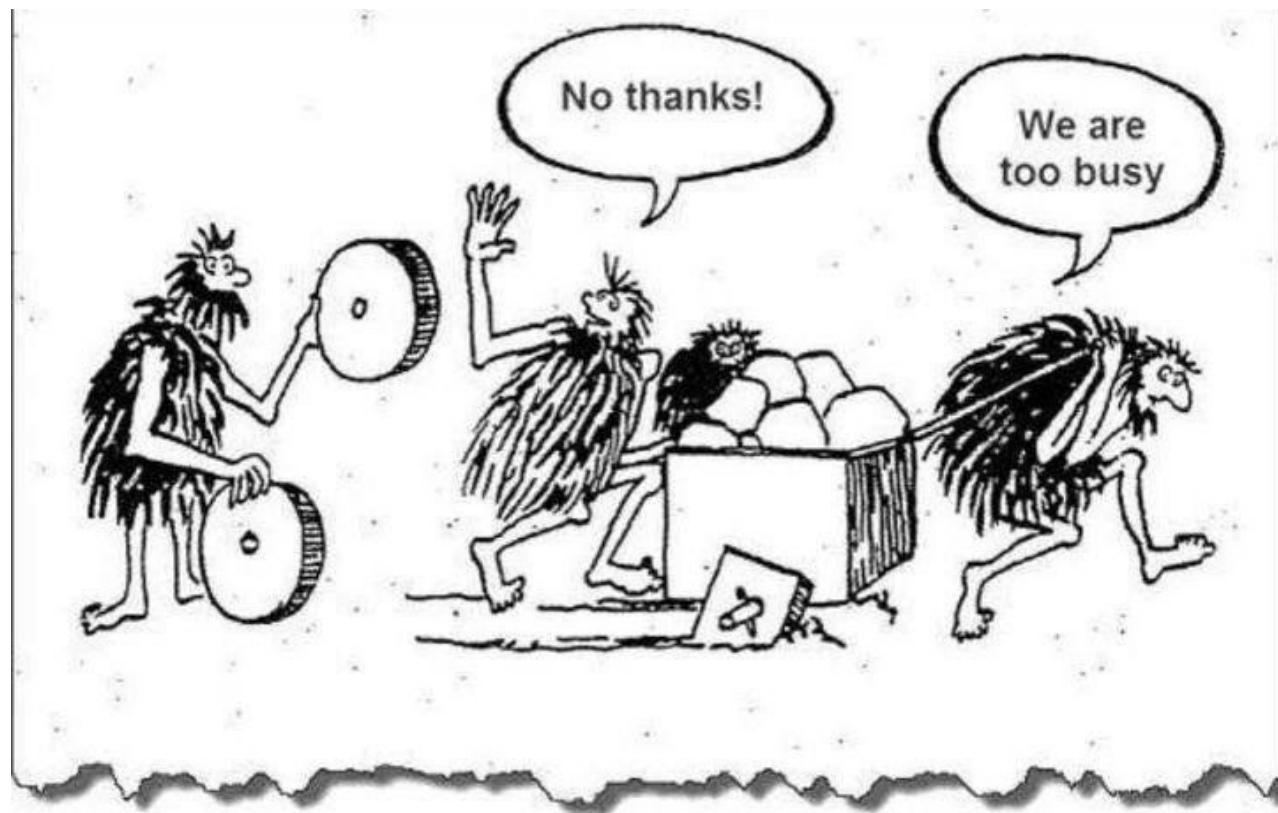
If change is happening on the outside faster than on the inside the end is in sight.

*Jack Welch, former CEO, GE*





# THE REALITY FROM THE FIELD





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Asahi Tekko reduced expenditure by an estimated ¥300 million per year with [#RedHat](#) solutions. Find out how: [red.ht/2ywgHhd](https://red.ht/2ywgHhd)

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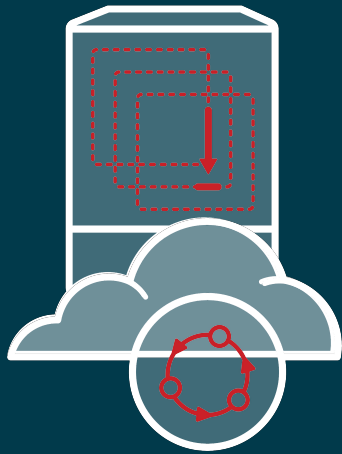
“The attraction of open source software is that **people in the communities create what they want** to use themselves. That investment makes work happen faster and produces more **innovative results.**”

TETSUYA KIMURA  
PRESIDENT AND REPRESENTATIVE DIRECTOR

**ASAHI**  
旭鉄工業株式会社

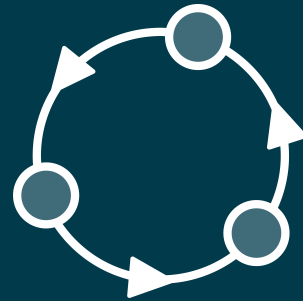
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# BECOME A DIGITAL LEADER



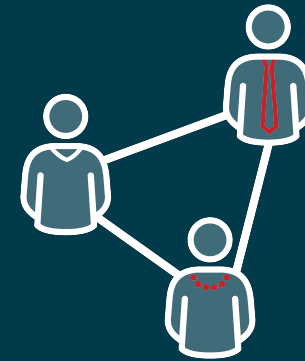
## NEXT-GENERATION ARCHITECTURE

New ways of developing, delivering, & integrating applications, processes and data



## AGILE PROCESSES

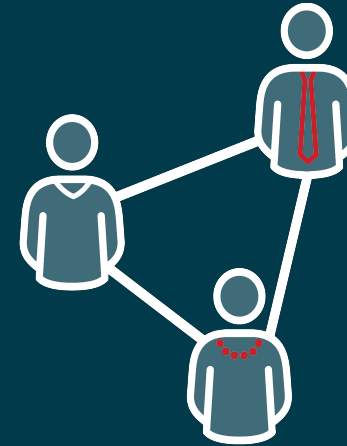
New ways of doing things across both IT & the business



## COLLABORATIVE CULTURE

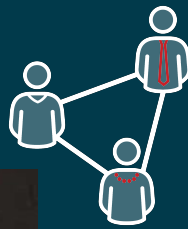
New ways of working together & building organizations

# THE POWER OF OPEN ENABLING DIGITAL LEADERS



## COLLABORATIVE CULTURE

New ways of working together  
& building organizations



# THE **OPEN** ORGANIZATION



WATCH THE VIDEO

IGNITING PASSION AND PERFORMANCE

<https://www.redhat.com/en/explore/the-open-organization-book#>

# “OPEN” POWERS INNOVATION



**JUST START**



**Avoid long-term roadmaps.**  
Plan just enough to start.



**Break big things into small chunks.**  
Work incrementally.



**Use rapid feedback cycles.**  
Try daring new things, but fail fast.



**Automate as much as possible.**  
Use INFRA, TDD, & CI/CD.

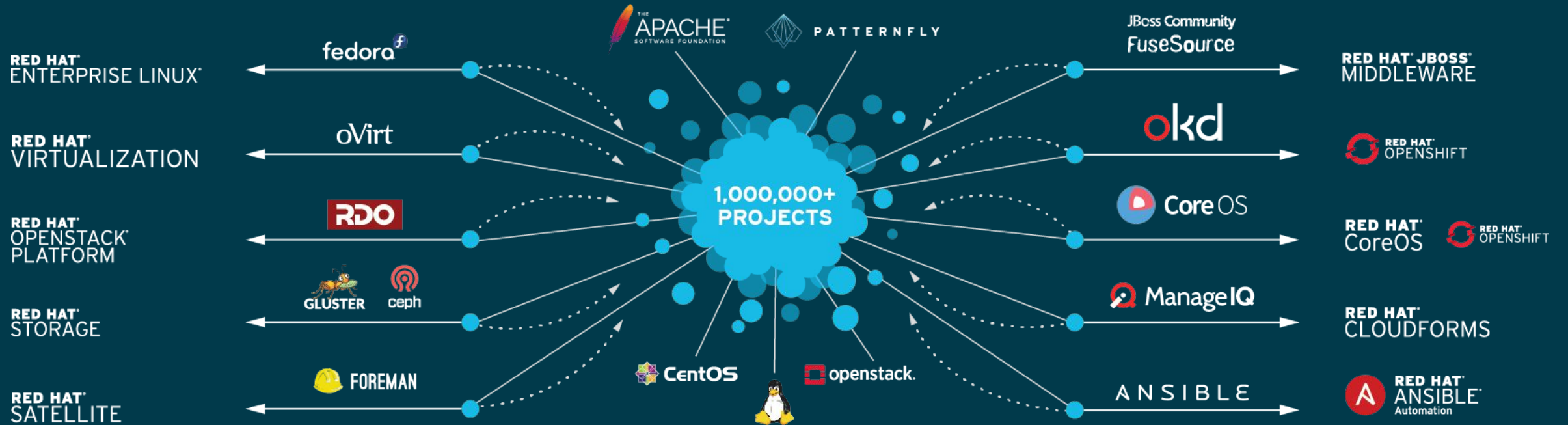


**Build new skills.**  
Use pairing & mentoring to cross boundaries.



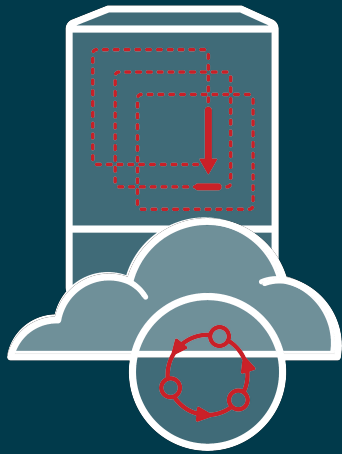
**Experiment to inform strategy.**  
Make small failures into learning opportunities.

# COMMUNITY-POWERED INNOVATION



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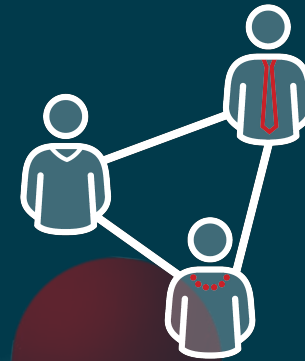
# CONCLUSION



**NEXT-GENERATION  
ARCHITECTURE**



**AGILE  
PROCESSES**



**COLLABORATIVE  
CULTURE**





# WHAT WOULD YOU DO DIFFERENTLY IF *YOU* WERE THE DISRUPTOR?

