

# Enabling digital line of sight

Uncovering the amazing possibilities

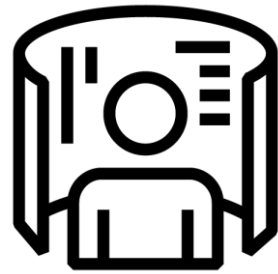
John Stephenson & Phil Robinson



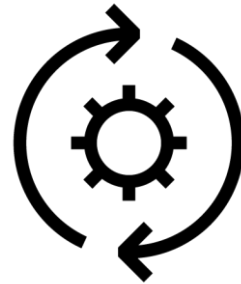
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Let's get digital!



Digital twin



Digital line of sight

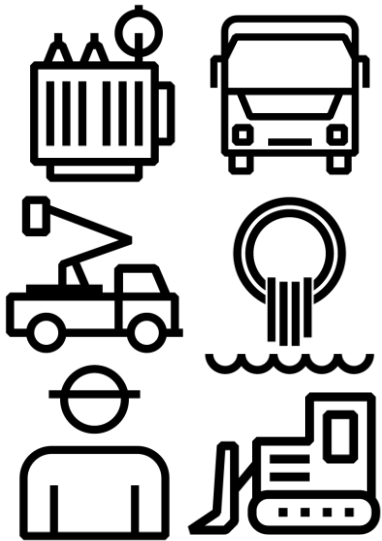


Digitalization



Digital transformation

# From the field to the boardroom



**Assets**  
Field

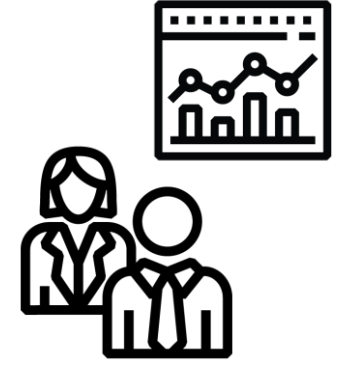
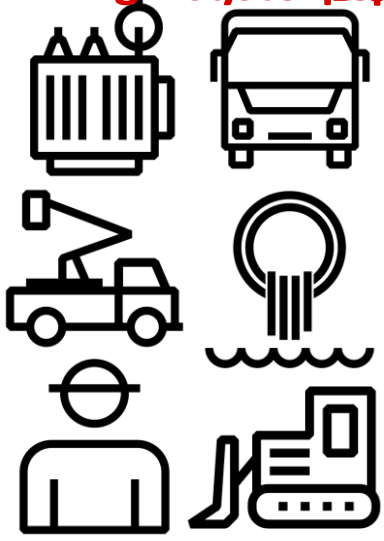
**Network**  
Control room

**Business processes**  
Operations center

**Business strategy**  
Boardroom

# From the field to the boardroom

~~Emergency will be critical. How do we support it in a multi-plant view? Can we do both?  
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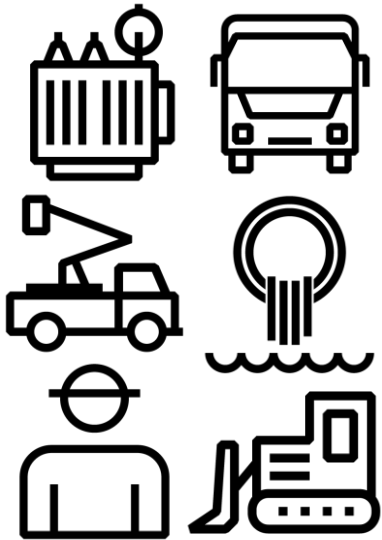
Assets  
Field

Network  
Control room

Business processes  
Operations center

Business strategy  
Boardroom

## From the field to the boardroom



Assets  
Field



Network  
Control room



Business processes  
Operations center



Business strategy  
Boardroom

## Real-world example



**Asset health**  
Predictions &  
recommendations



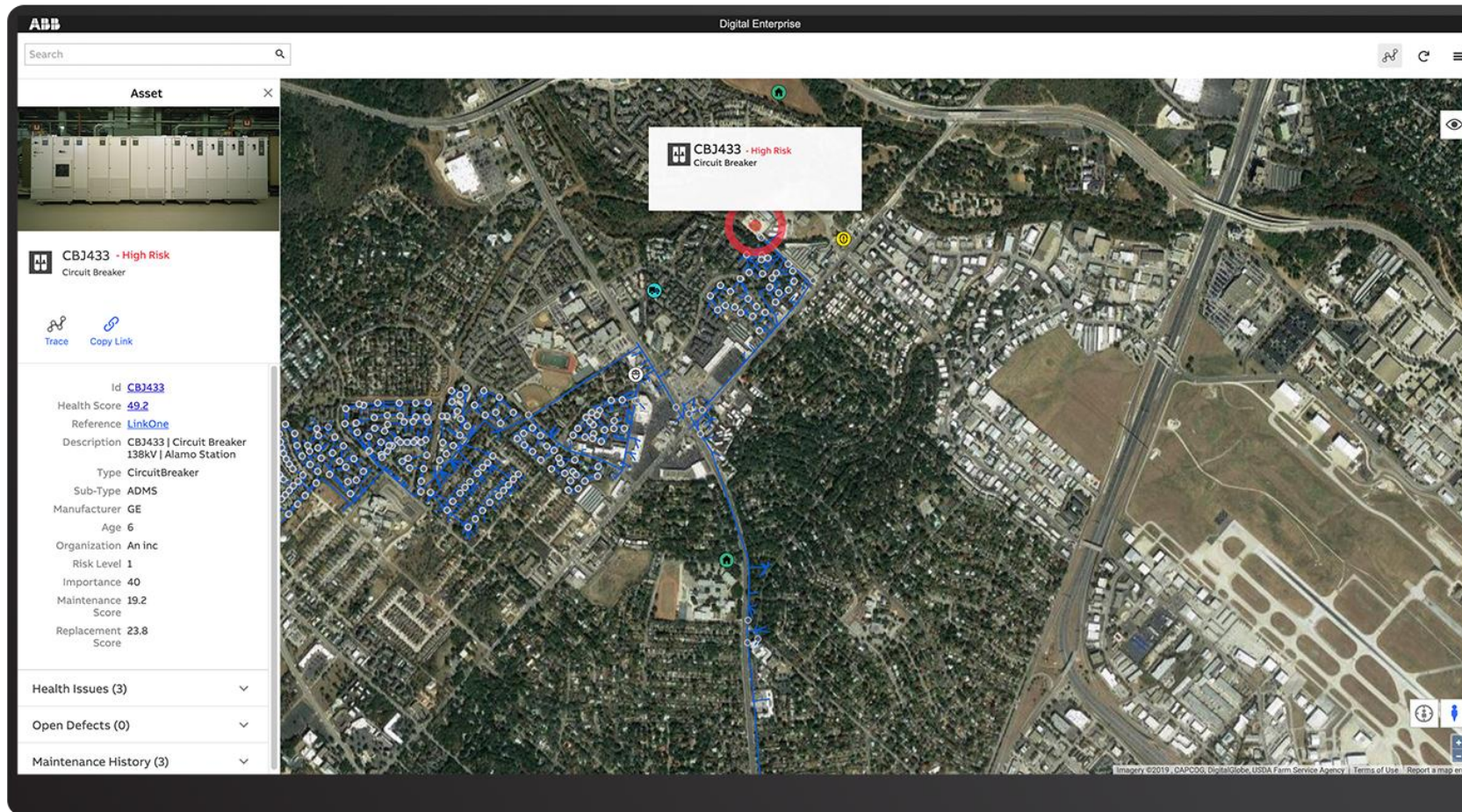
**Distribution management  
system / GIS**  
Operational state of assets



**Traditional EAM**  
Assets & work



**Workforce management**  
Workers and dispatching





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## Two sides to digital transformation

TECHNOLOGY



PROCESS CHANGE





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## Two sides to digital transformation

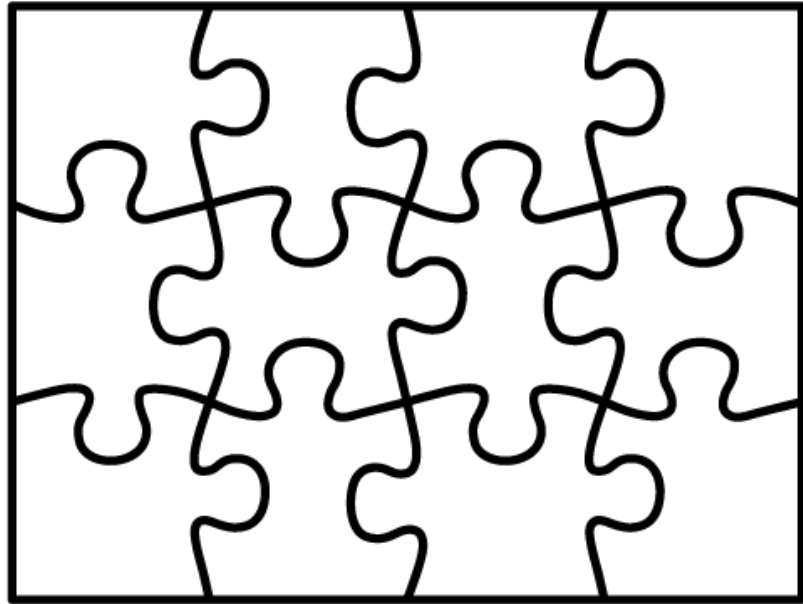
TECHNOLOGY



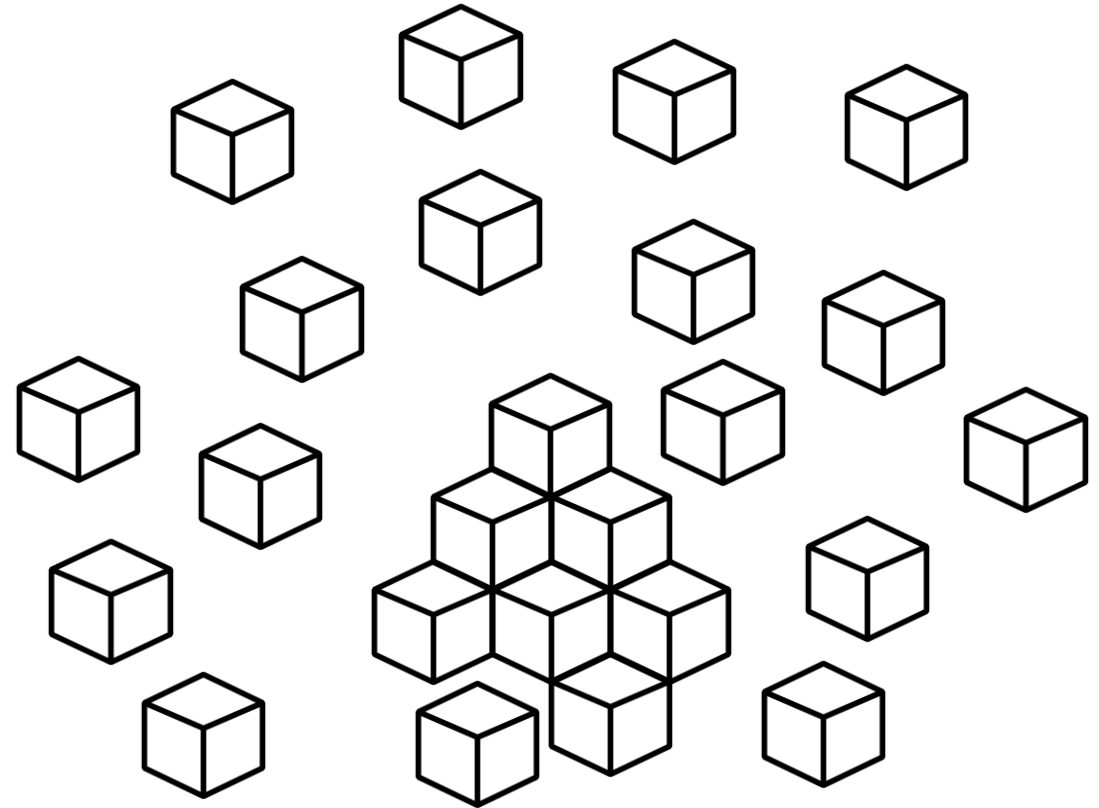
PROCESS CHANGE



Architecture is the foundation



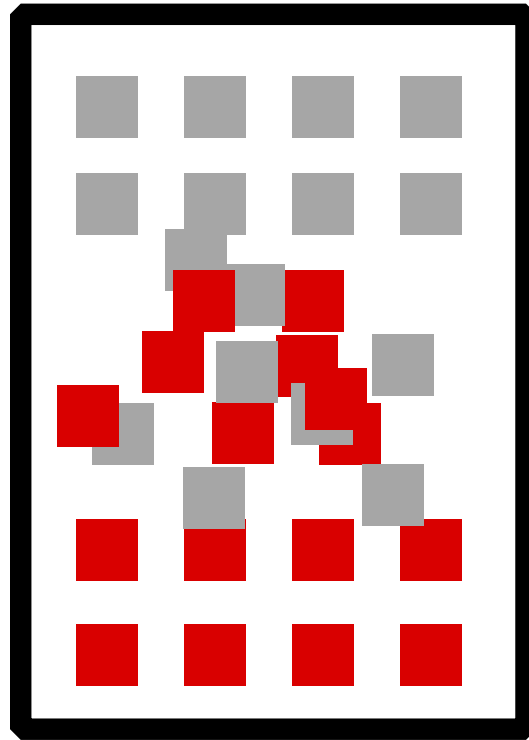
Monoliths



Microservices

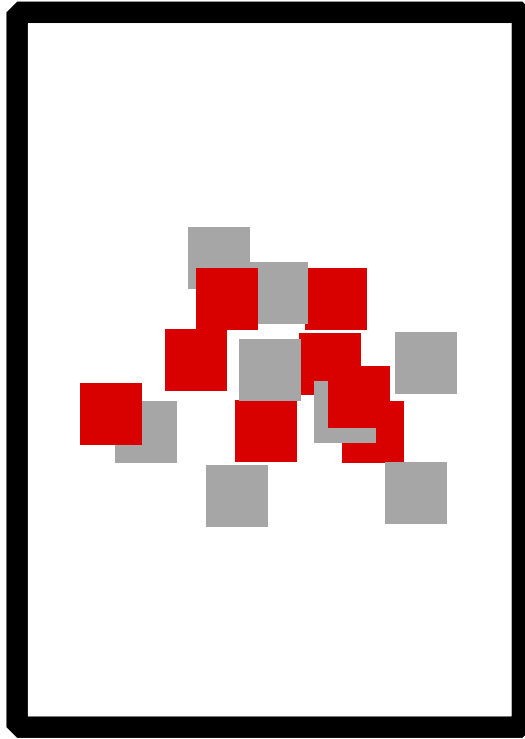
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## Architecture is the foundation



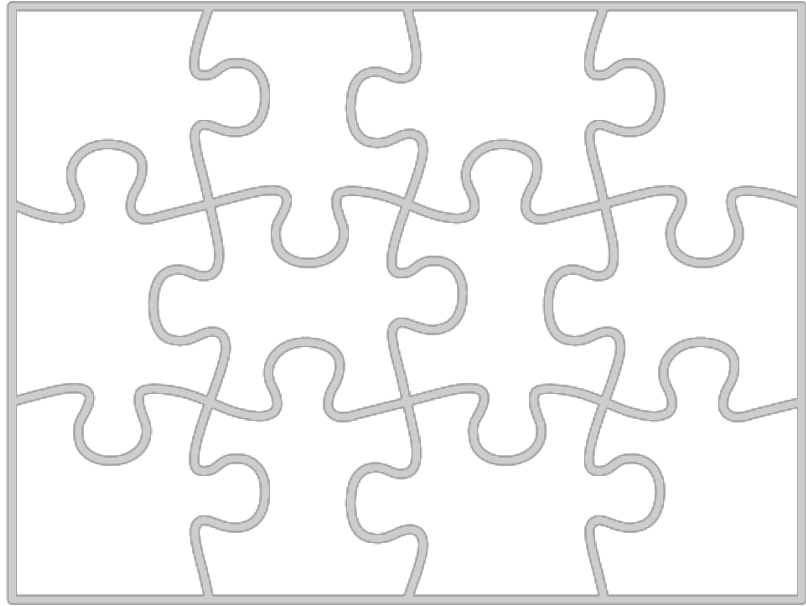
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## Architecture is the foundation

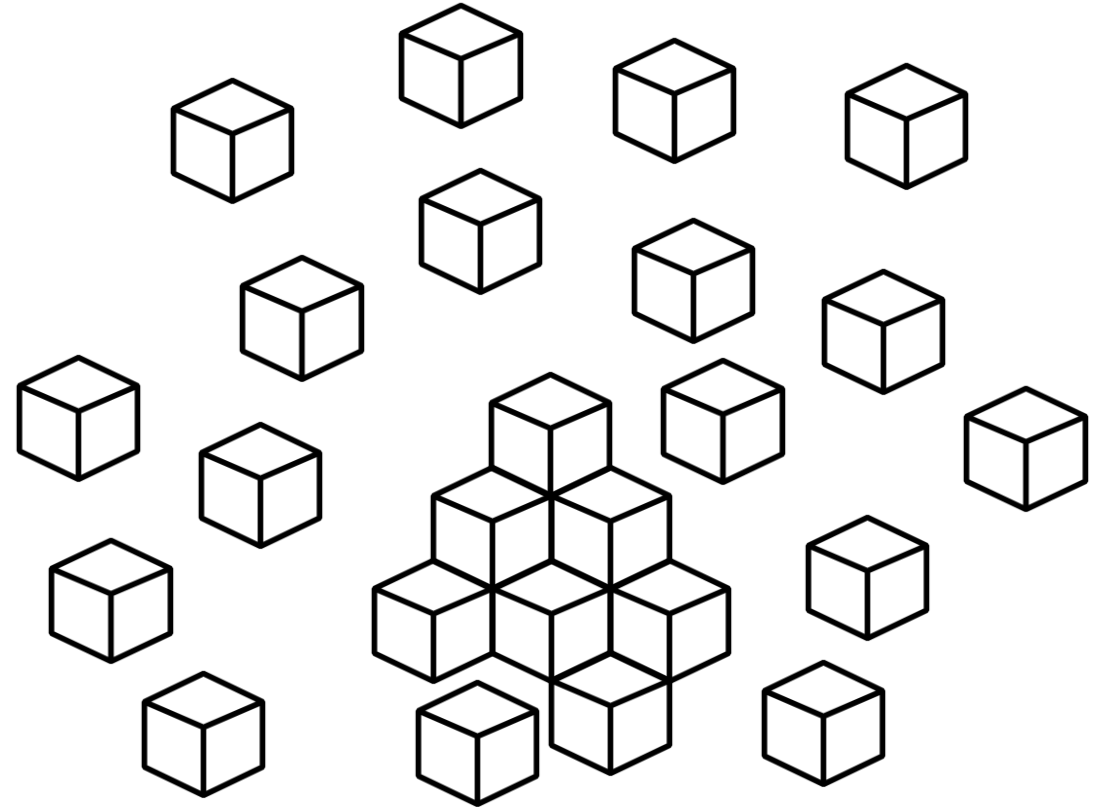


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## Architecture is the foundation

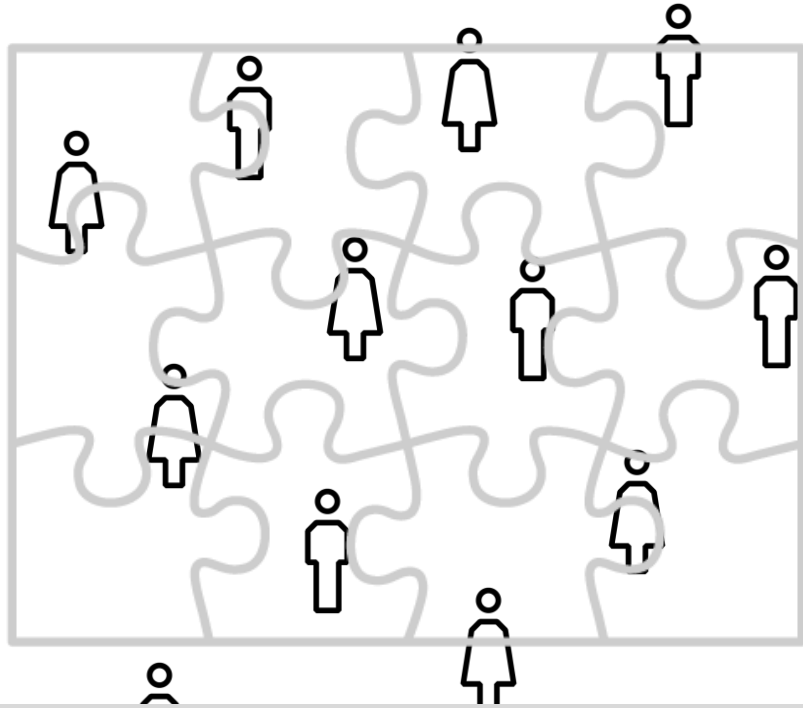


Monoliths

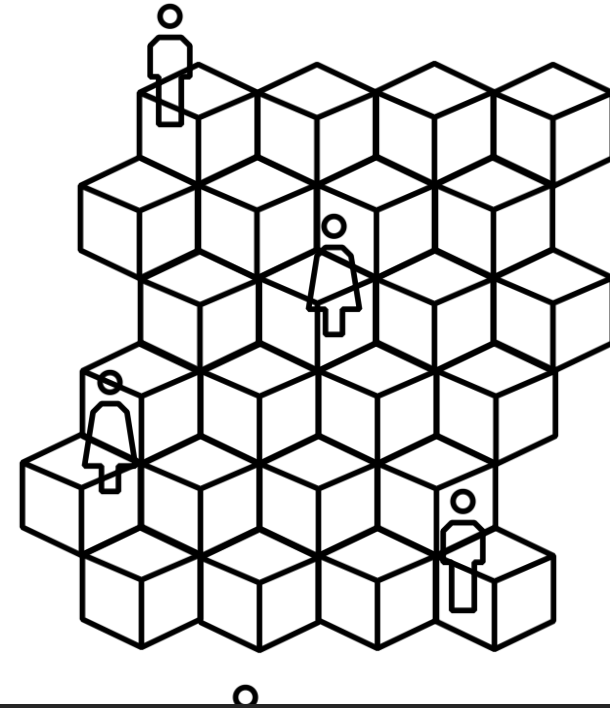
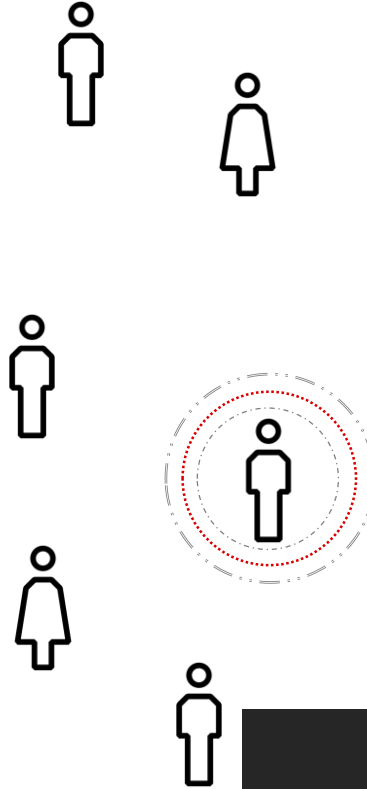


Microservices

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**People are the focus**



Monoliths



Microservices

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## Greater than, less than or equal?

$$7 - 8/2 + 3 \times 4 - 5Y \times 2 + 2 - 6/1 + 5 - 20/4$$

$$Z = Y + 2$$

1

$$3 + 3^2 - 14 + 7 \times Z - 10/5 - 3 \times 5 + 11 - 3 \times 3 - 2$$

$$Y=1$$

2



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## Two sides to digital transformation

TECHNOLOGY



PROCESS CHANGE





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## A transformation story...



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## A transformation story...

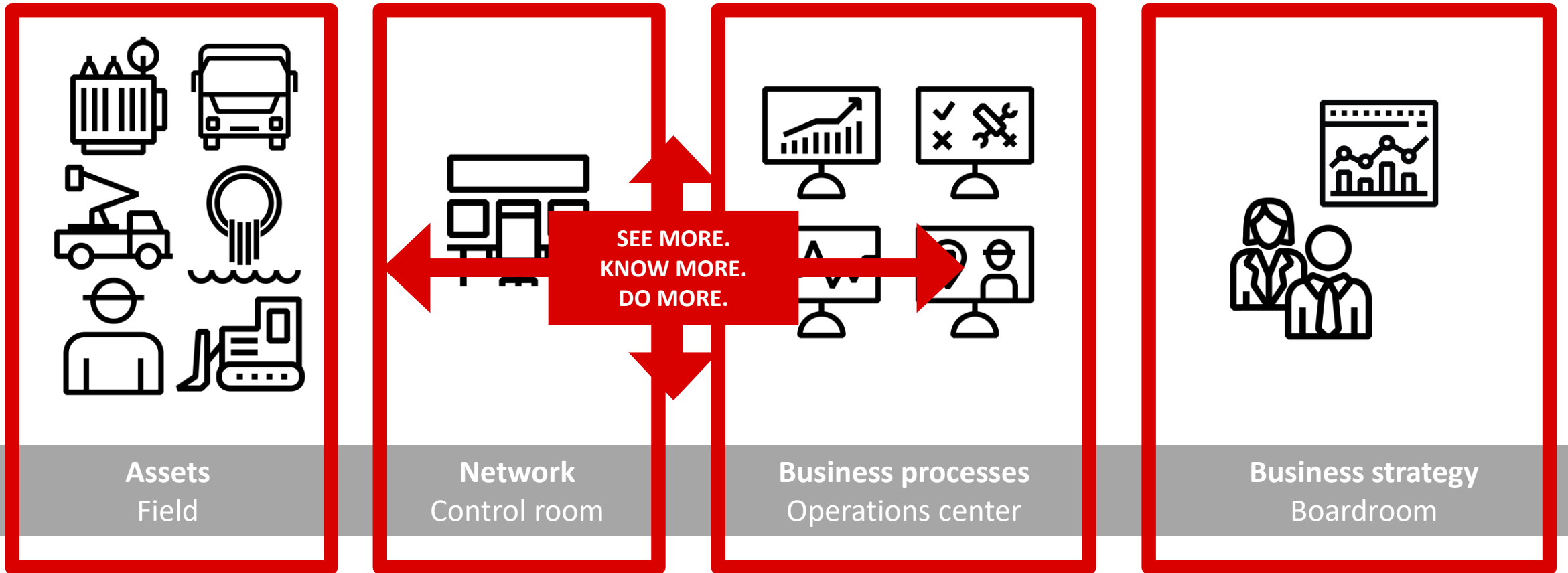


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## A transformation story...



## From the field to the boardroom





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**Discover more:**

<http://new.abb.com/enterprise-software>