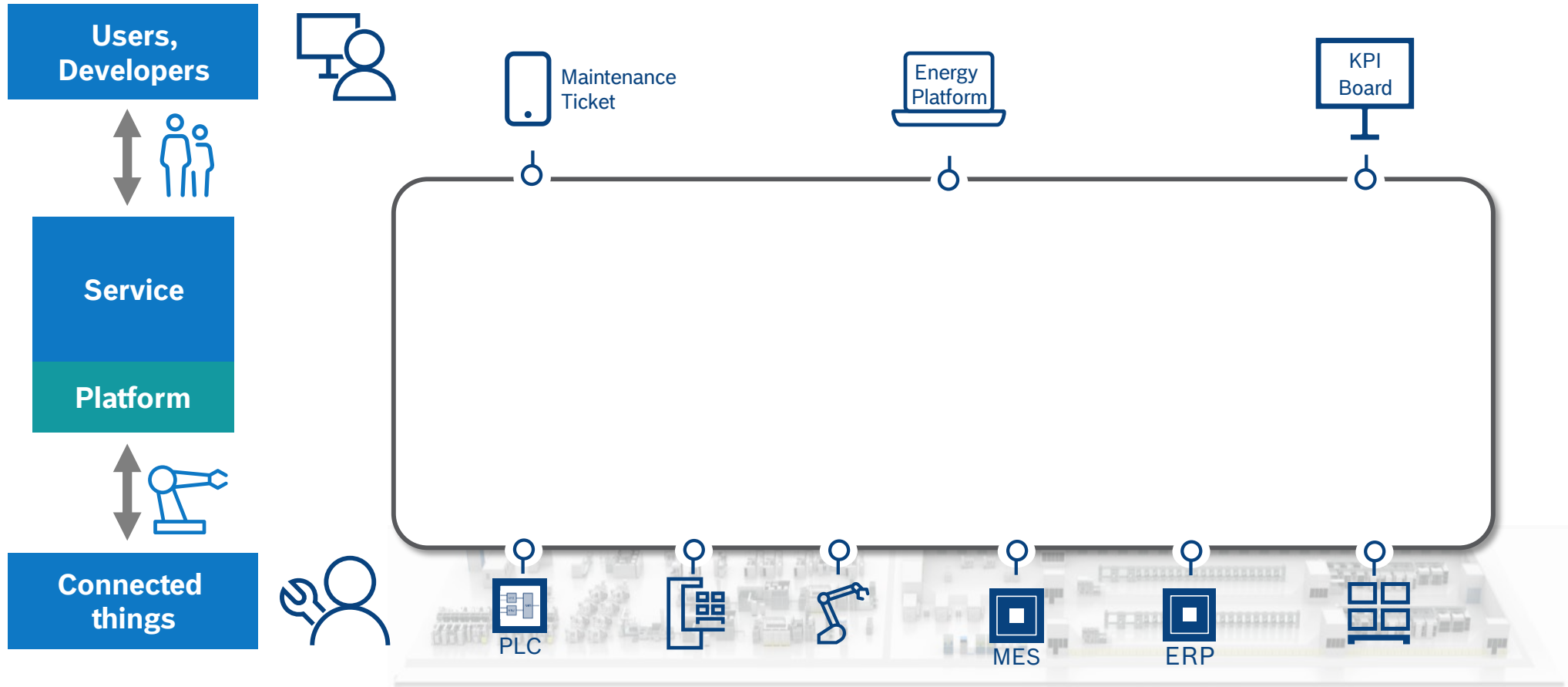


LERNREISE INDUSTRIE 4.0

“DIGITALISIERUNGSPHILOSOPHIEN IN
DER FERTIGUNG -
MIT DEM DIGITAL TWIN”

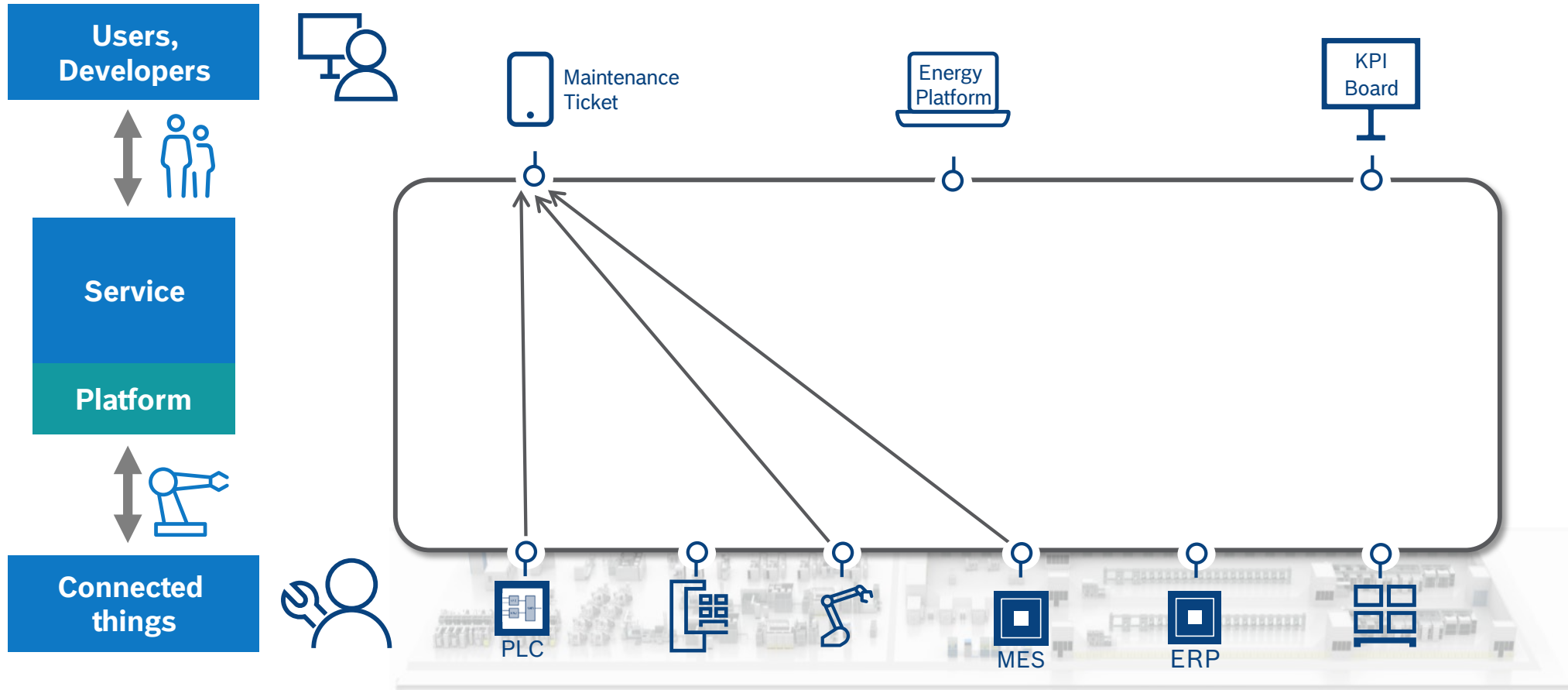
Lernreise Industrie 4.0

The heterogeneous world of manufacturing IT



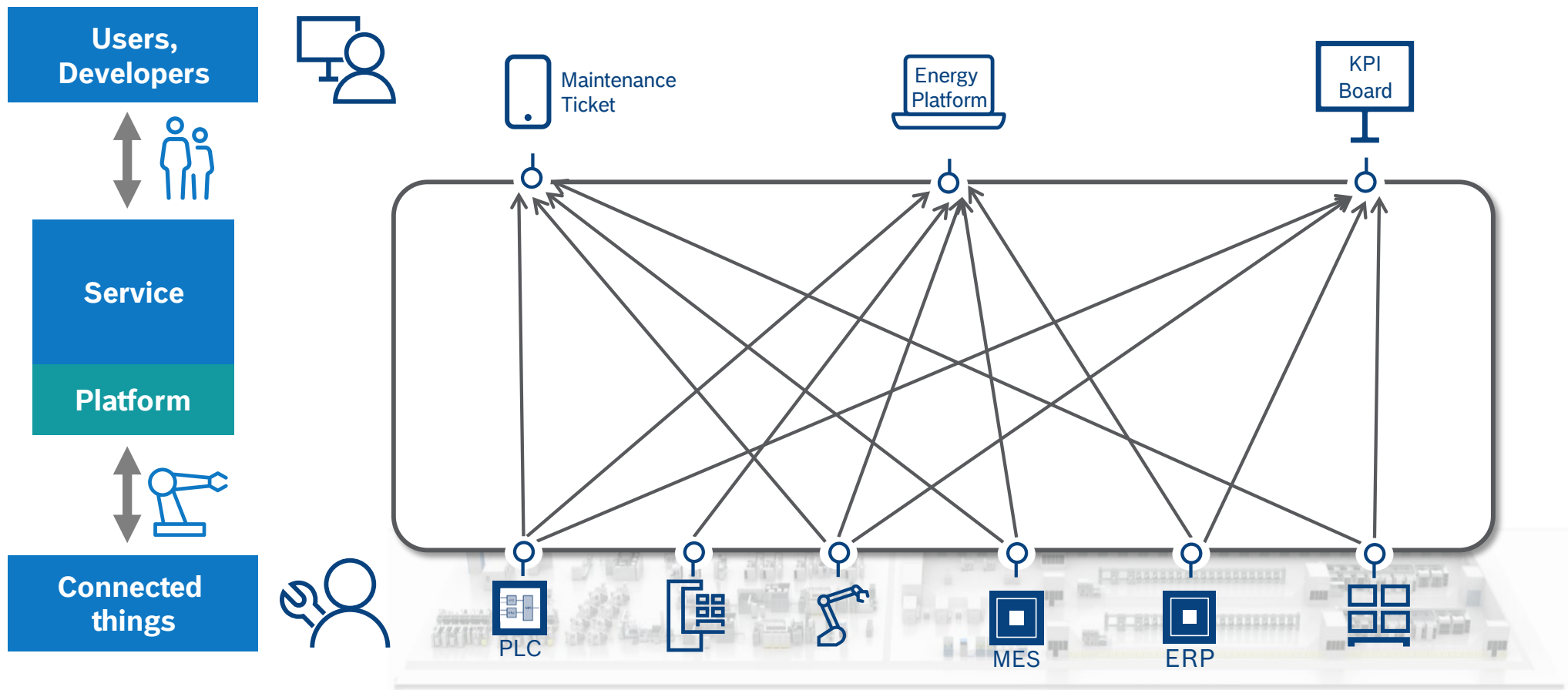
Lernreise Industrie 4.0

The heterogeneous world of manufacturing IT



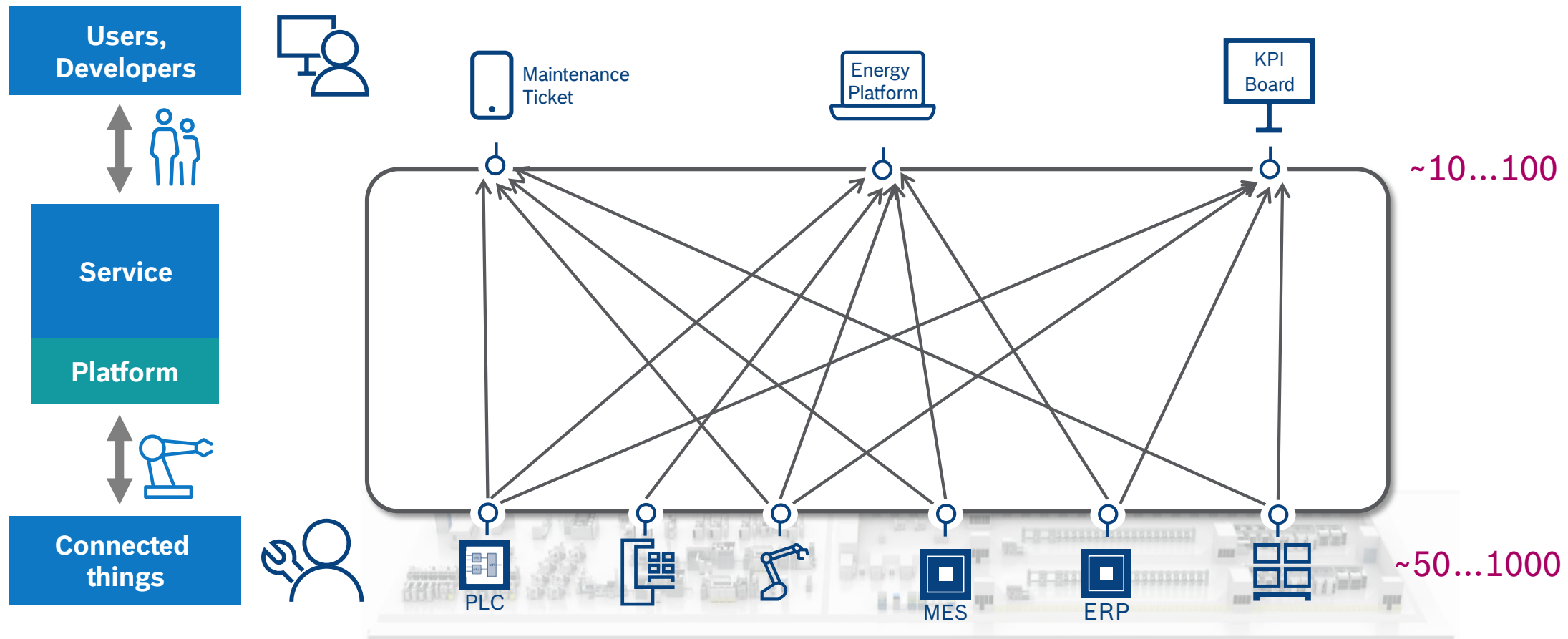
Lernreise Industrie 4.0

The heterogeneous world of manufacturing IT



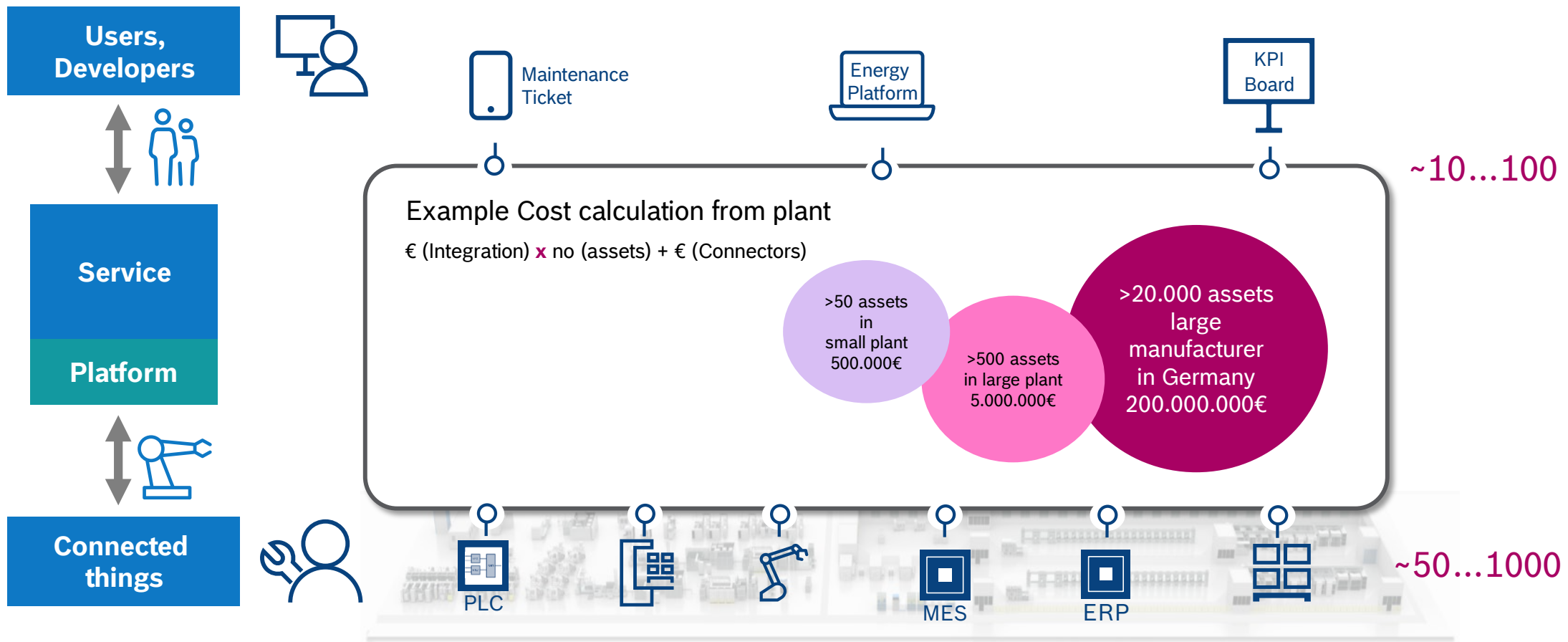
Lernreise Industrie 4.0

The heterogeneous world of manufacturing IT



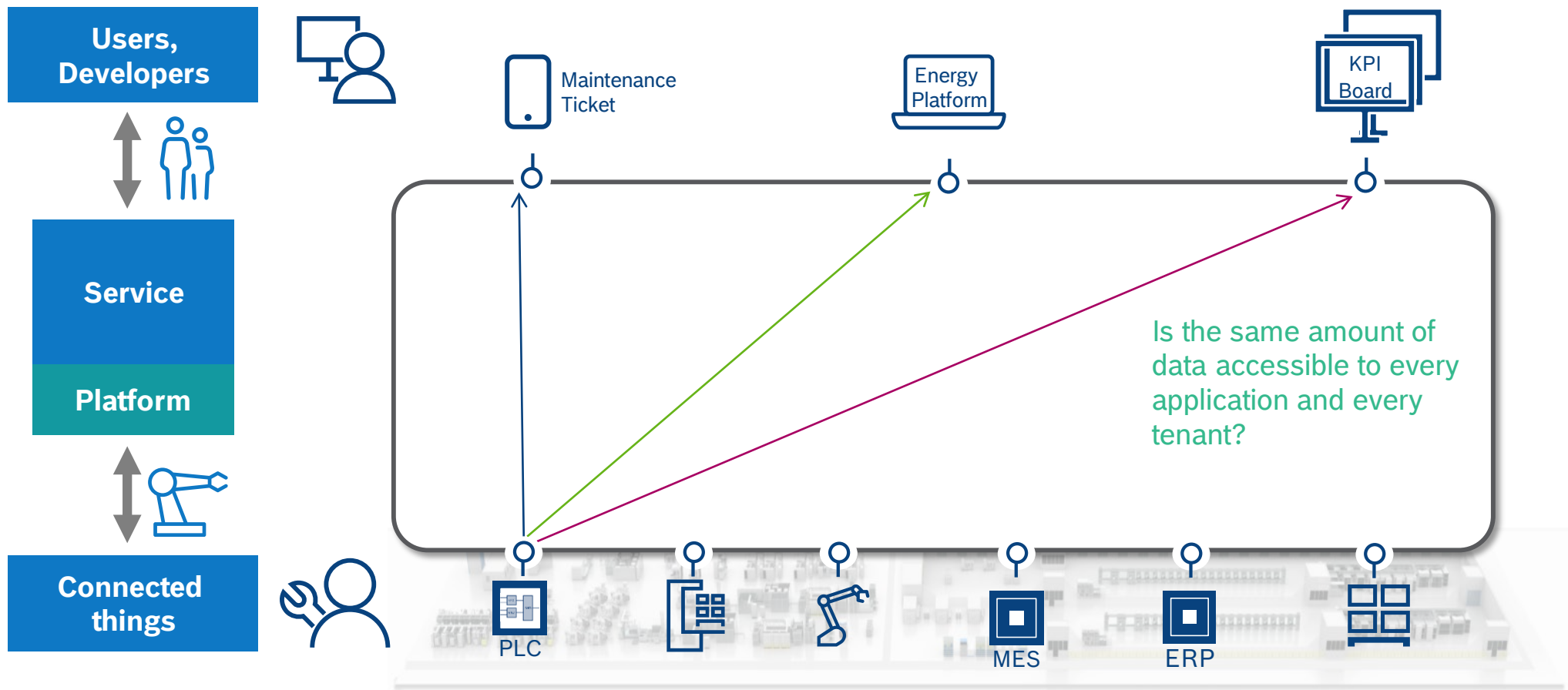
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The heterogeneous world – real hidden costs



Lernreise Industrie 4.0

Data Sharing across Stakeholders



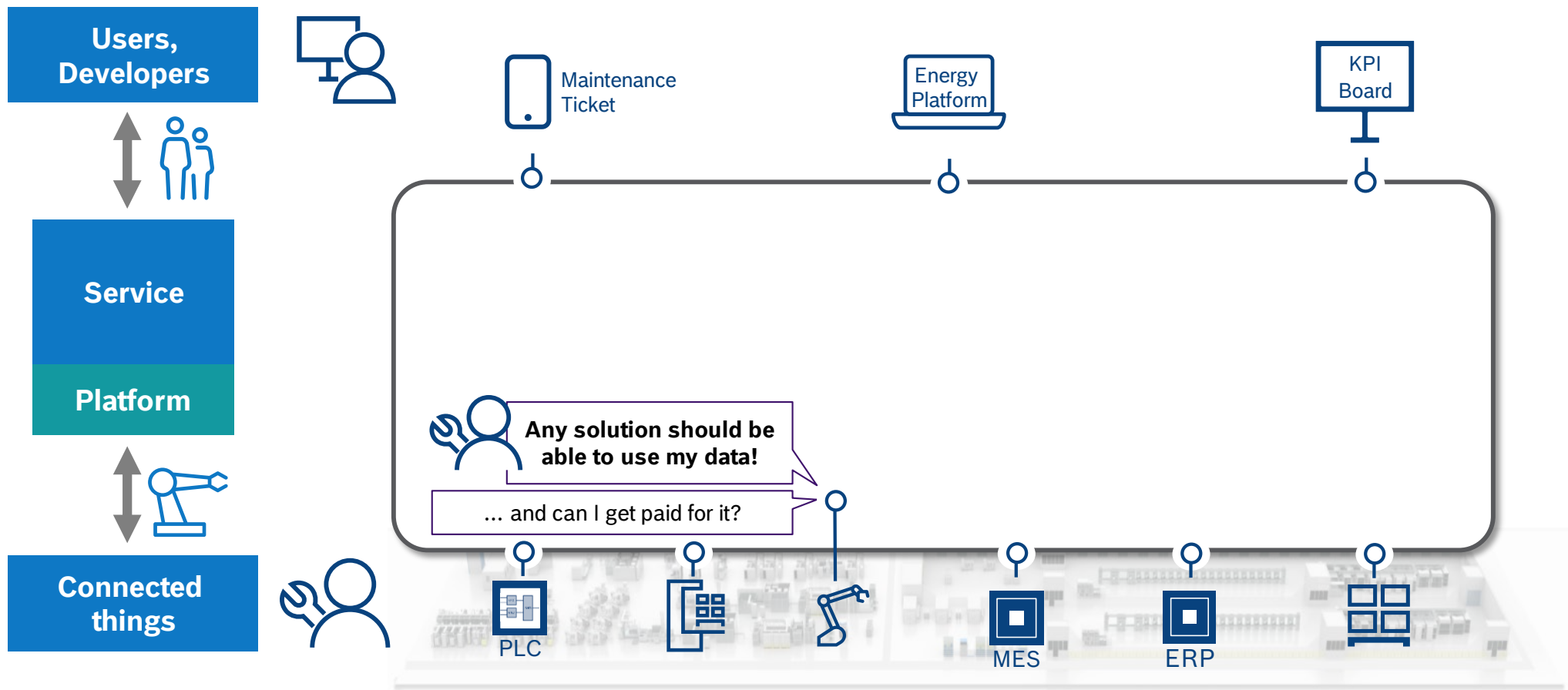
Lernreise Industrie 4.0

Workshop

- ▶ Gruppenarbeit 20':
 - ▶ Wo haben Sie das Problem der heterogenen Fertigungs-IT?
Bzw. wenn Sie Maschinen OEM sind, wo hat Ihr Kunde dieses Problem?
 - ▶ Wie gehen Sie Lösungswege an?
 - ▶ Austausch zwischen den Gruppen
- ▶ Vorstellung 20':
 - ▶ Nexeed Open Integration von Bosch - Digital Twin

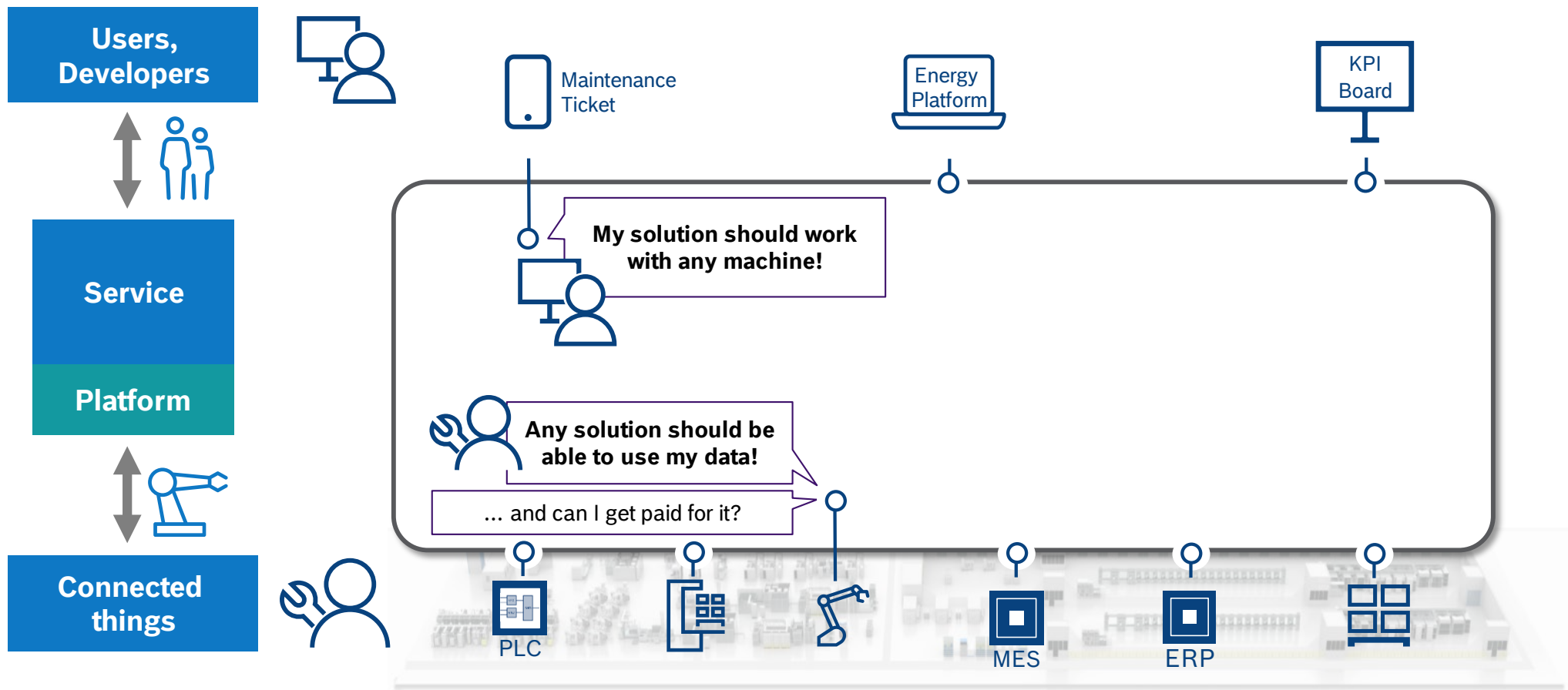
Nexeed Open Integration - Digital Twin

The heterogeneous world of manufacturing IT



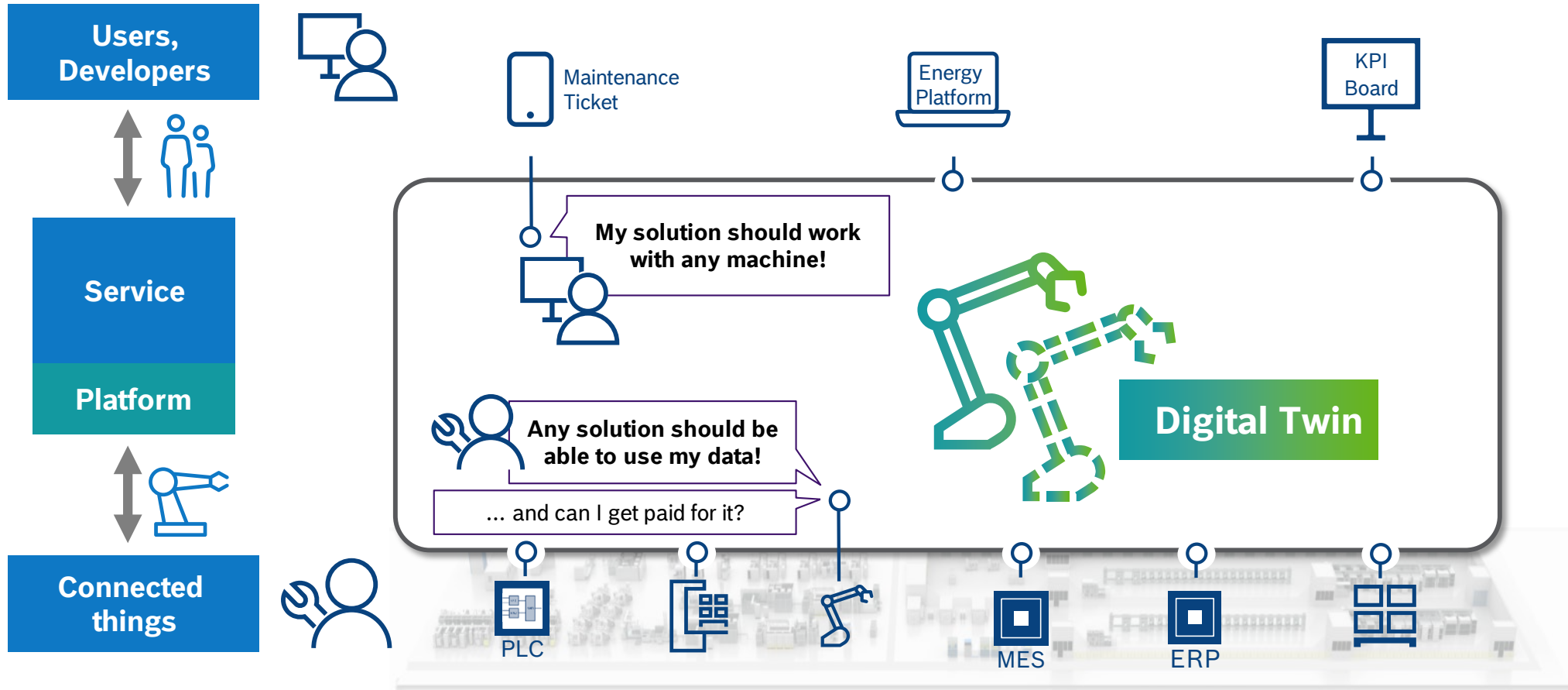
Nexeed Open Integration - Digital Twin

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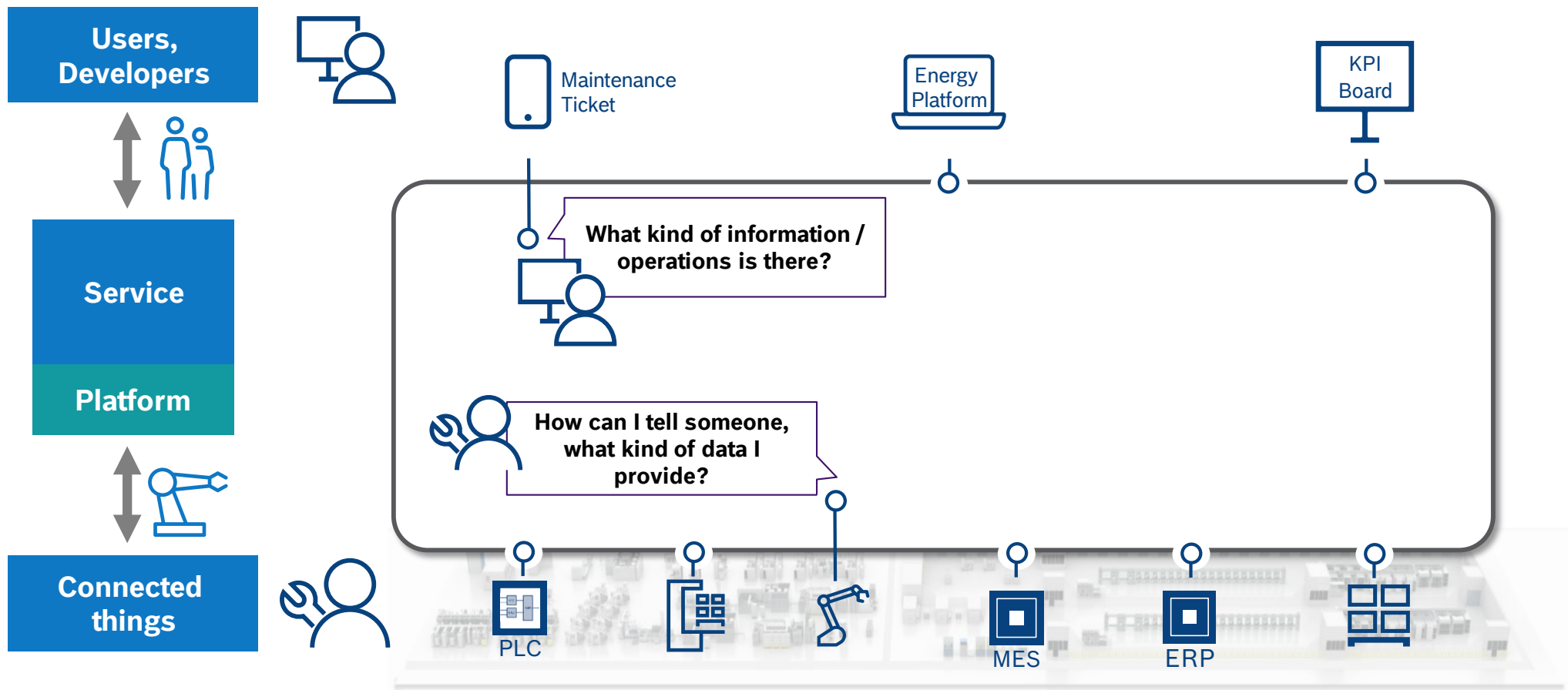
Nexeed Open Integration - Digital Twin

The Digital Twin as an answer



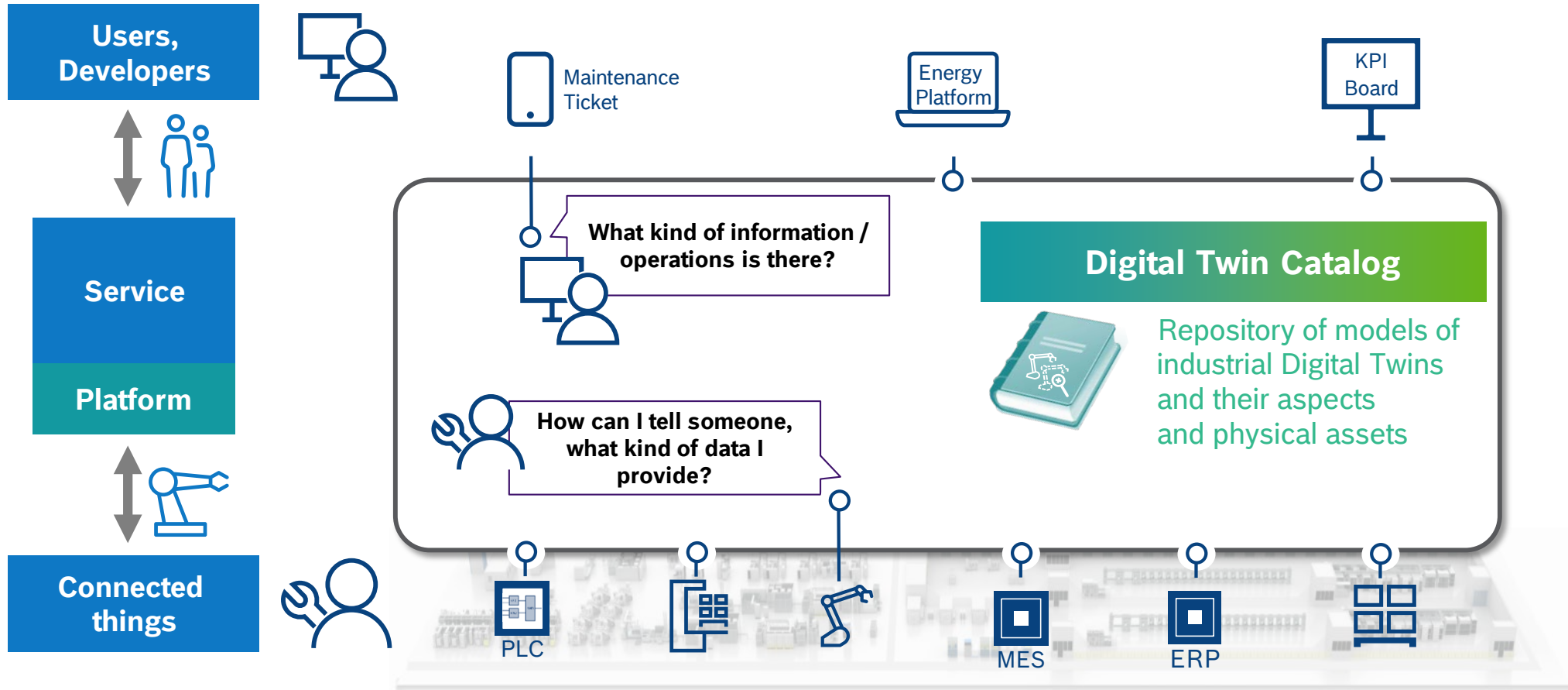
Nexeed Open Integration - Digital Twin

Describing what there is!



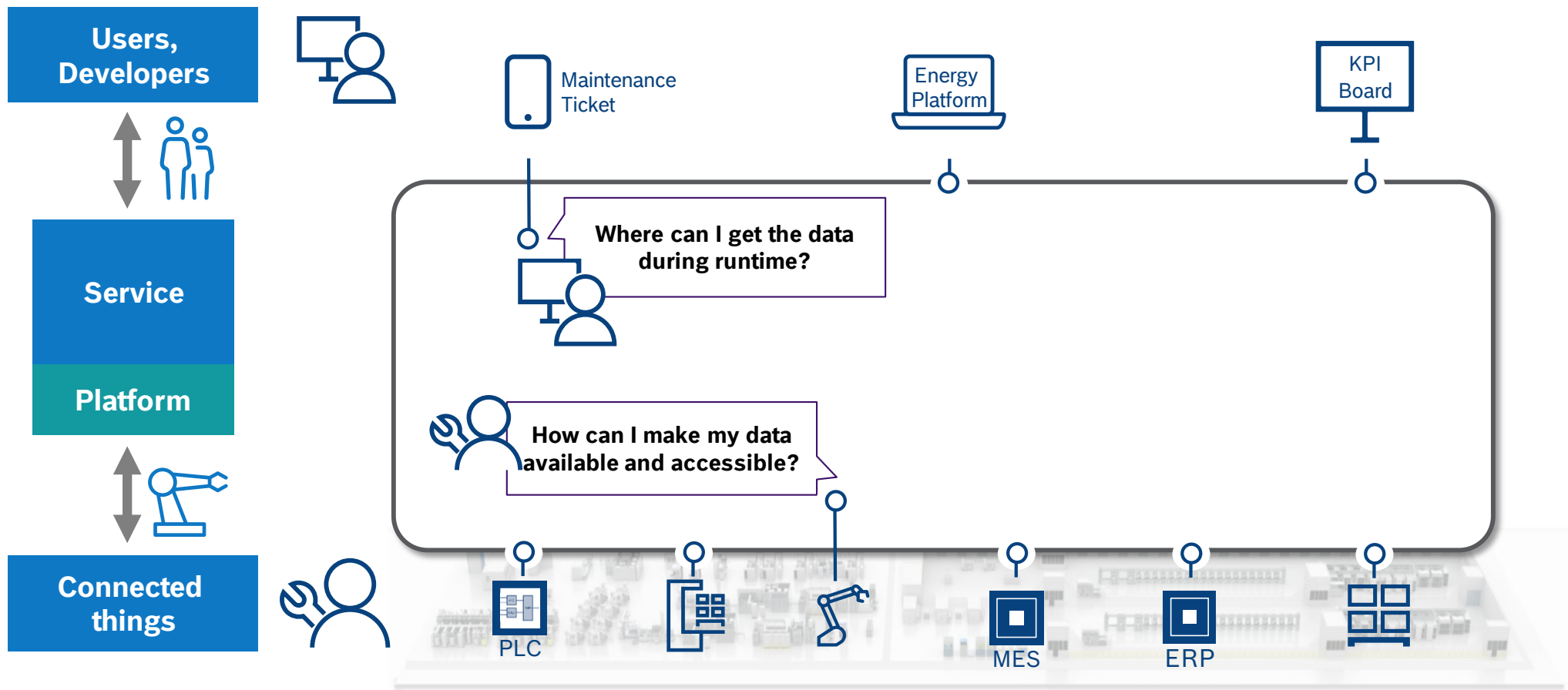
Nexeed Open Integration - Digital Twin

Describing what there is – Digital Twin Catalog



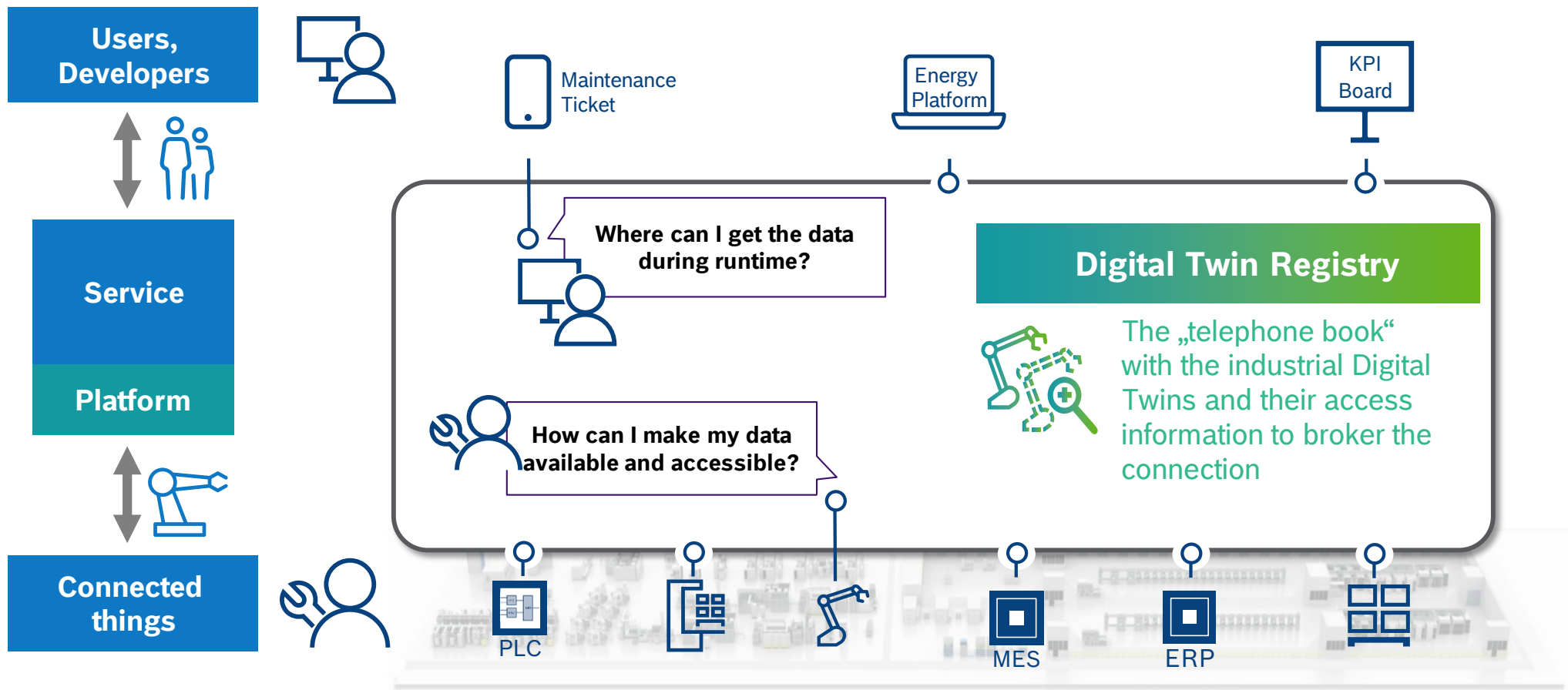
Nexeed Open Integration - Digital Twin

The Runtime – accessing information



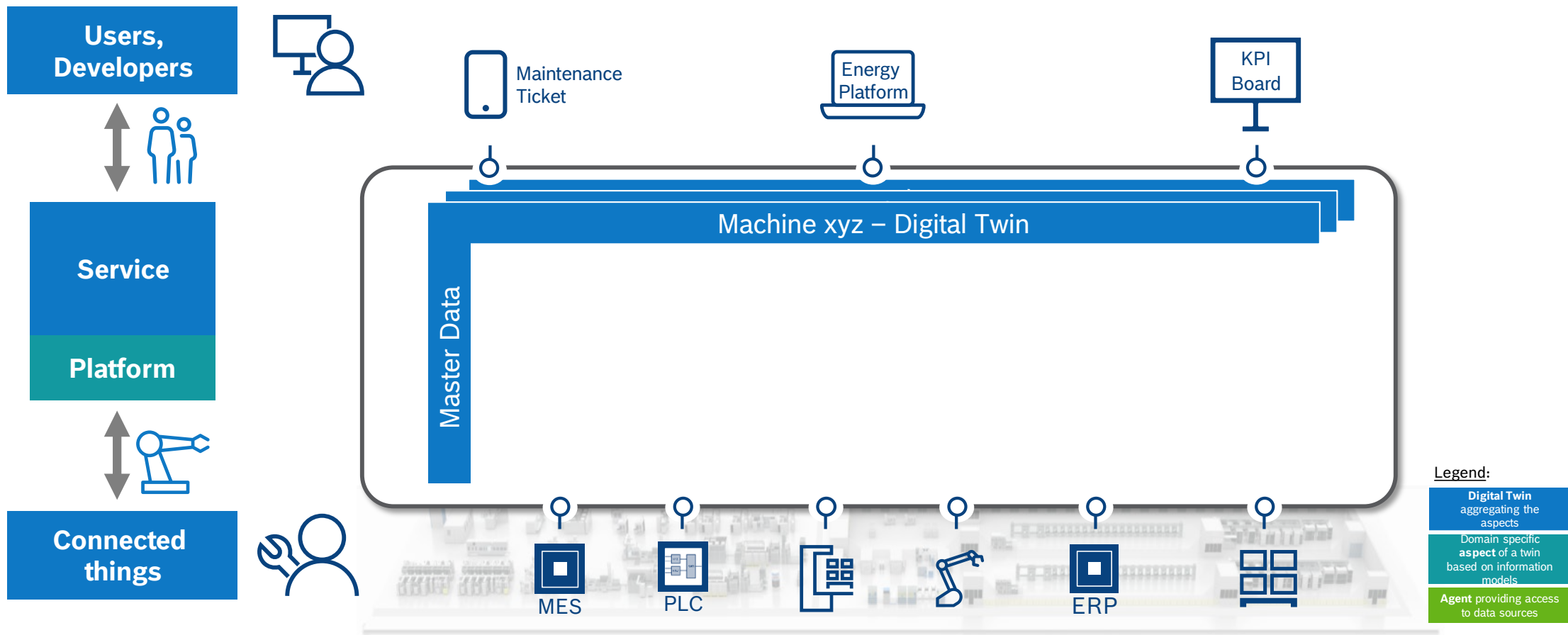
Nexeed Open Integration - Digital Twin

Digital Twin Registry – A telephone book



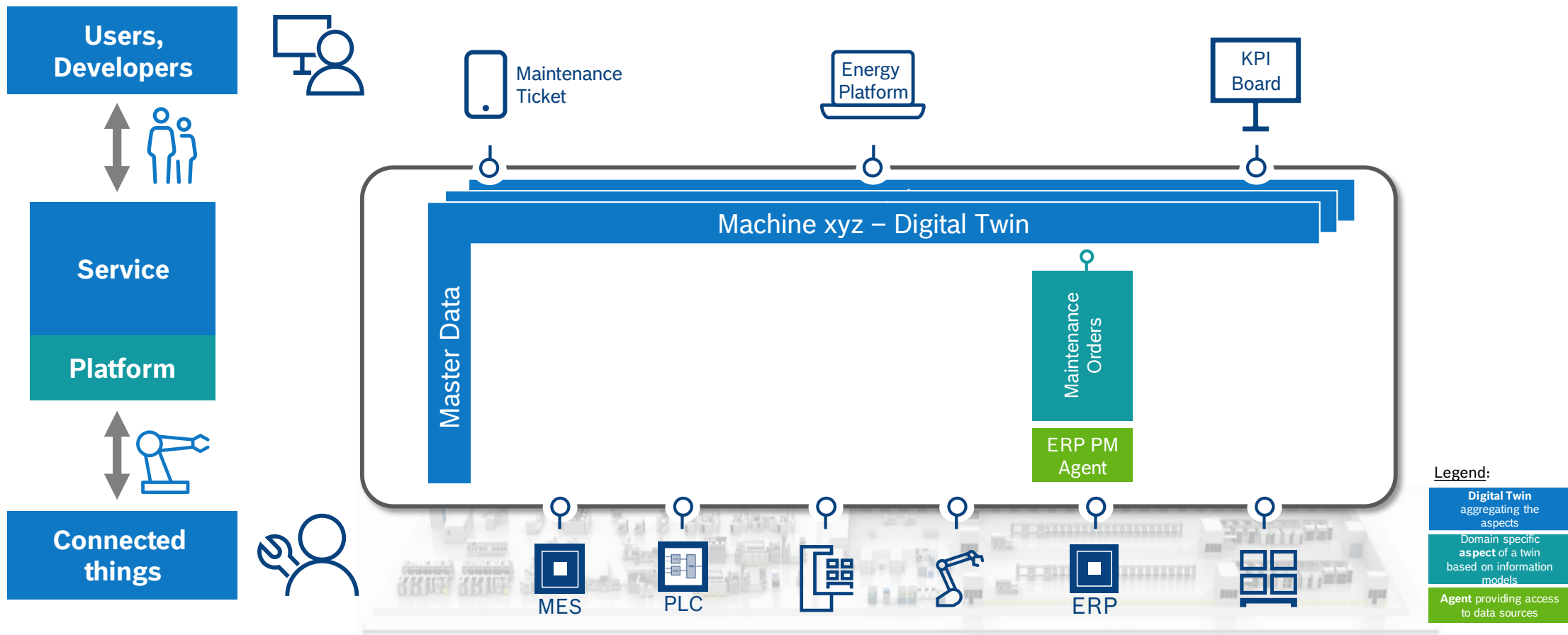
Nexeed Open Integration - Digital Twin

Digital Twin Aspects – Domain knowledge coded in IT



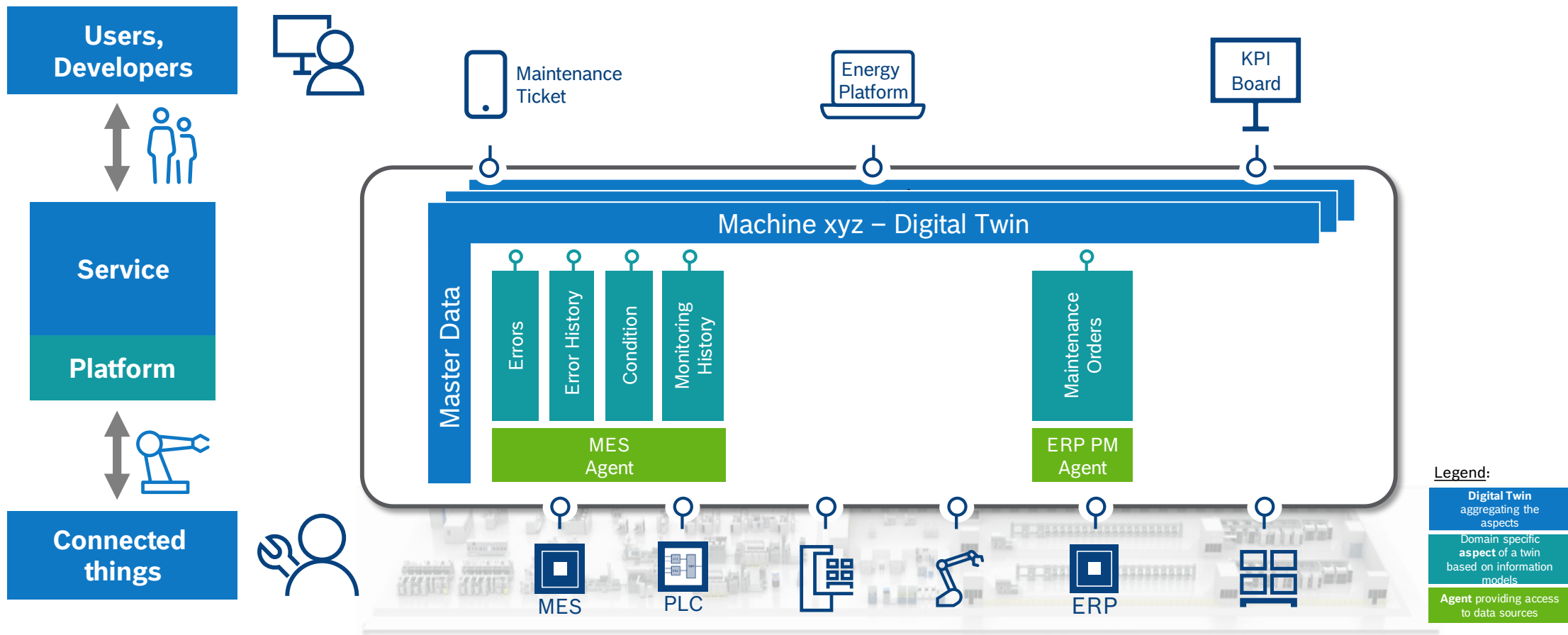
Nexeed Open Integration - Digital Twin

Digital Twin Aspects – Domain knowledge coded in IT



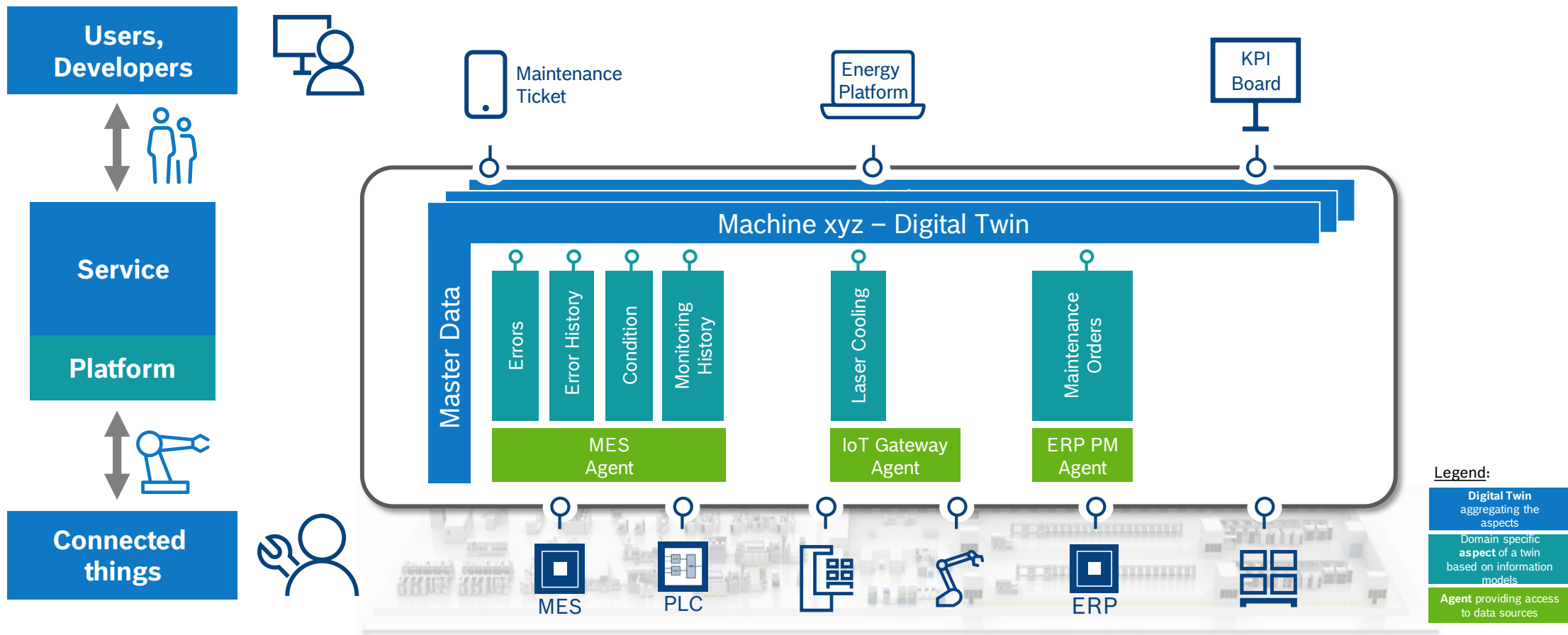
Nexeed Open Integration - Digital Twin

Digital Twin Aspects – Domain knowledge coded in IT



Nexeed Open Integration - Digital Twin

Digital Twin Aspects – Domain knowledge coded in IT

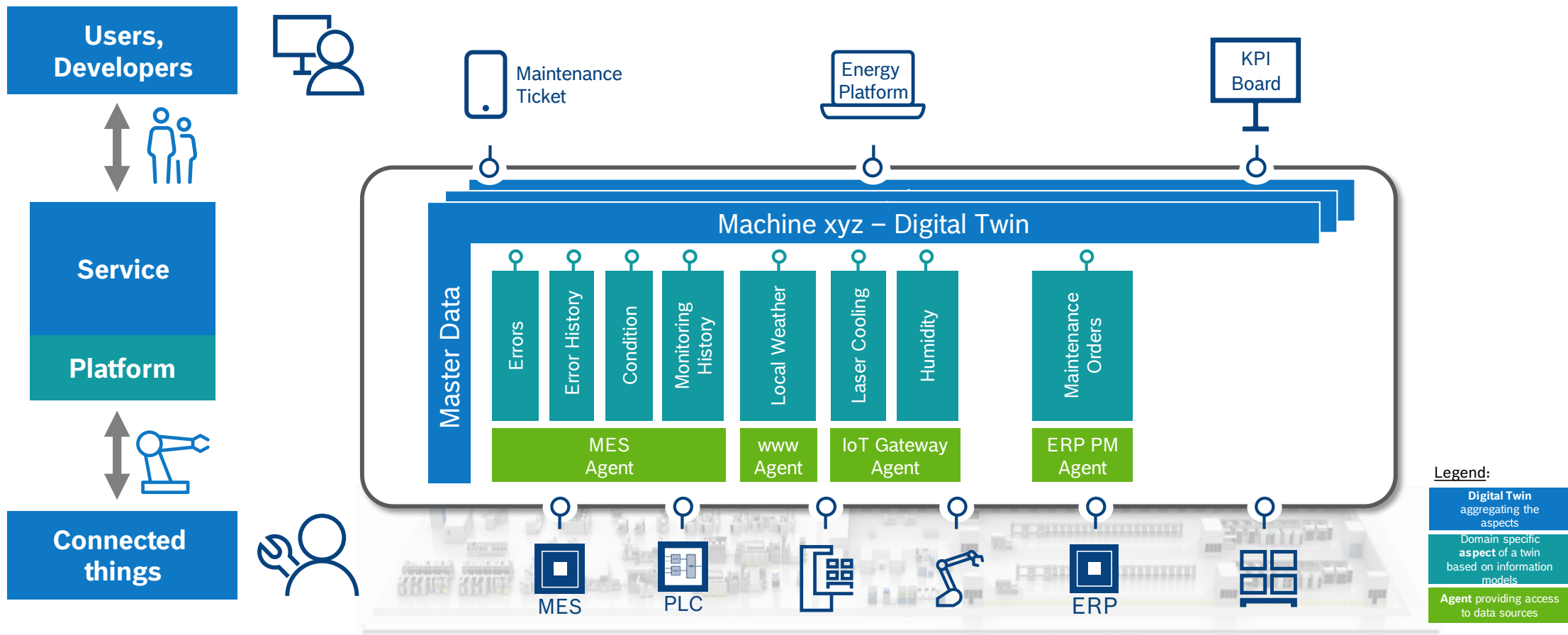


Legend:

- Digital Twin aggregating the aspects** (Blue box)
- Domain specific aspect of a twin based on information models** (Teal box)
- Agent providing access to data sources** (Green box)

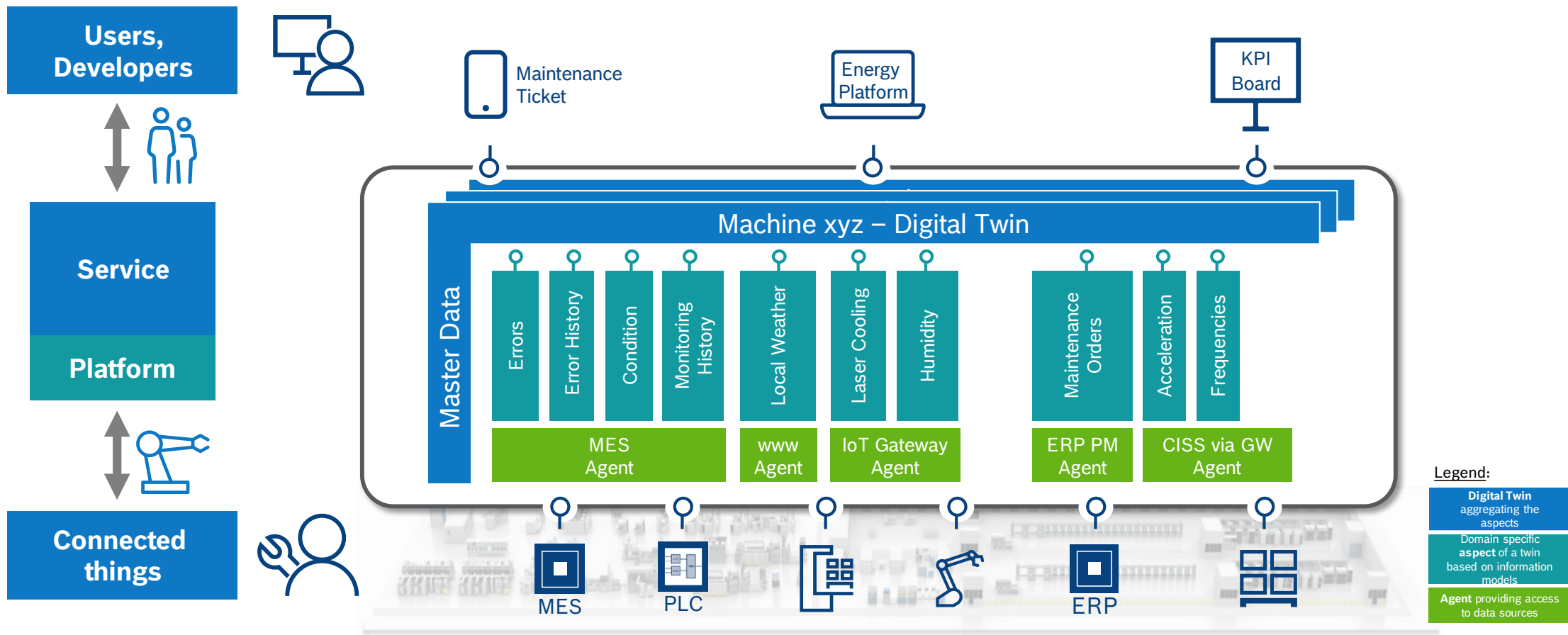
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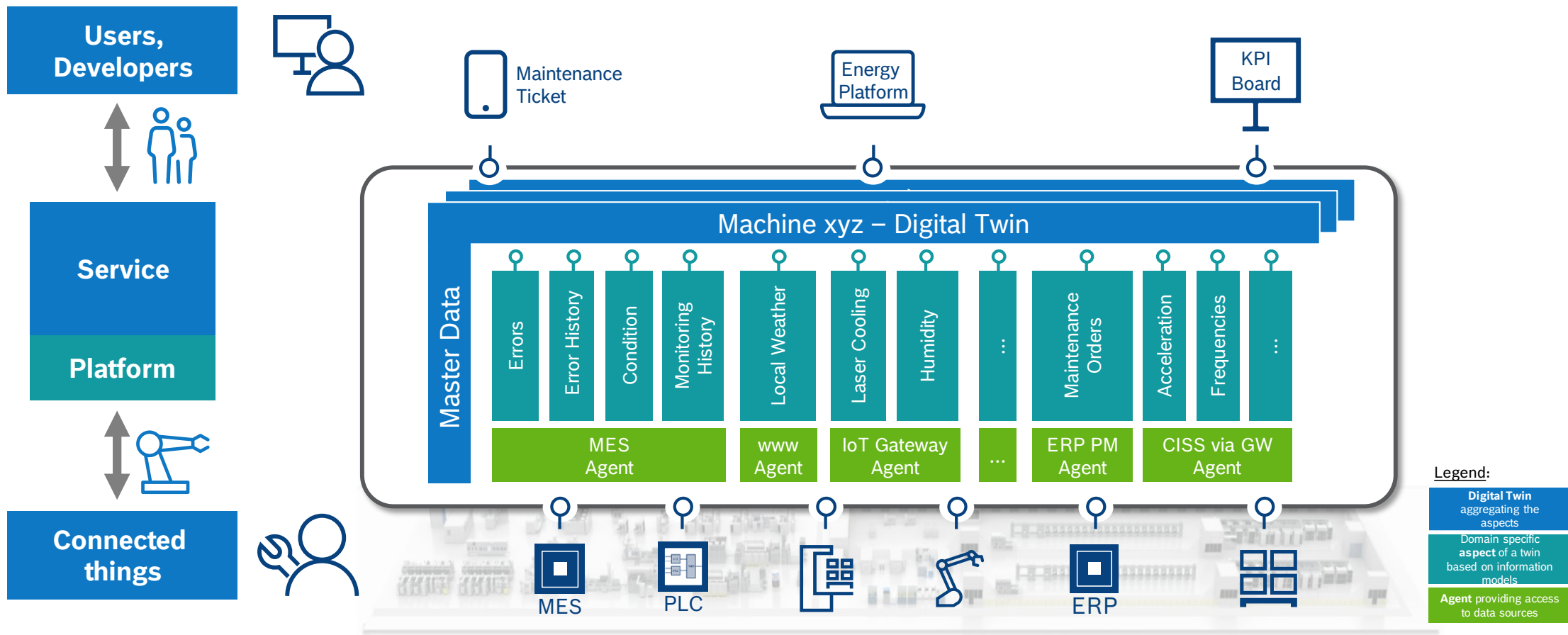
Nexeed Open Integration - Digital Twin

Digital Twin Aspects – Domain knowledge coded in IT



Nexeed Open Integration - Digital Twin

Digital Twin Aspects – Domain knowledge coded in IT



Nexeed Open Integration - Digital Twin

- ▶ Bosch Connected Industry Offering
 - ▶ Operations of Nexeed Open Integration - Digital Twin System with Registry and Catalog
 - ▶ Implementation of Digital Twins and Aspects
 - ▶ Consulting and Support to digitalize / “twinify” your shopfloor
 - ▶ Integration of Nexeed applications and other products / solutions