



Digital Transformation in Manufacturing:

Strategies to successfully unlock the value of manufacturing data.



Lighthouse Systems



25 years
expertise in
MES software



Global



Featured in
Gartner's MES
Critical
Capabilities



500+
sites



45+
countries

Shopfloor-Online MES: flexible, out-of-the-box, configurable

Production



OEE



Scheduling



Workflow

Quality



Quality
SPC
CAPA



Alarms
Process Parameters

Stock / inventory



Traceability
Genealogy



Inventory /
Logistics
Warehouse
Management

Maintenance



Maintenance



Energy

Hundreds of references in the Batch, Process, and Discrete industries



Packaging



Automotive



Food & Beverage



High tech



Pharma / Life Science



Aerospace



Other industries

Key challenges facing manufacturing organisations



How to address these challenges at an operational level?

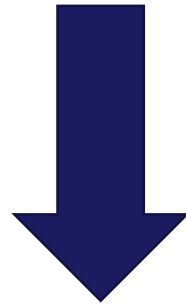
DATA



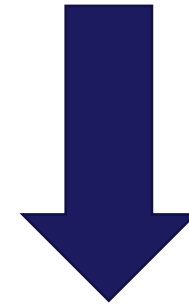
Empower
Operators,
Teams,
Managers



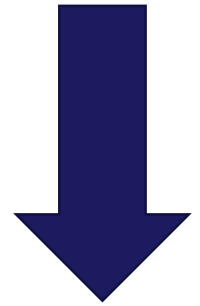
Demonstrate
Compliance and
pass Audits



Drive
Continuous
improvement
programs



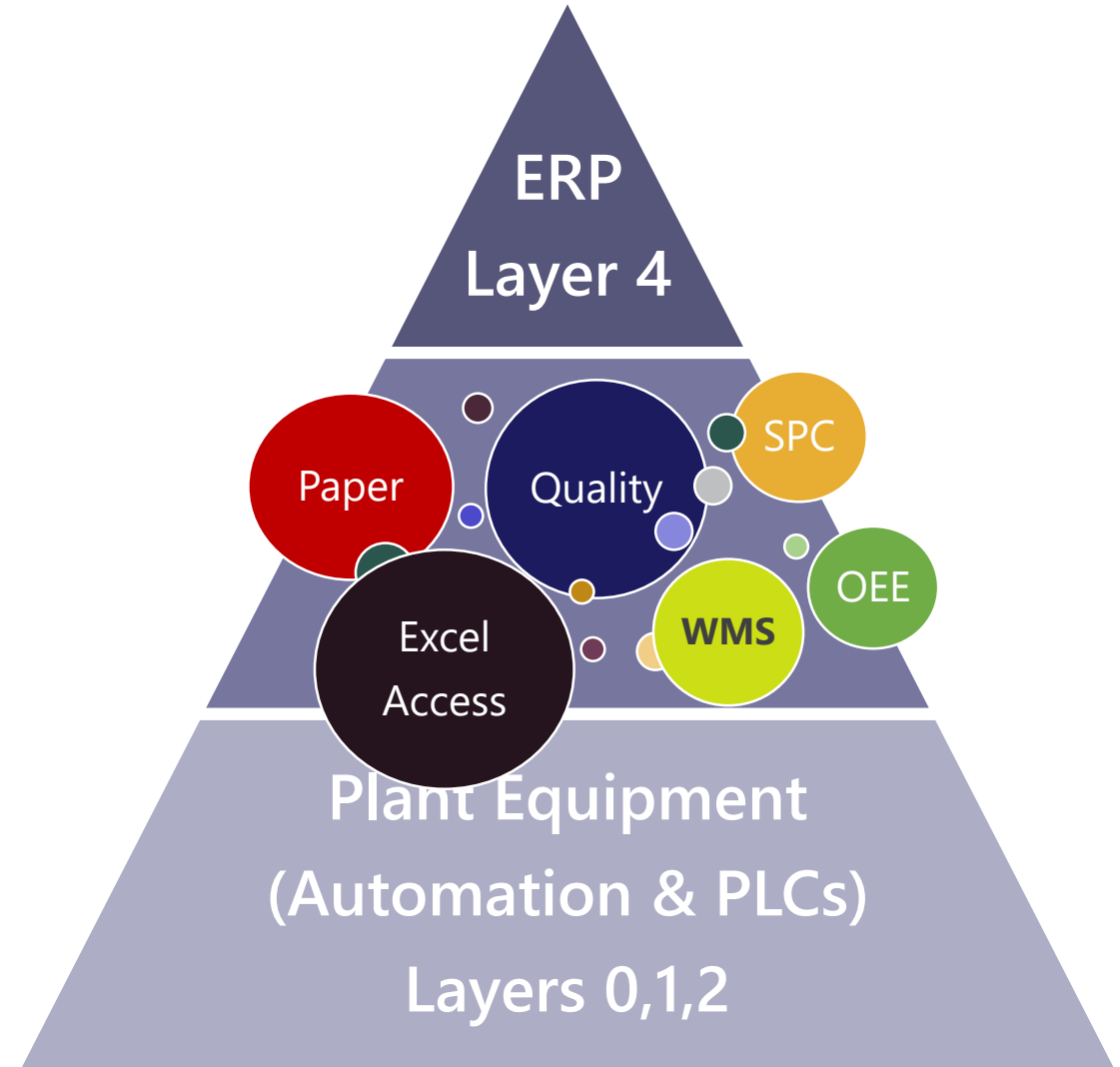
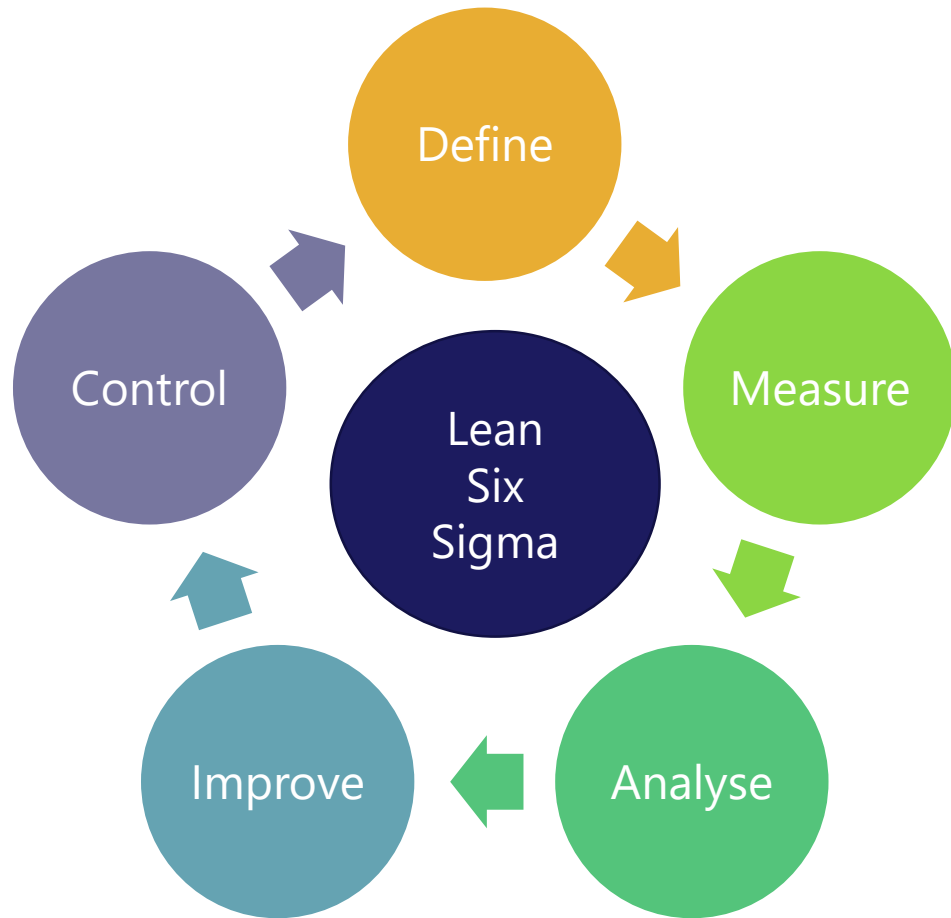
Maximise
Existing Asset
Utilisation



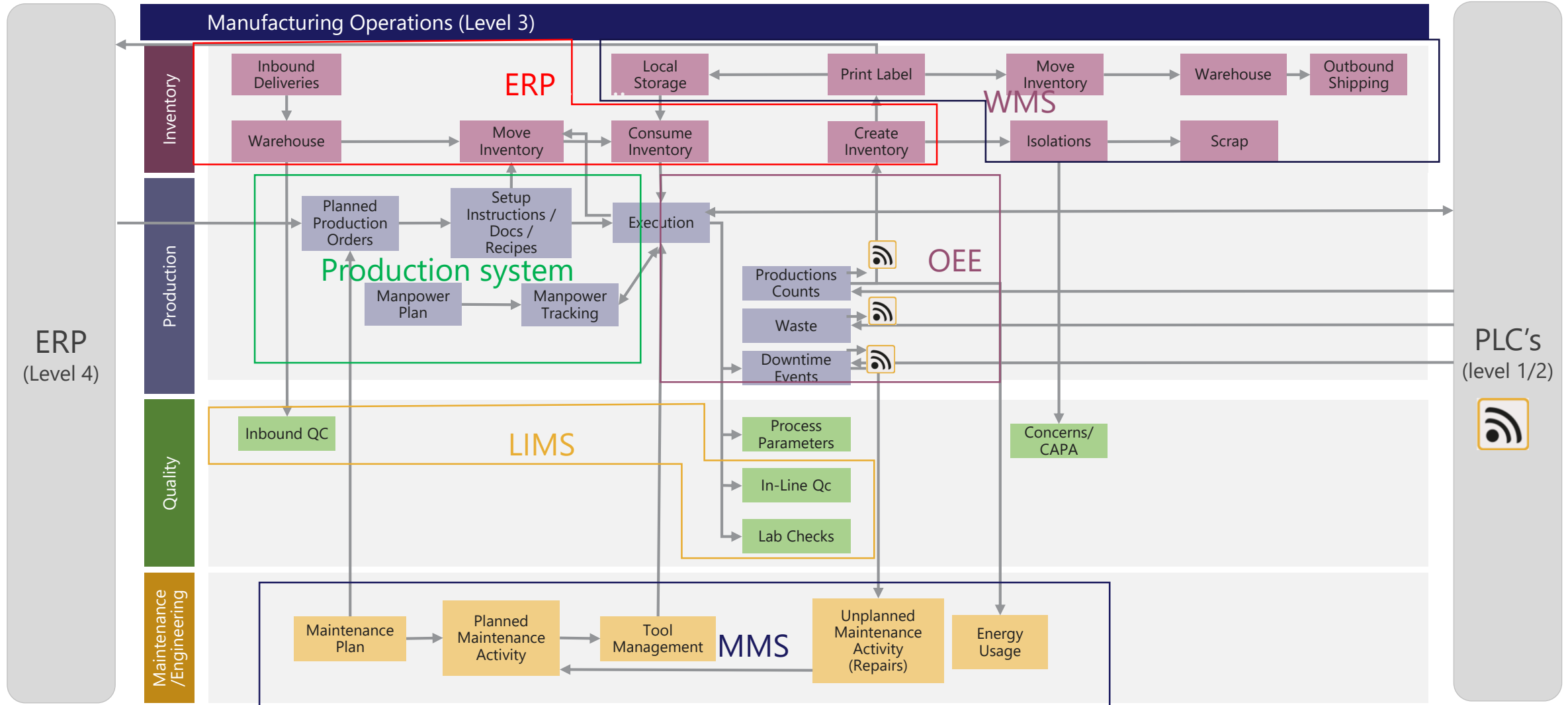
Reduce
Costs, manpower,
stock

Historical, real-time, accurate.

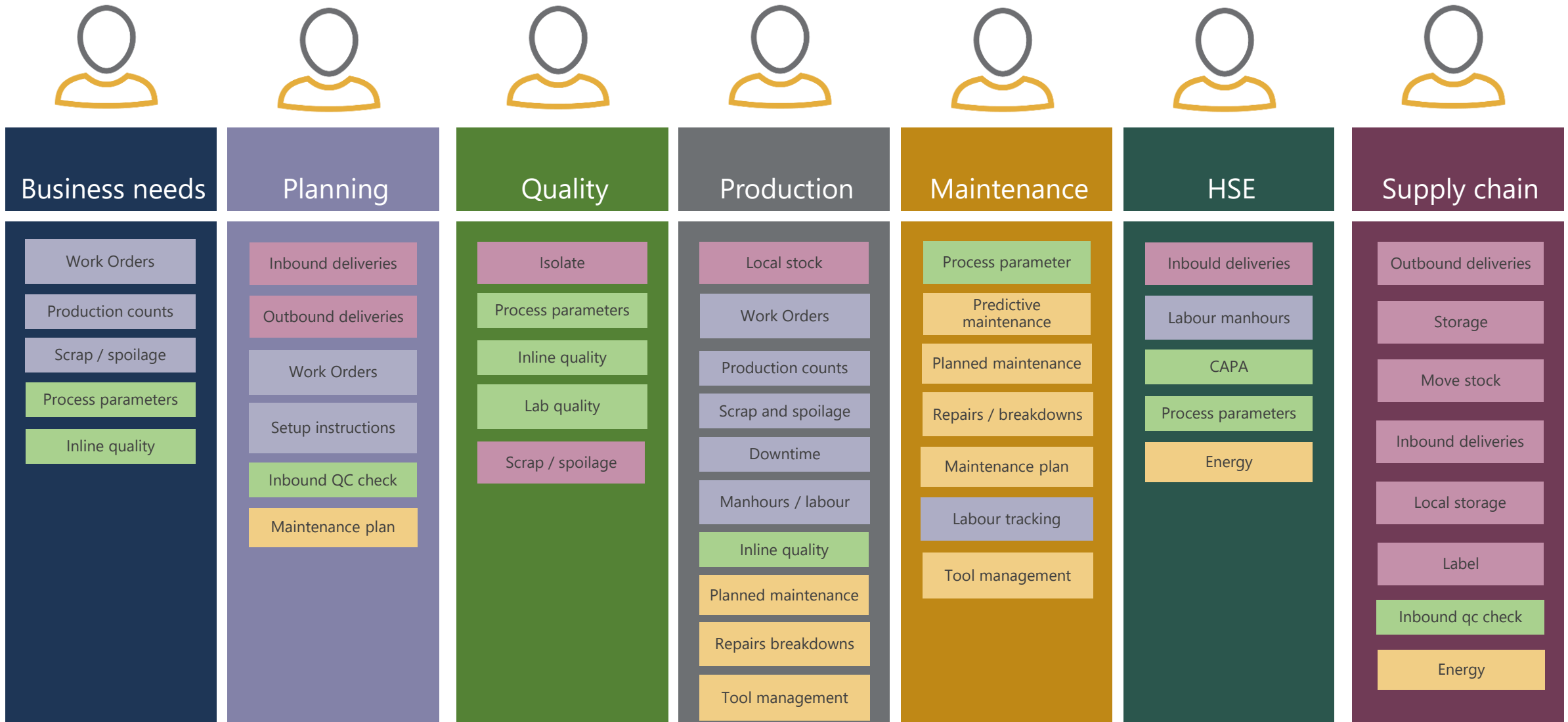
Let stop for a moment ! What we've seen manufacturers do



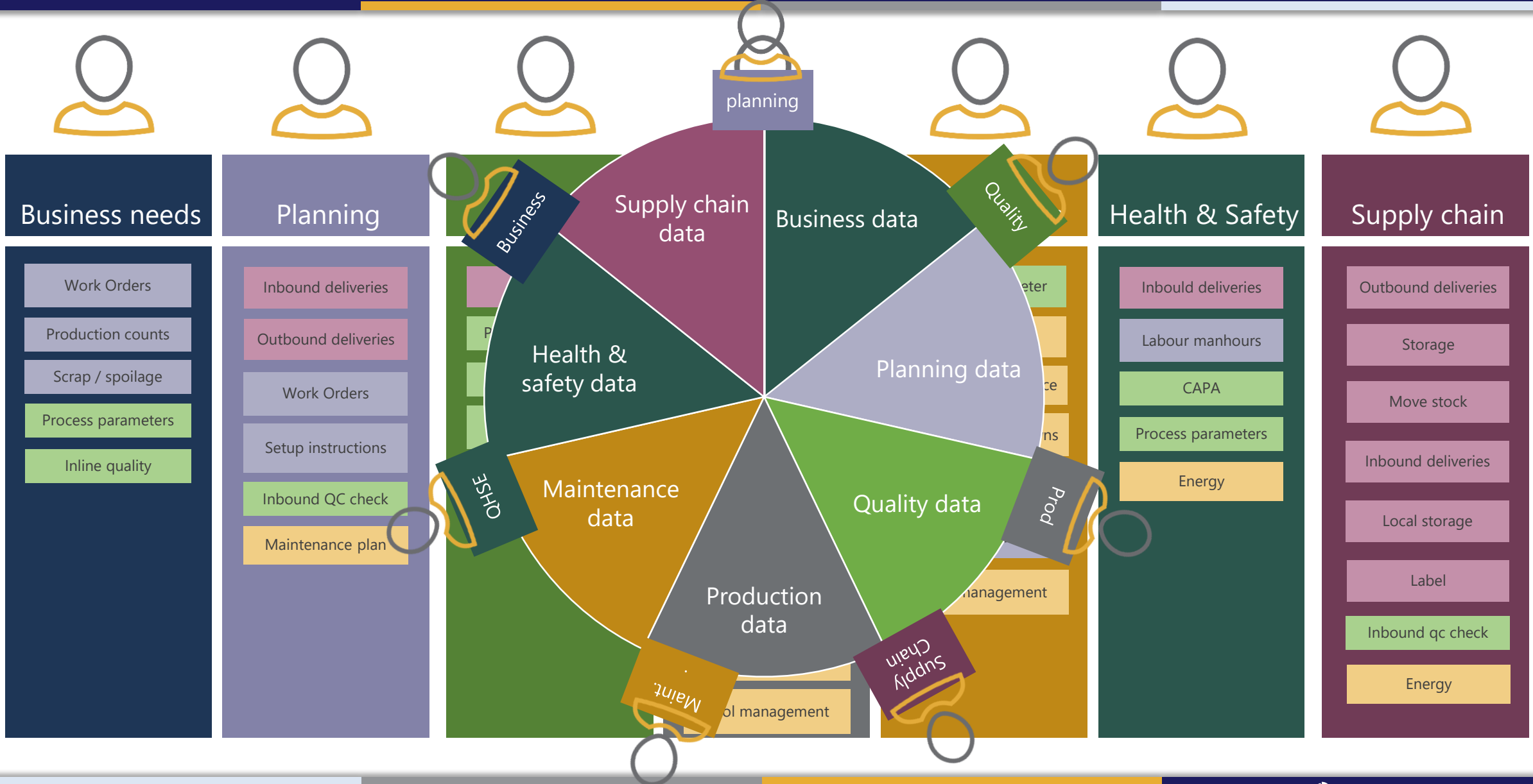
Connected business Processes ...without any IT global support



... which generates silos of information



... which generates silos of information



Sitting at the same table, sharing the same data

- Data is:
 - Unique, consistent
 - Relevant
 - Contextualised
 - Real Time
- ...allowing:
 - Real time alerts
 - Information sharing
 - Advanced reporting
 - Quicker identification of data
 - Use of all information

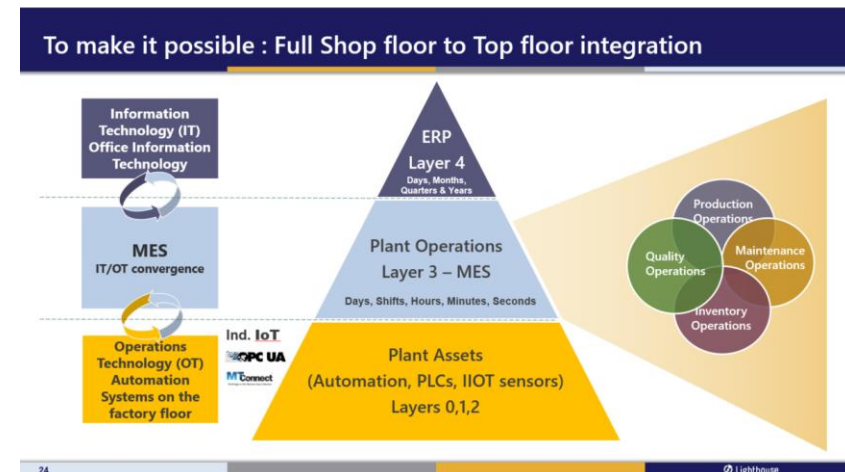


How to make it possible

You need a very rich and broad set of functionalities in your MES




You need an MES system able to connect to your infrastructure, to collect data and to share data



To make it possible : MES MUST support all your processes


in **one single database** to build **one shared application**

 Production Operations

Scheduling
Job Tracking
Downtime ●
Production Counting
Waste
Line Log Book
OEE
Labour

 Inventory Operations

Inventory
Label Printing
Traceability Consumption
Build Traceability
Warehousing / Logistics

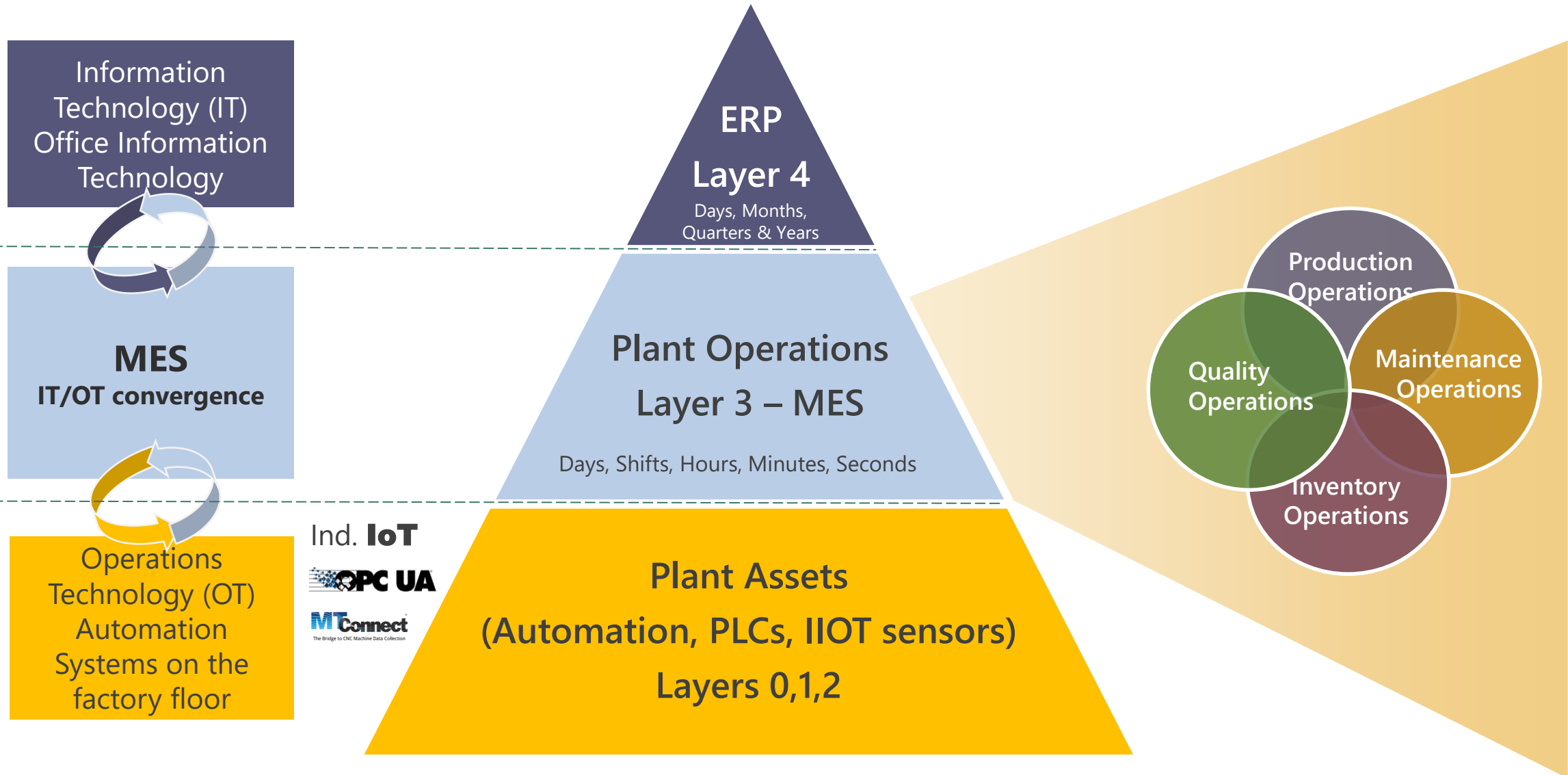
 Quality Operations

Quality Checks
SPC ●
Process Monitoring ●●
Links to Documents
Concerns/CAPA
Supplier Complaints
Customer Complaints

 Maintenance Operations

Asset Register
● Maintenance Management
● Repairs
Tool Management
Energy

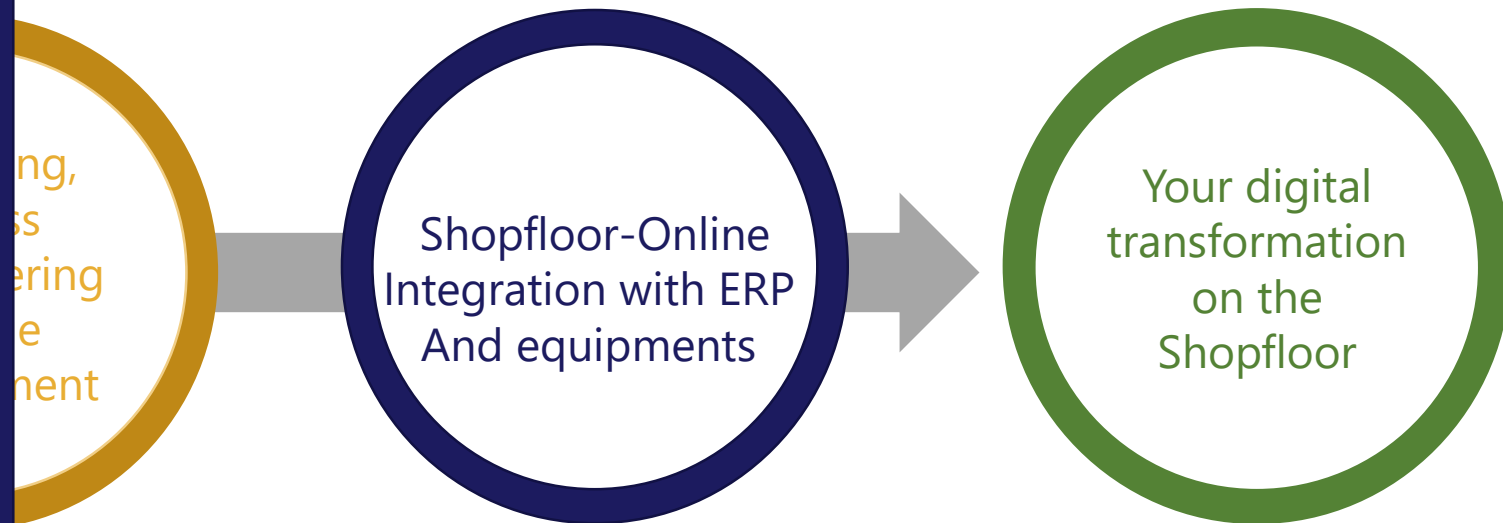
To make it possible : Full Shop floor to Top floor integration



To make it possible : Plan your journey

If a company can't be significantly more digital by 2020 it will no longer be competitive*

*Gartner 2018



Focus on the Value and Return on Investment for the company

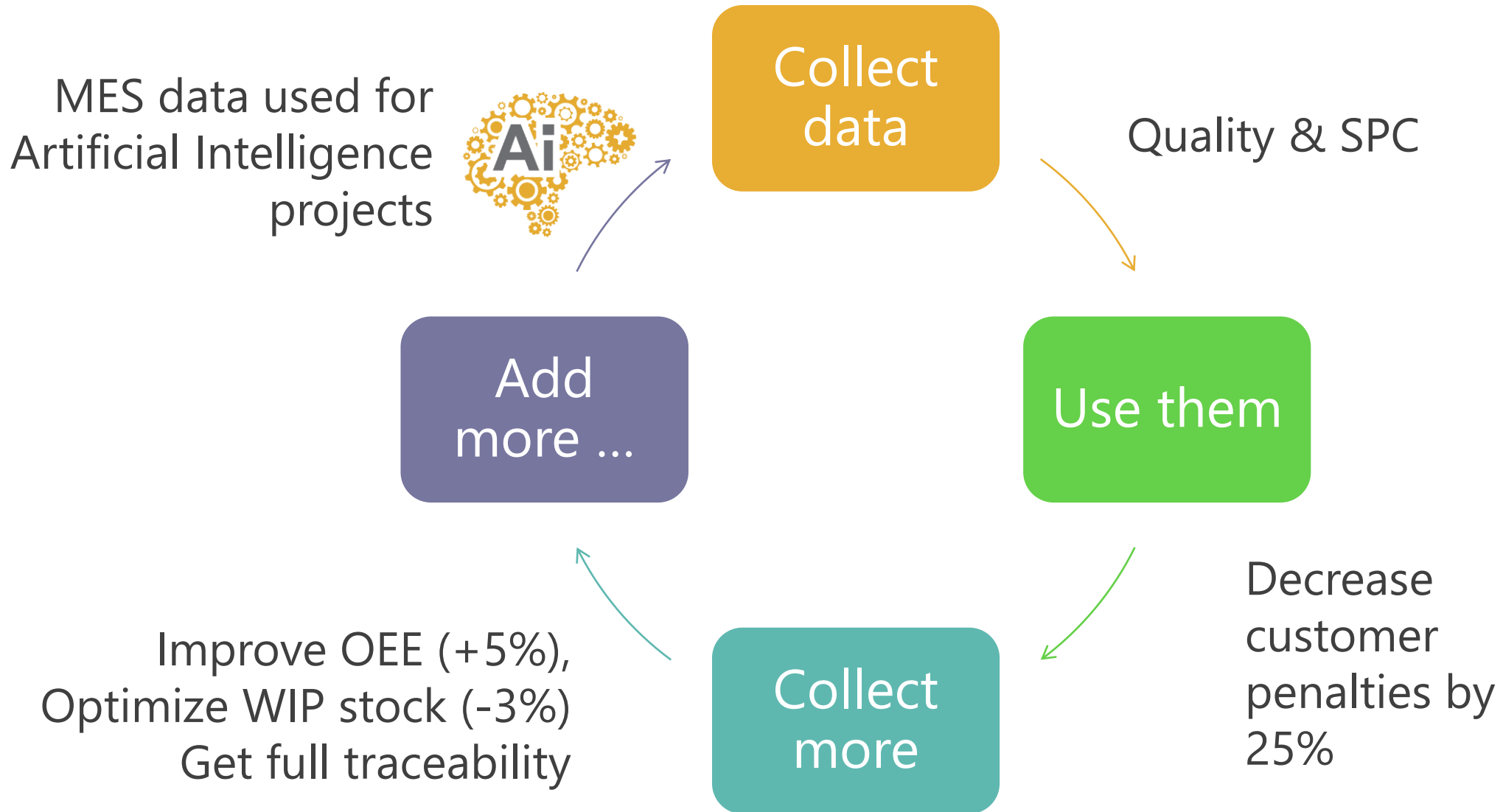
To make it possible : Plan your journey

« **Think Big**

Start Small....

Scale Fast»»

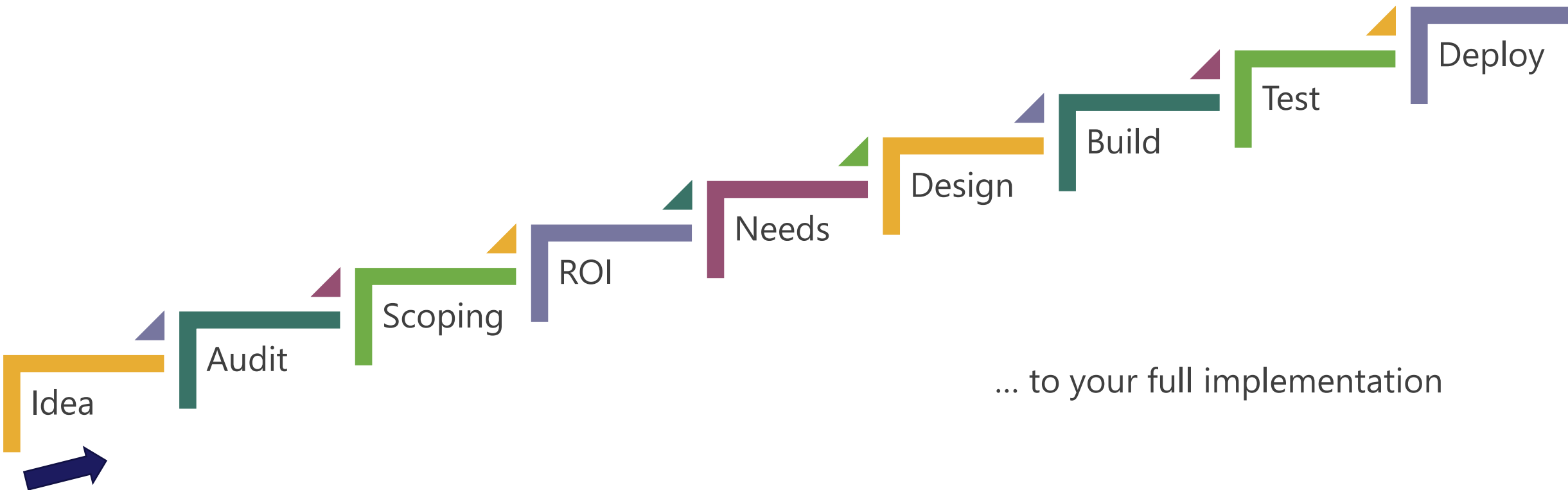
Example of a 1.5 year transformation example



How can Lighthouse Systems help?

Lighthouse Systems can help you through your journey

From your initial idea ...



Drive your
transformation
through Value.

Questions?

Carsten Bitschkus
carsten.bitschkus@lighthouseystems.com
+49 160 9788 2546

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