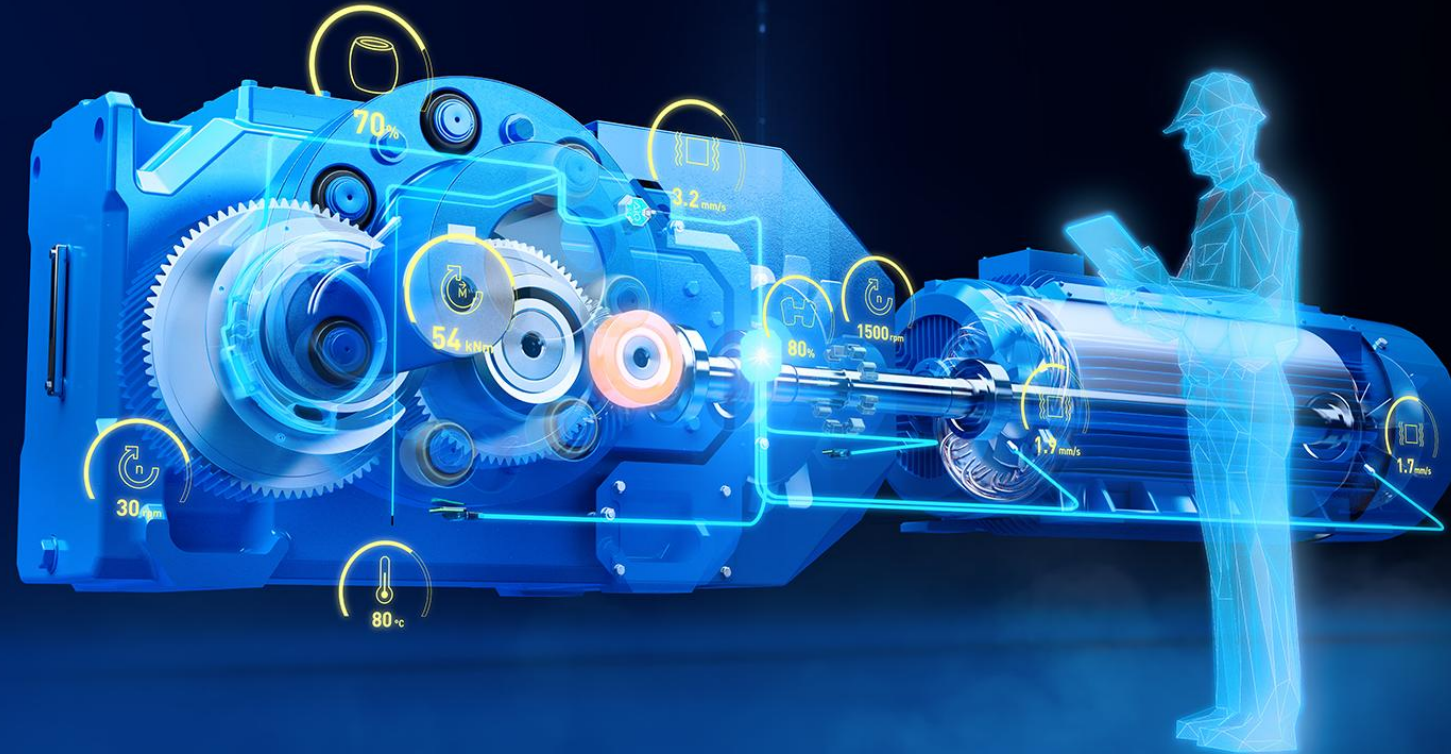
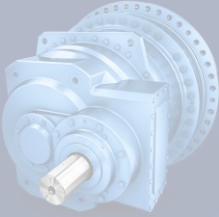
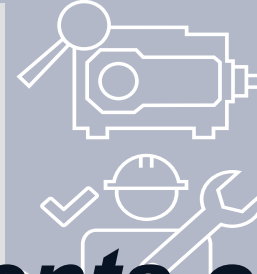
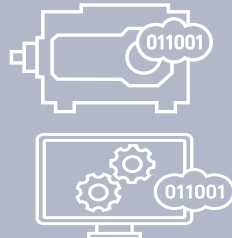




Integrated AIQ systems

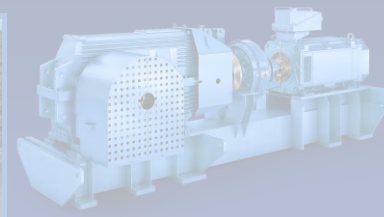
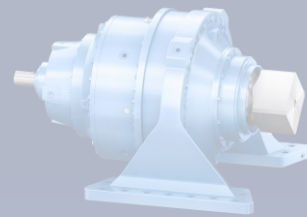
From local diagnosis to cloud-based drive transparency





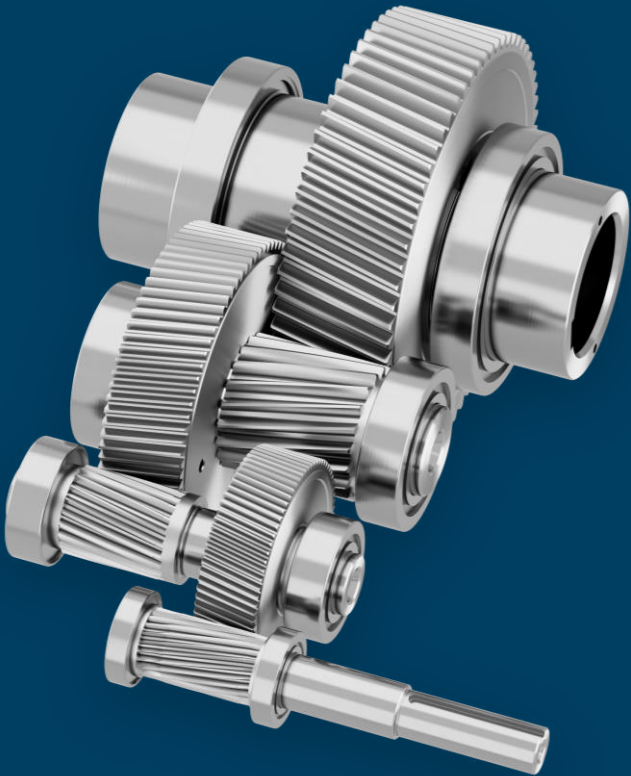
How do we meet the requirements of all these applications?

How do we connect sensors inside the gearbox to the analytics in the cloud?



>3000 AIQ systems delivered in **>30 industries** in **>50 countries** within 4 years.

Gearbox components



Speed



Temperature



Torque



Vibration

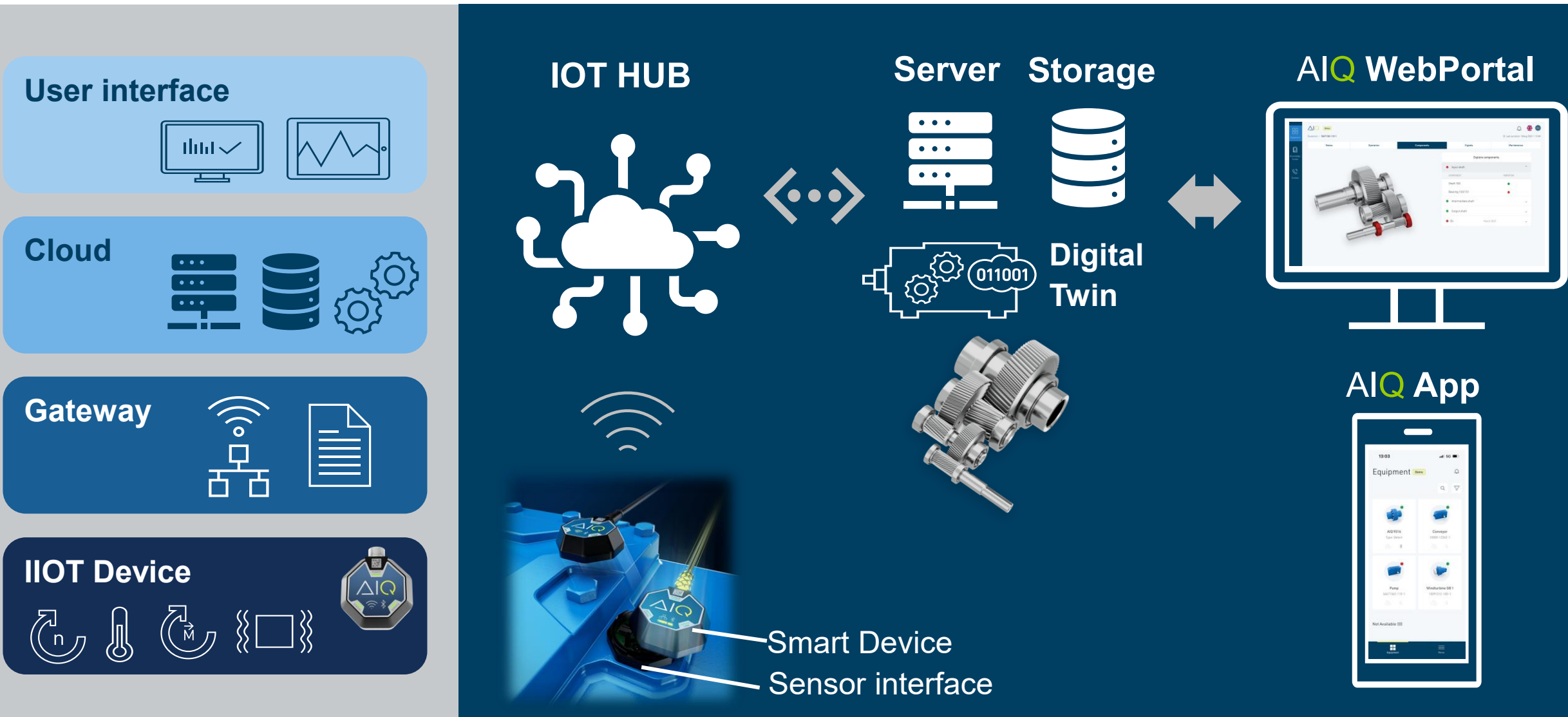


IIOT Device



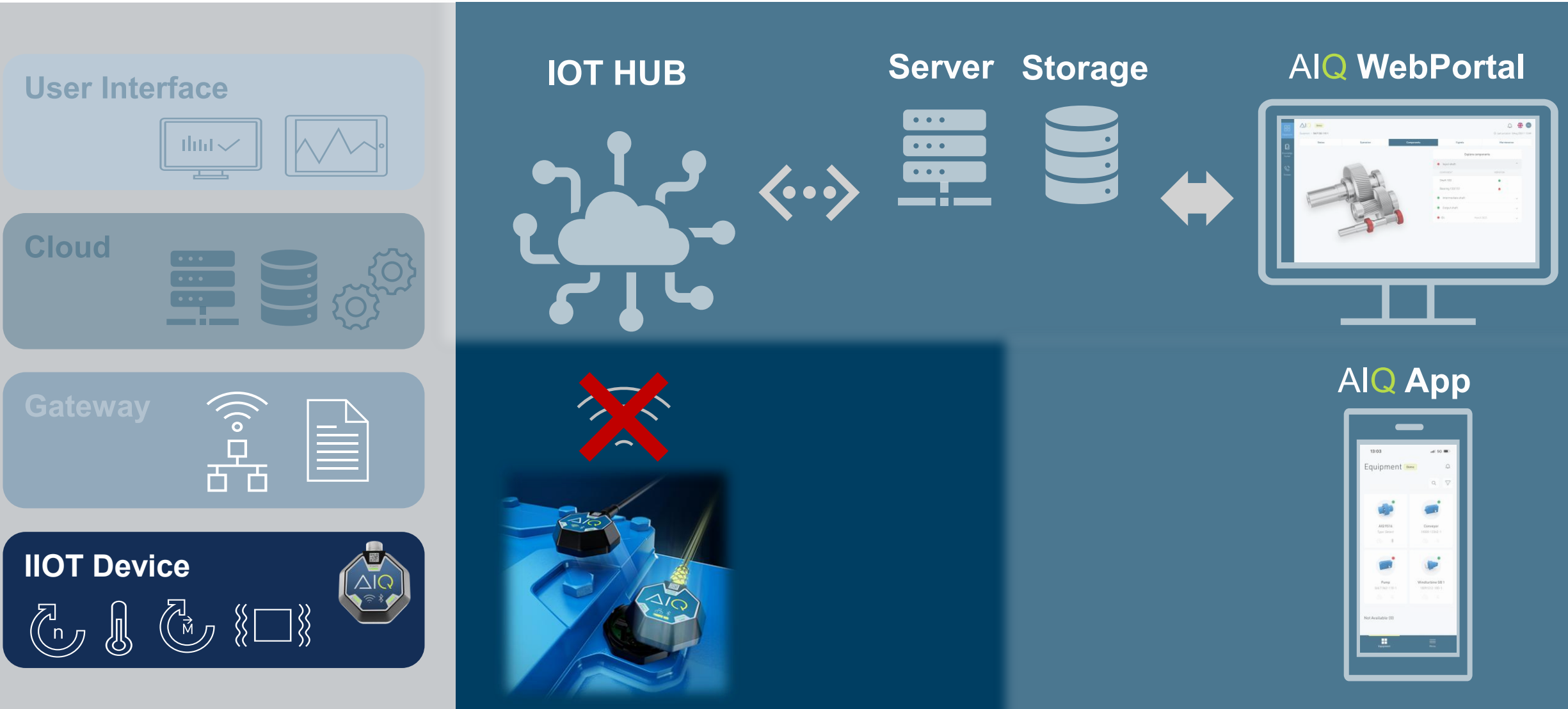
AIQ - IIOT Infrastructure

Online Use Case



AIQ - IIOT Infrastructure

Offline Use Case



AIQ - IIOT Infrastructure

Offline Use Case

User Interface



Cloud



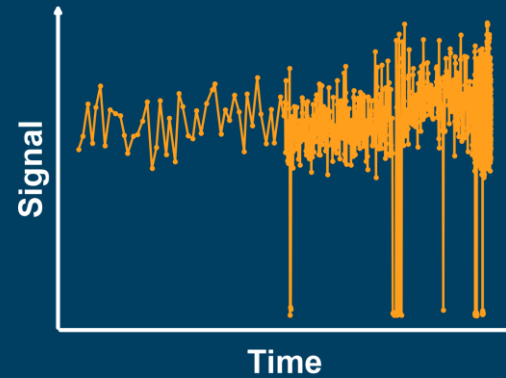
Gateway



IIOT Device

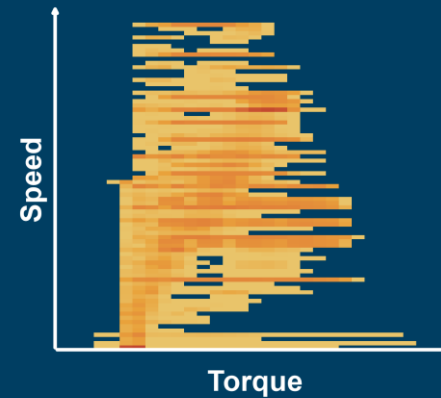


Time series data



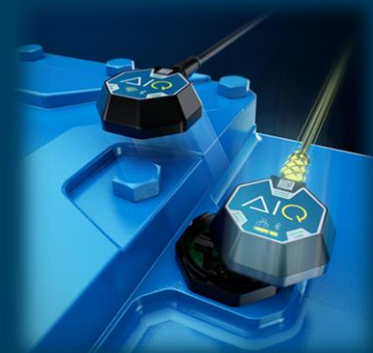
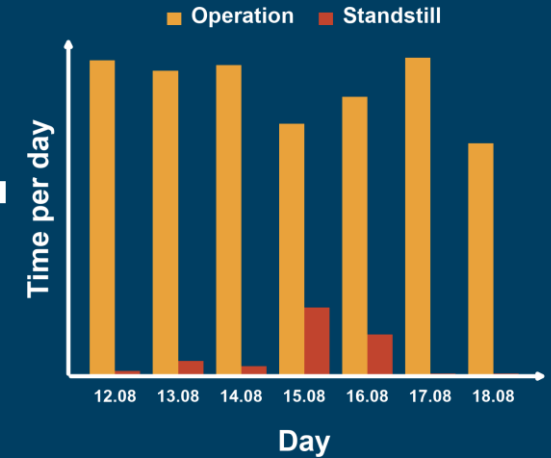
+

Level counting



+

Operation data



Data storage



AIQ - IIOT Infrastructure

Offline Use Case

User Interface



Cloud



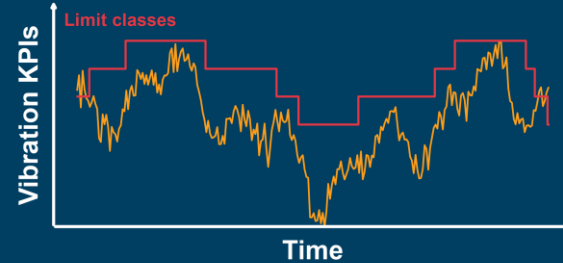
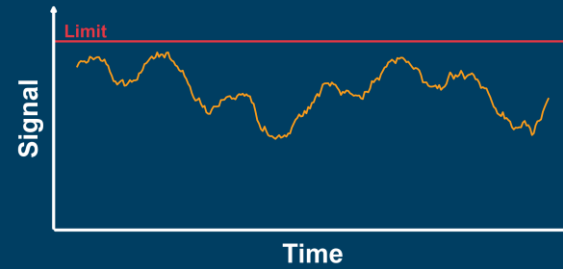
Gateway



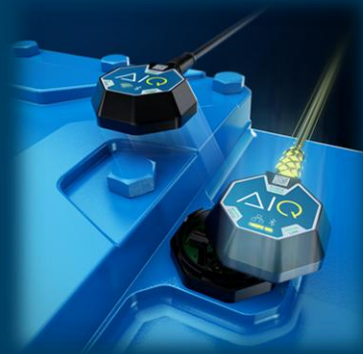
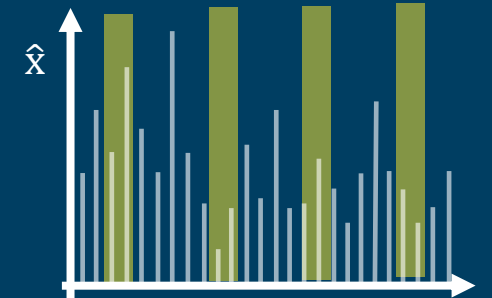
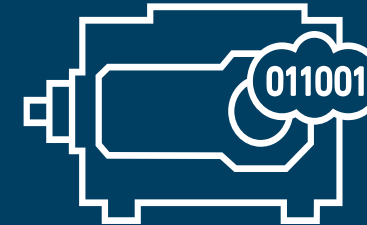
IIOT Device



Threshold monitoring and teached vibration monitoring



Simplified digital twin



Data
storage



Data
evaluation



AIQ - IIOT Infrastructure

Offline Use Case

User Interface



Cloud



Gateway

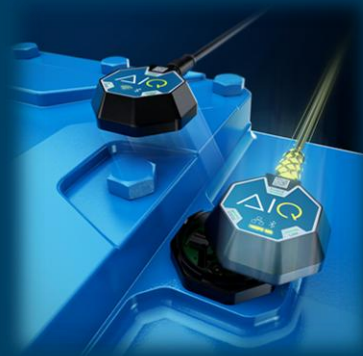


IIOT Device



Local data access

AIQ App



Integration

OPC UA



Digital and
analog
outputs



Data
storage

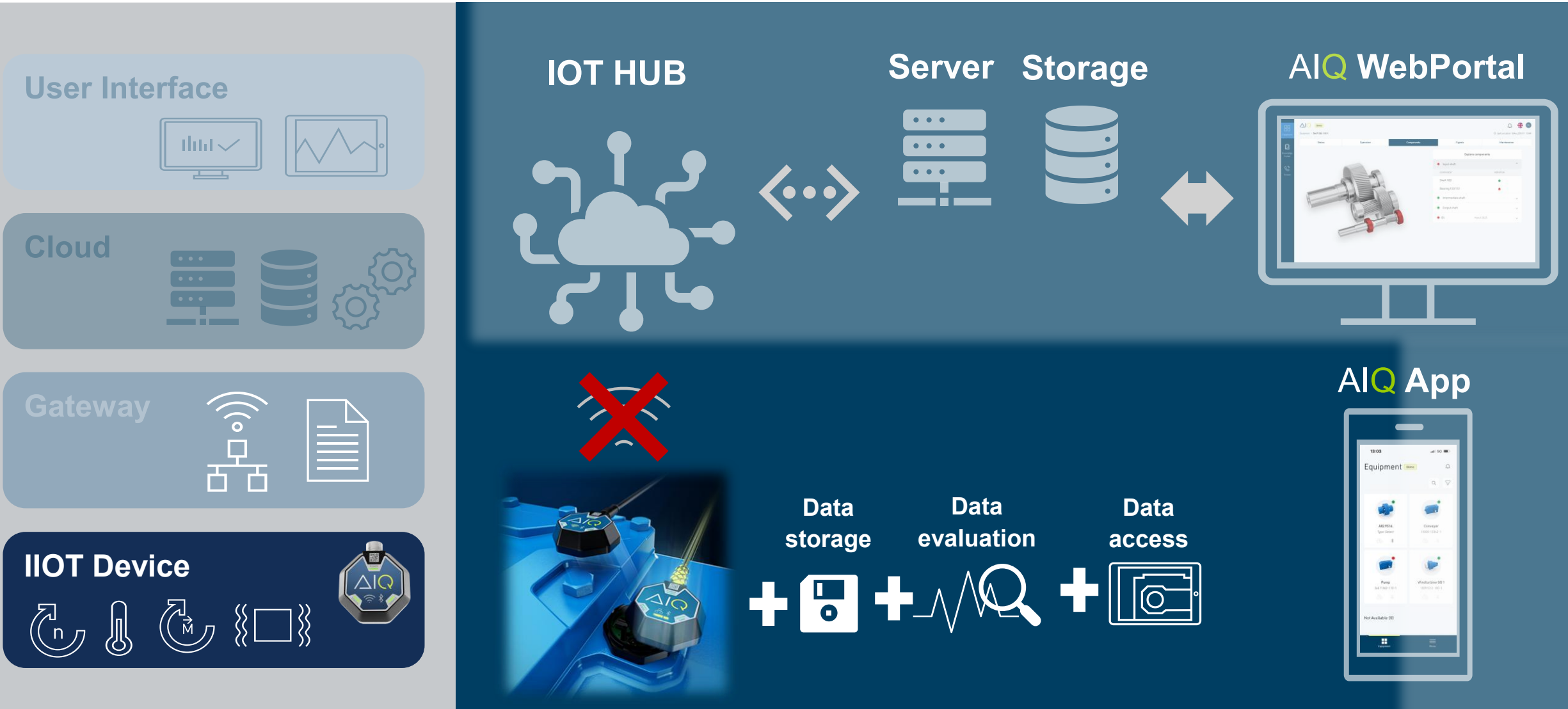
Data
evaluation

Data
access



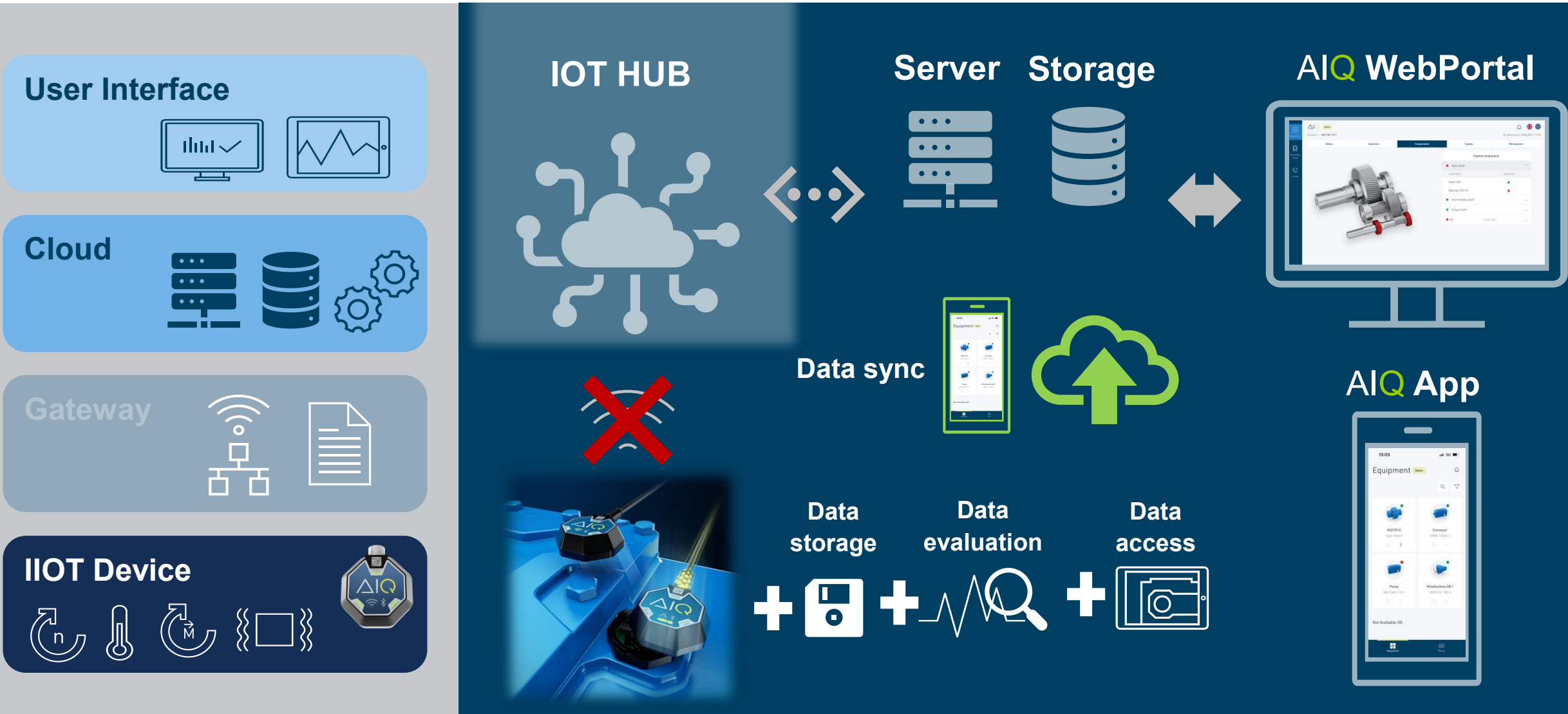
AIQ - IIOT Infrastructure

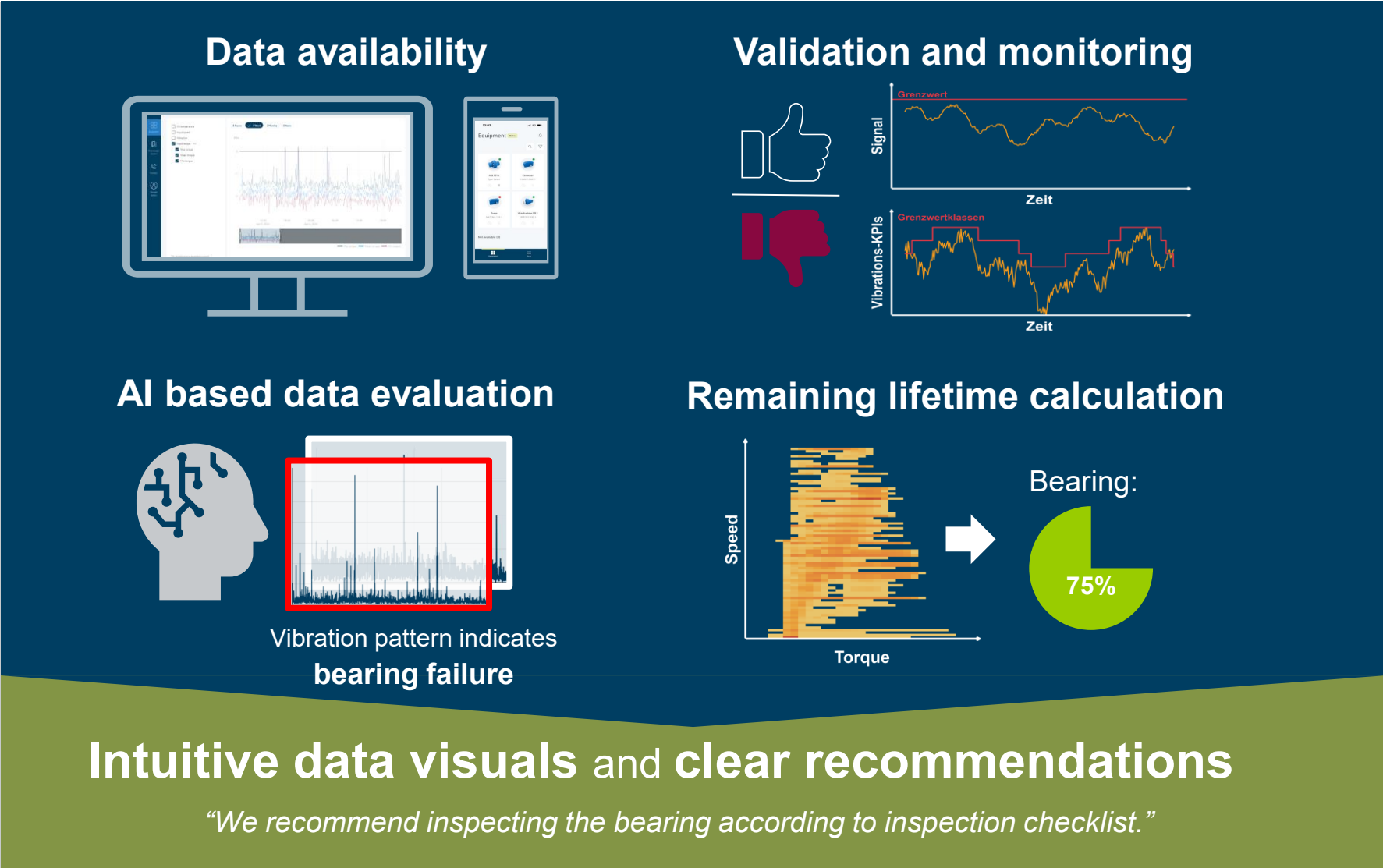
Offline Use Case



AIQ - IIOT Infrastructure

Semi-Online Use Case





AIQ-Support



Local data
analysis

Digitalization

Cloud based
drive train transparency

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