



Peter Kavanagh – Business Solutions, ABB Enterprise Software - Industry 4.0 Conference, Tallinn , June 2, 2016

# Connected Asset Lifecycle Management

*Connecting, Things, Services and People*

# Agenda

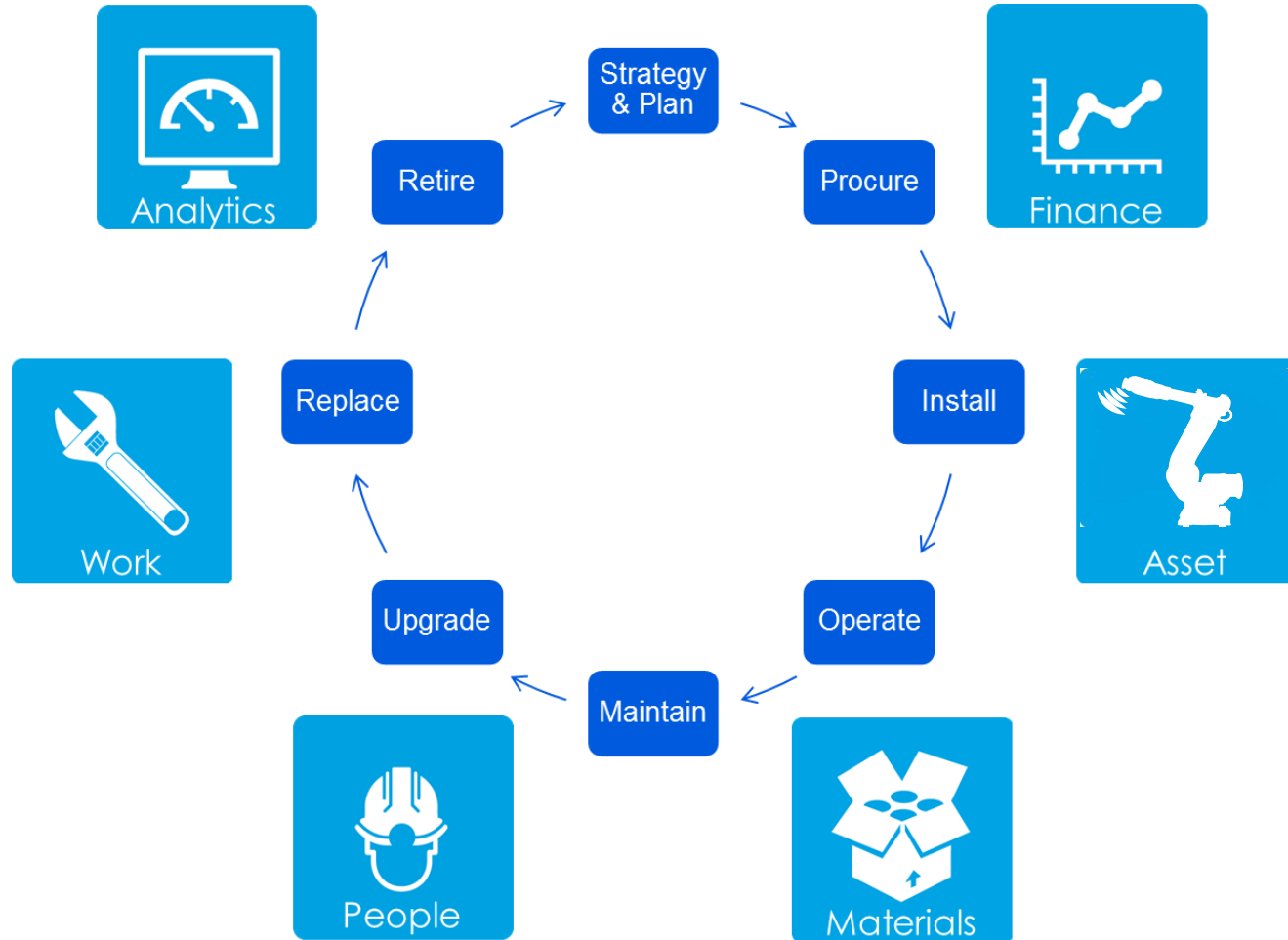
## Connected Asset Lifecycle Management

- What is Asset Lifecycle Management?
- IT-OT Convergence
- Condition Based Maintenance
- Decision Support
- Connected Work Force
- Complete Connected Asset Lifecycle Management model

# Asset Lifecycle Management

...is having strategic control, visibility and accountability for the asset through every stage...

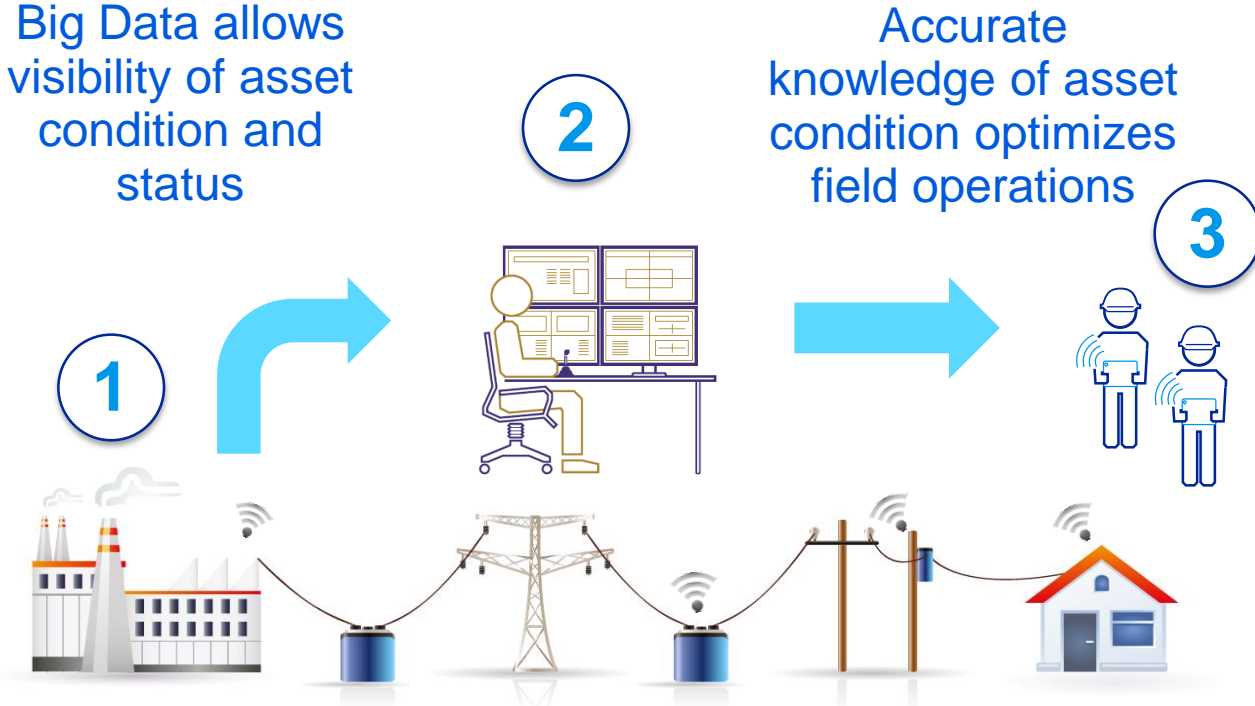
Procurement  
Installation  
Operation  
Maintenance  
Upgrade  
Replacement  
Decommission



# IT-OT convergence delivers greater efficiencies across the enterprise

Operational Technology

Information Technology



Big Data allows visibility of asset condition and status

Accurate knowledge of asset condition optimizes field operations

## Benefits of IT+OT Convergence

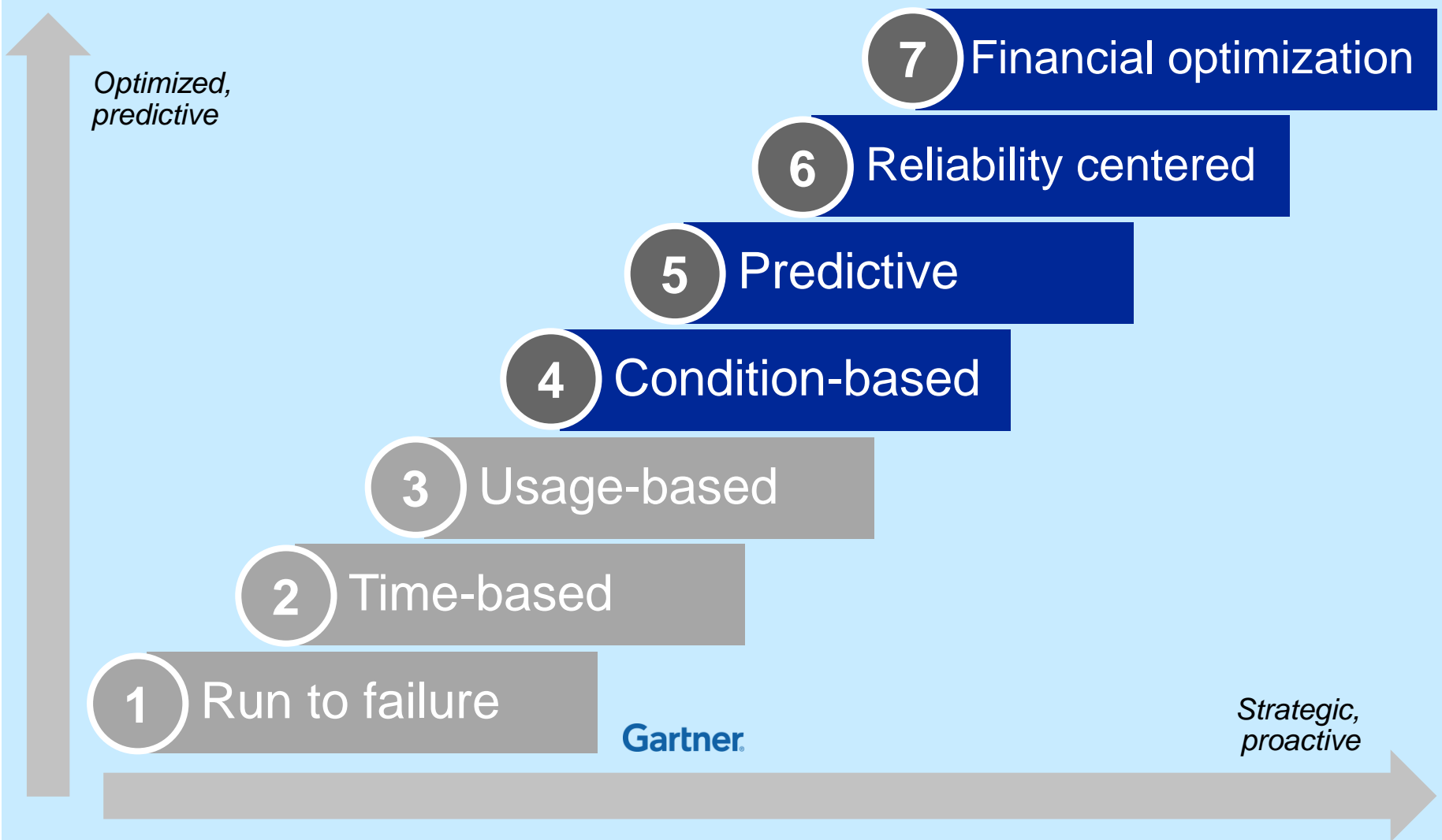
1 OT – Control data of asset conditions

2 IT – Asset Management strategy

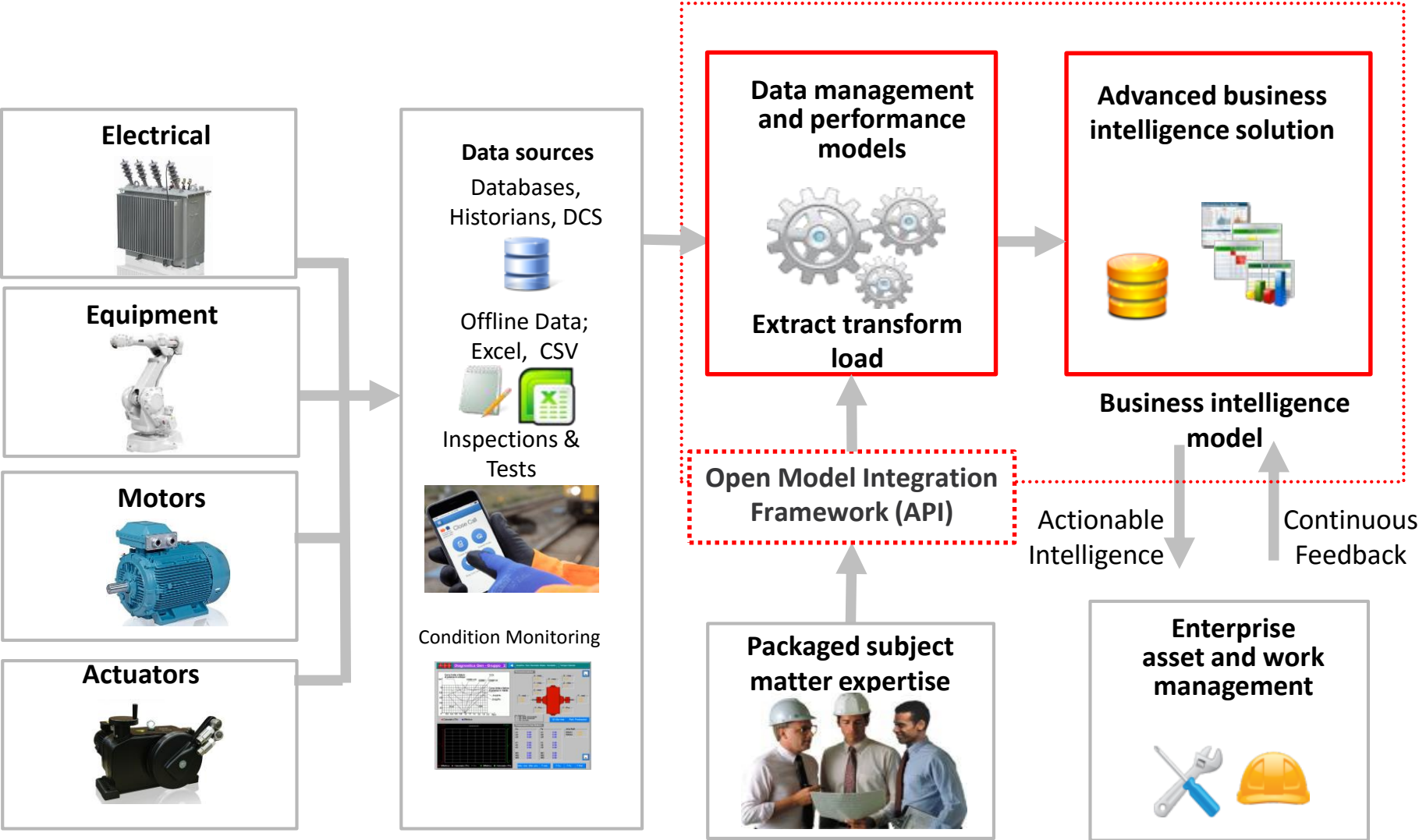
3 Field Work Force can access all vital asset information



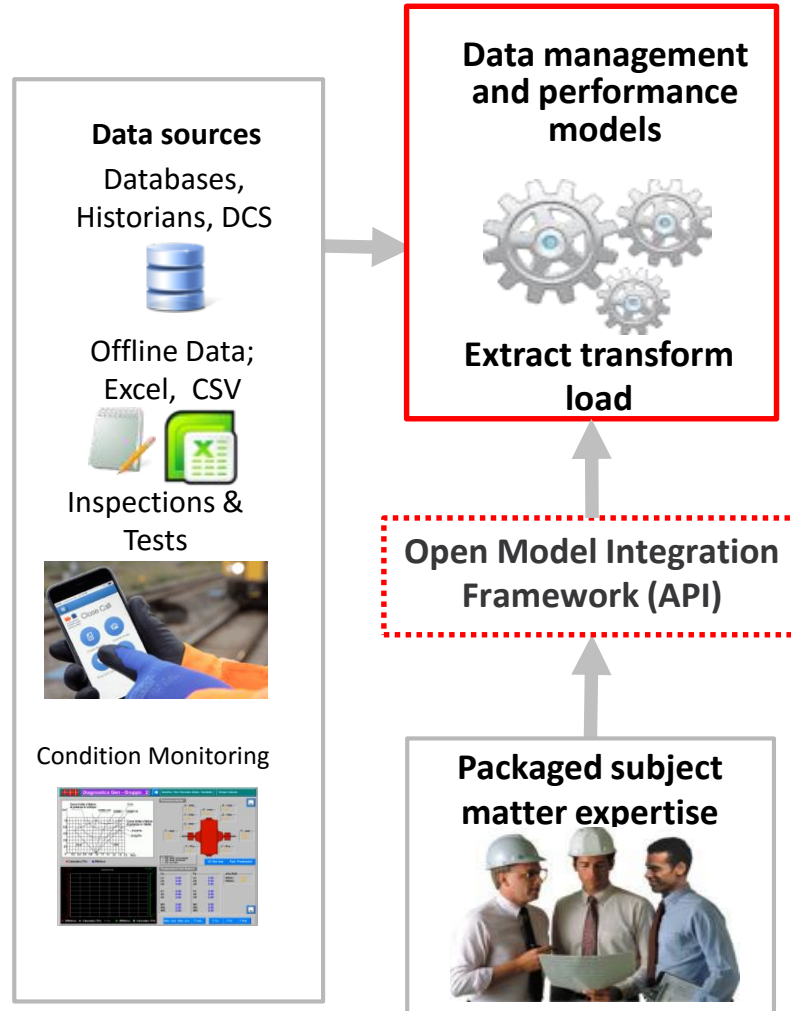
# Condition based maintenance



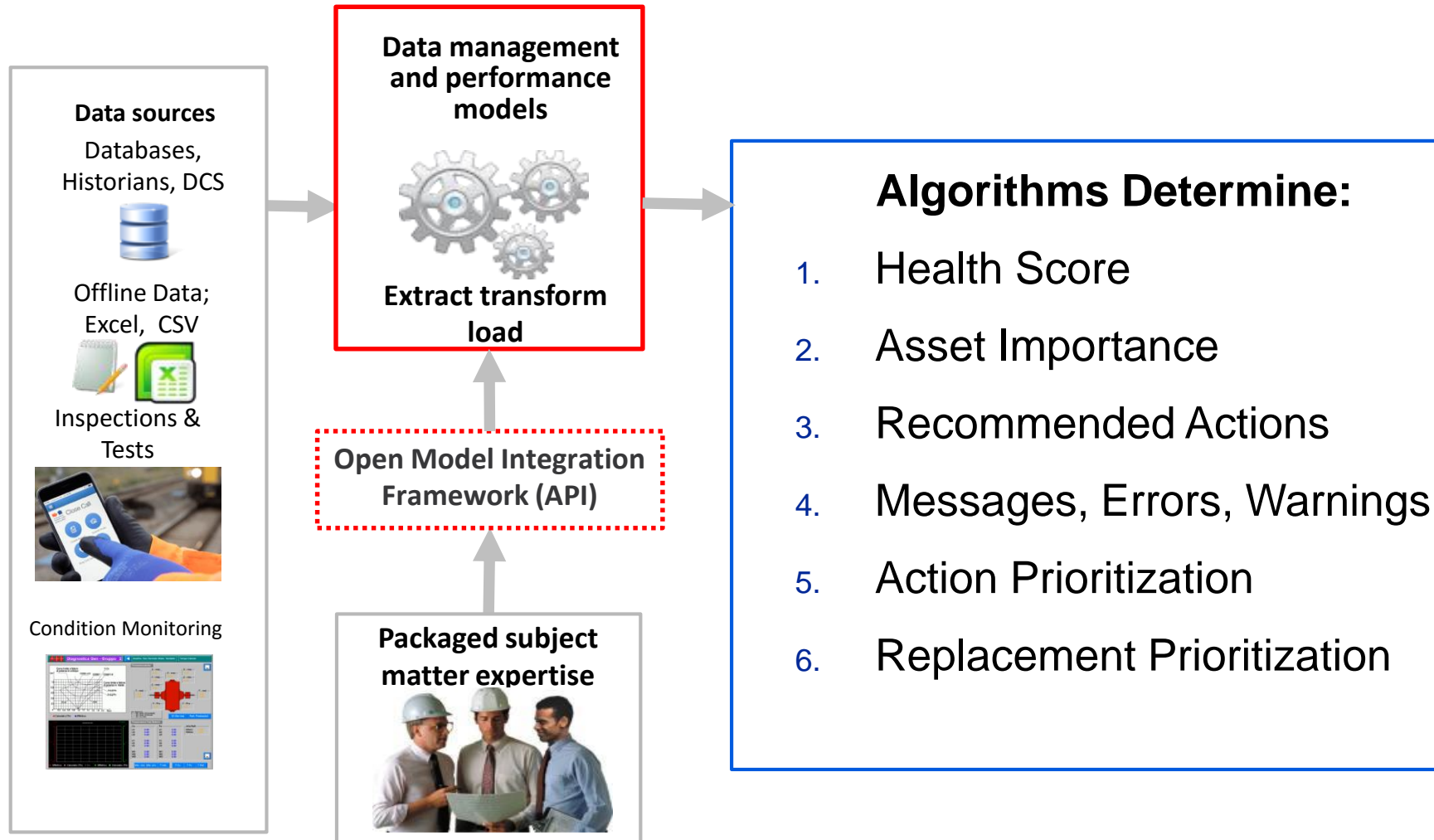
# Asset control and condition monitoring data....



....informs...

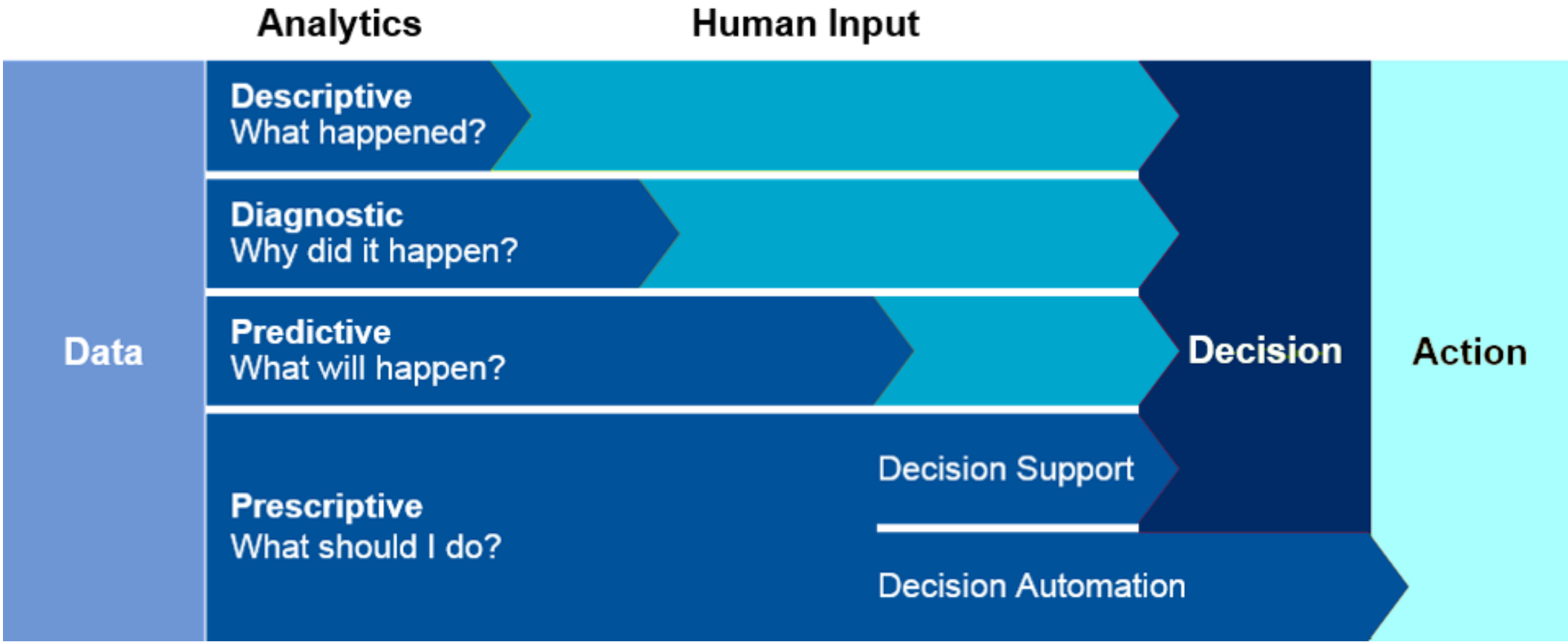


# ....the performance models & provides Decision Support





# Gartner – How the evolution of analytics developed into decision support

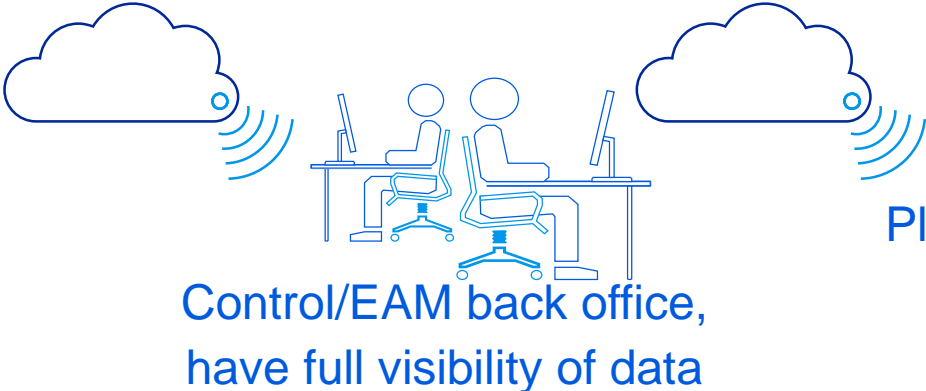


Source: Gartner (February 2015)

# Connected Work Force

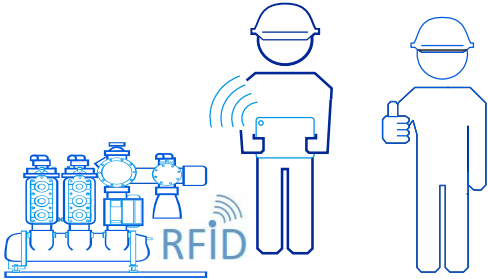


Site/field technicians complete job, location and update in real time

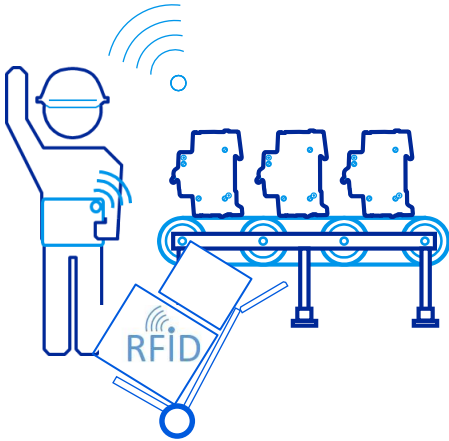


Control/EAM back office, have full visibility of data

Plant and equipment condition data sent to technicians

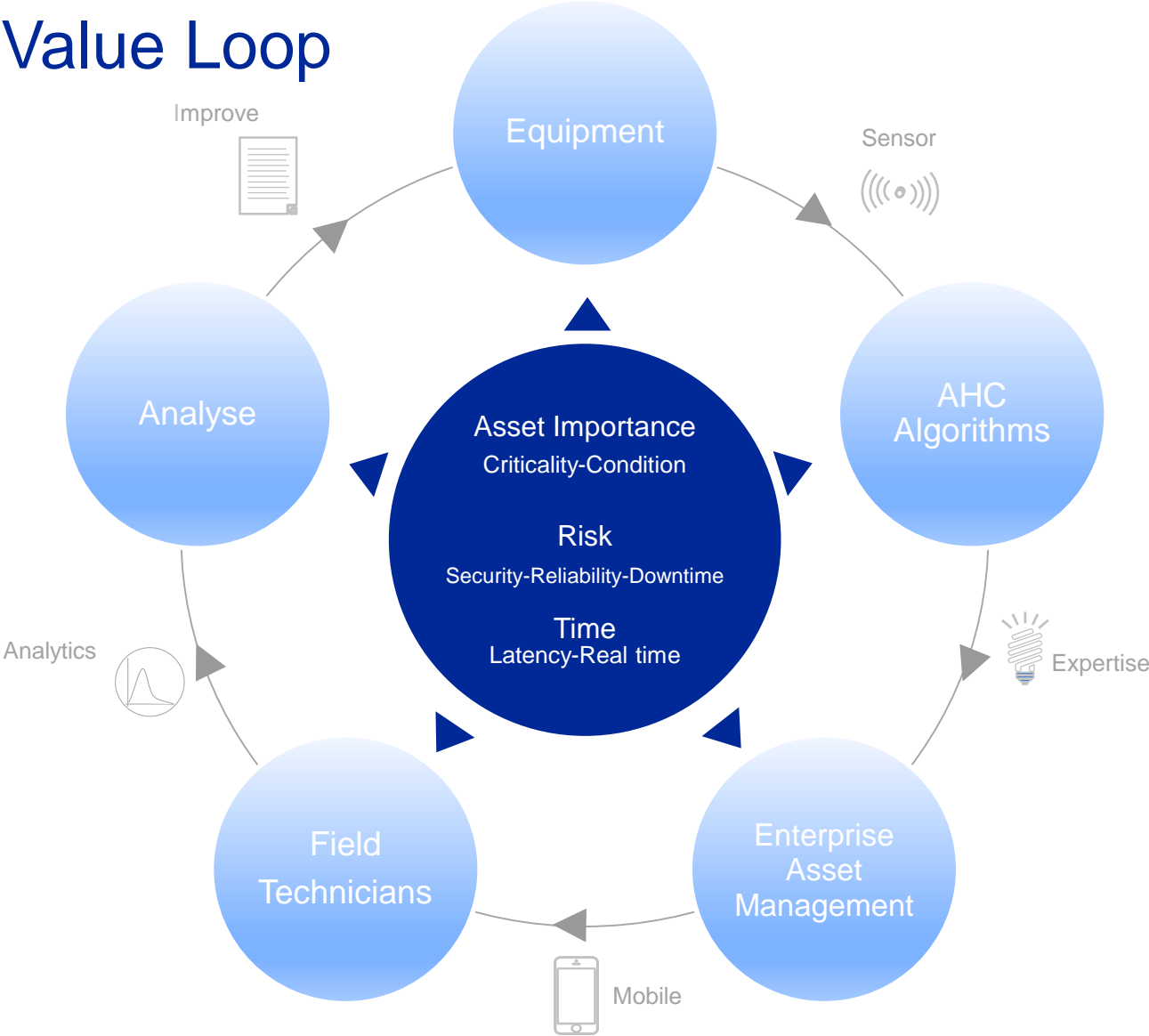


Augmented devices assist in asset ID, job tasks, information, and correct skills



Spares, logistics, right place, right time, and update stock

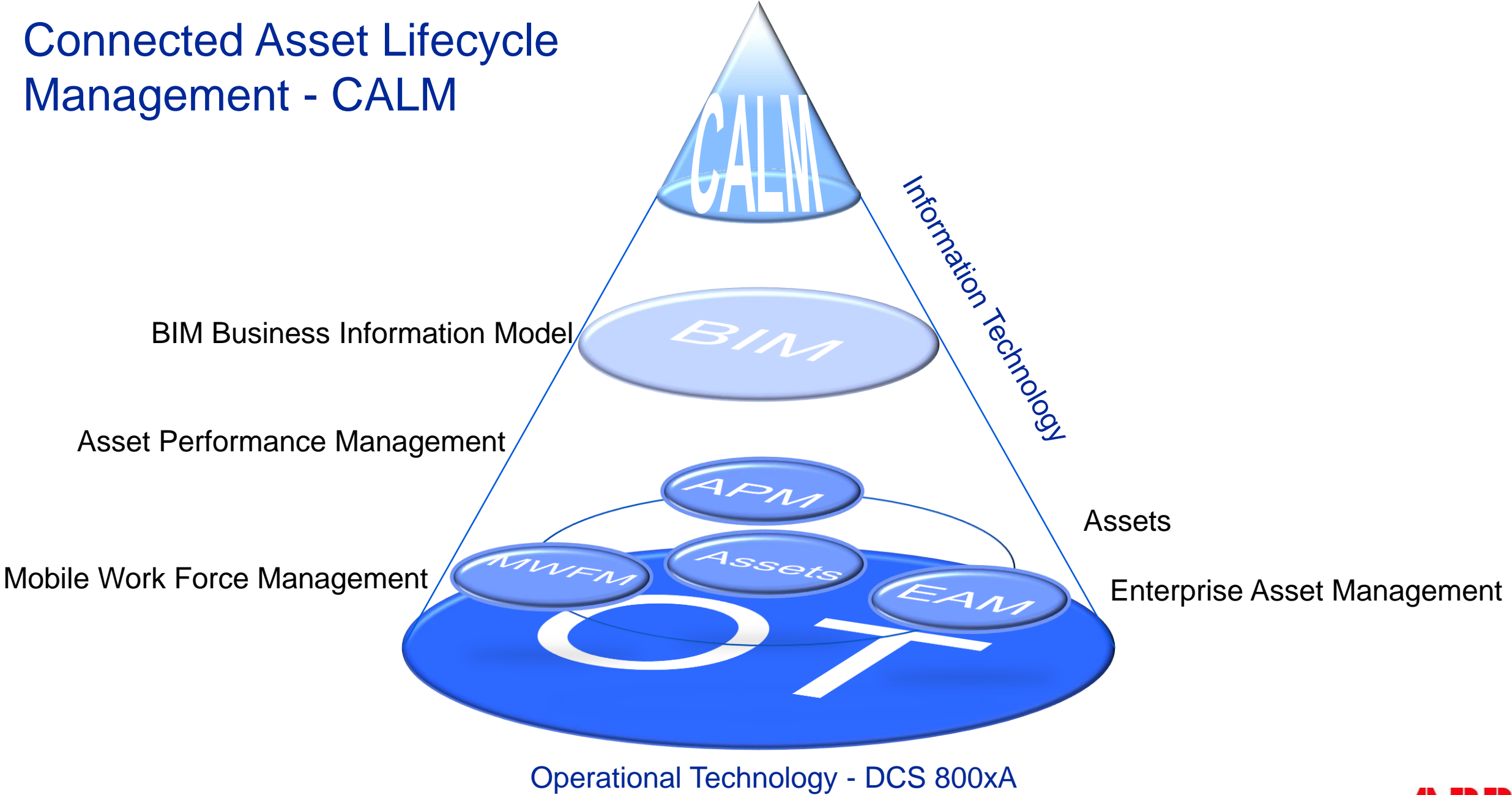
# ABB Information Value Loop



Source: Deloitte's Information Value Loop – IoT\_Military\_080615

VALUE DRIVERS ACTORS SUPPORT

# Connected Asset Lifecycle Management - CALM



Thank you...

Power and productivity  
for a better world™

