



IoT platform service helping to improve competitiveness of manufacturing industry

NTT DATA
Big Data Business Promotion Office
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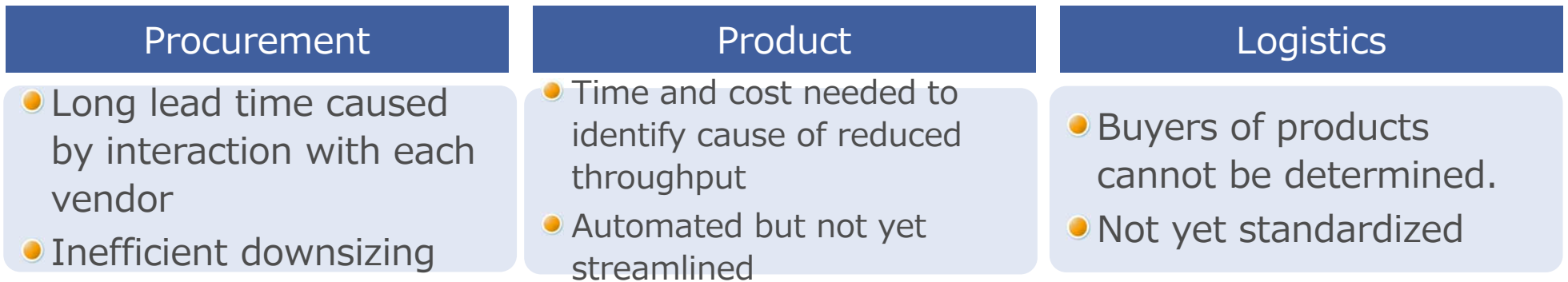
Trend: IoT/Industry 4.0 etc. are hot topics in manufacturing industry.

→ Manufacturers require a system that makes data openly available and allows the various stakeholders who form their value chains to solve problems quickly and uninterruptedly.

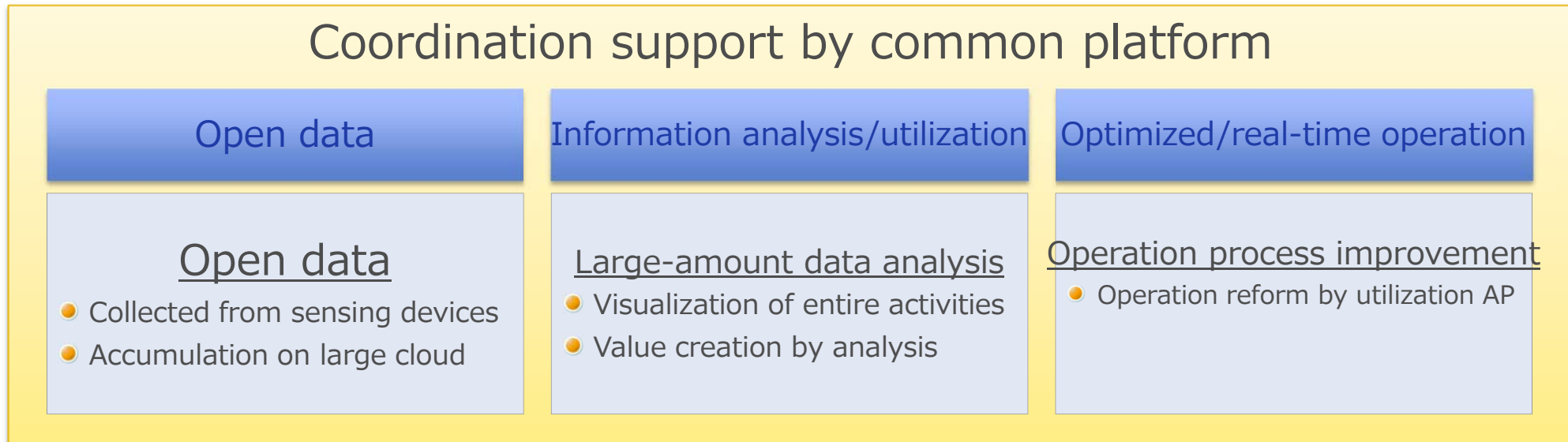
Concept: The implementation should not be divided into phases and should involve the entire supply chain.

→ Strong mutual coordination by common platform

Challenges



Coordination support by common platform



Based on our past activities, NTT DATA believes that the following three factors are what's really required to support the development of IoT for manufacturers.

Open
(Interoperability)

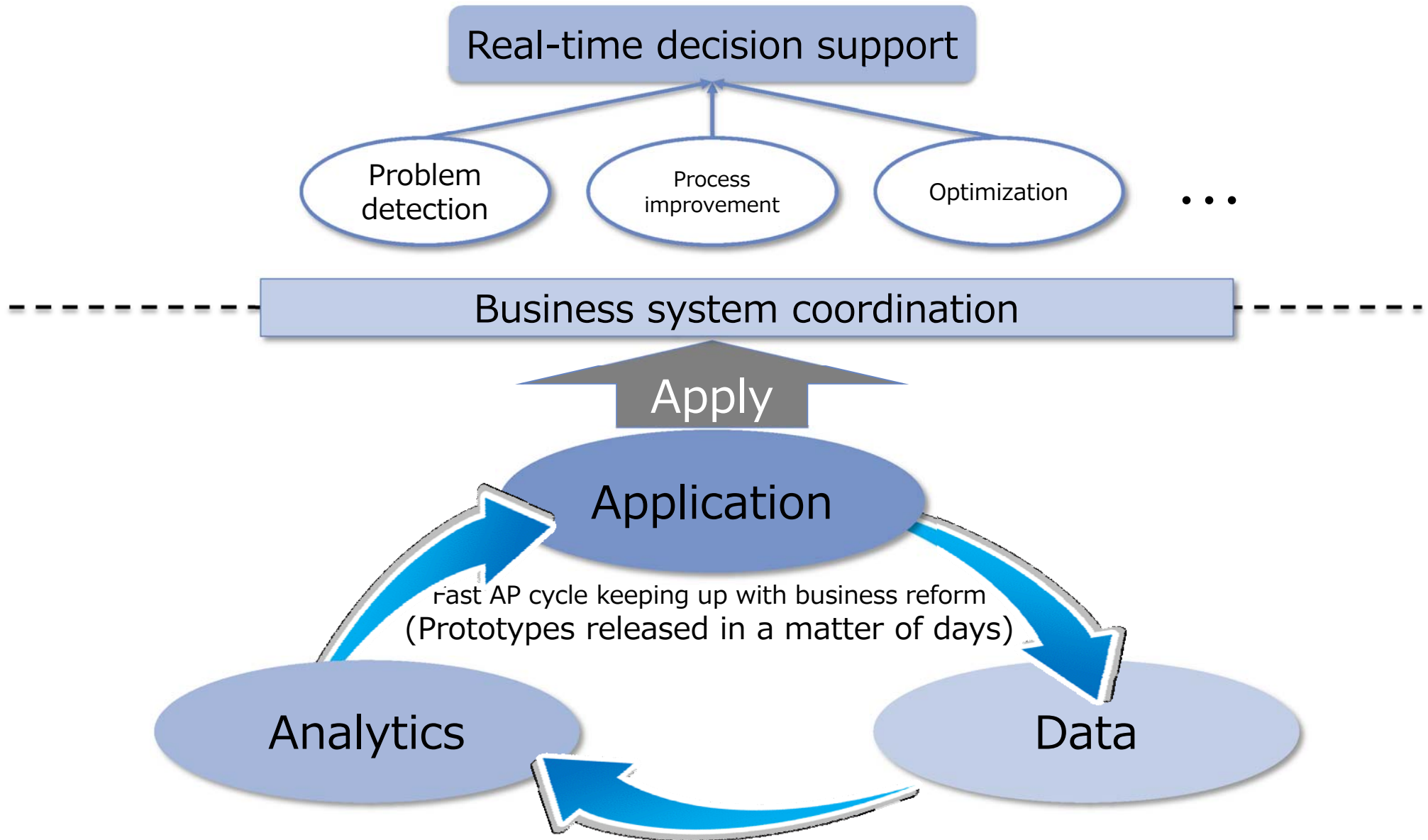
Open data and participation of stakeholders in
global supply chain

Real-time

Real-time visualization of entire value chain
Prescriptive process intervention based on cause
prediction for problem

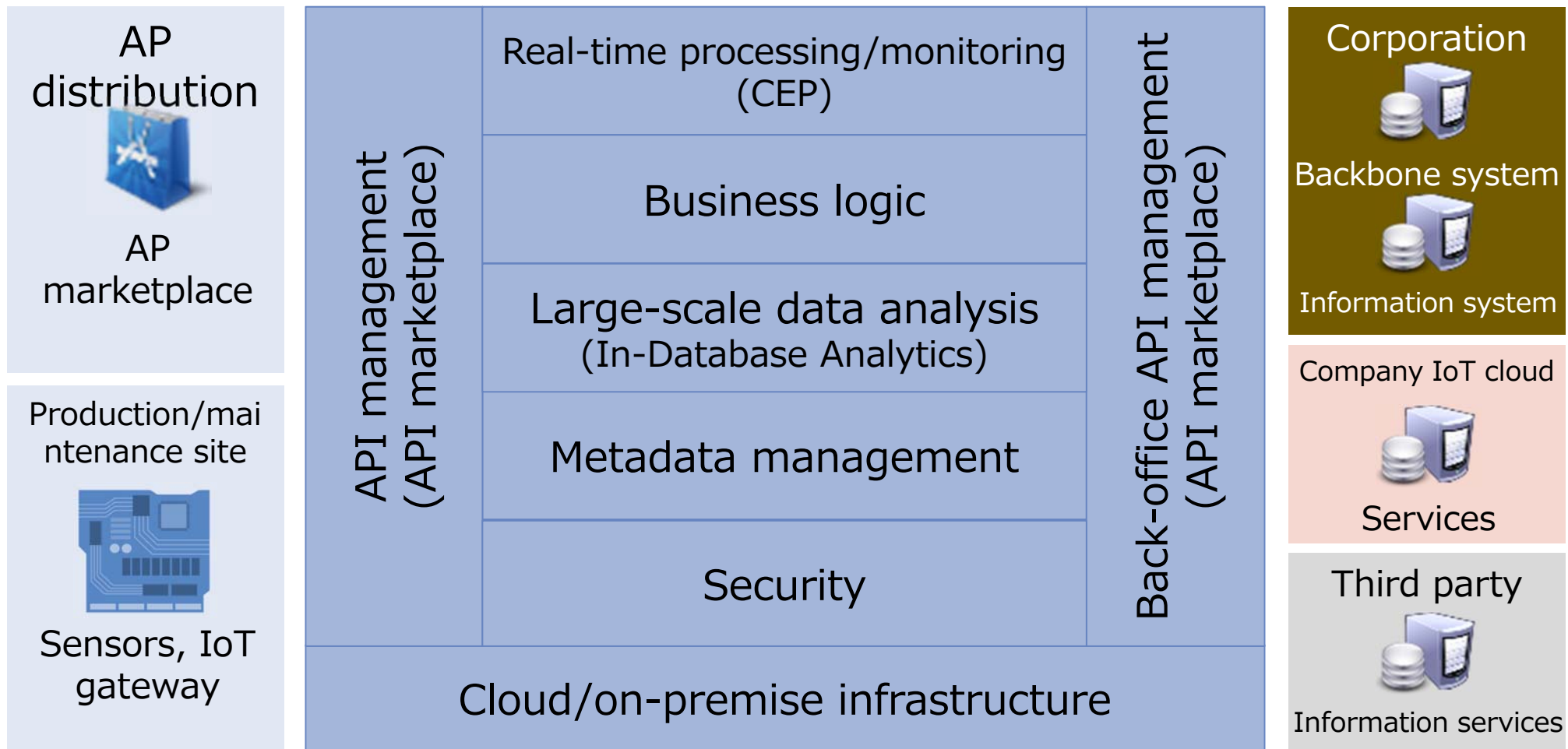
Evolutionary

Uninterrupted evolution of business processes
through distributed/spontaneous cooperation
among stakeholders



4. Picture of IoT platform sought by NTT DATA

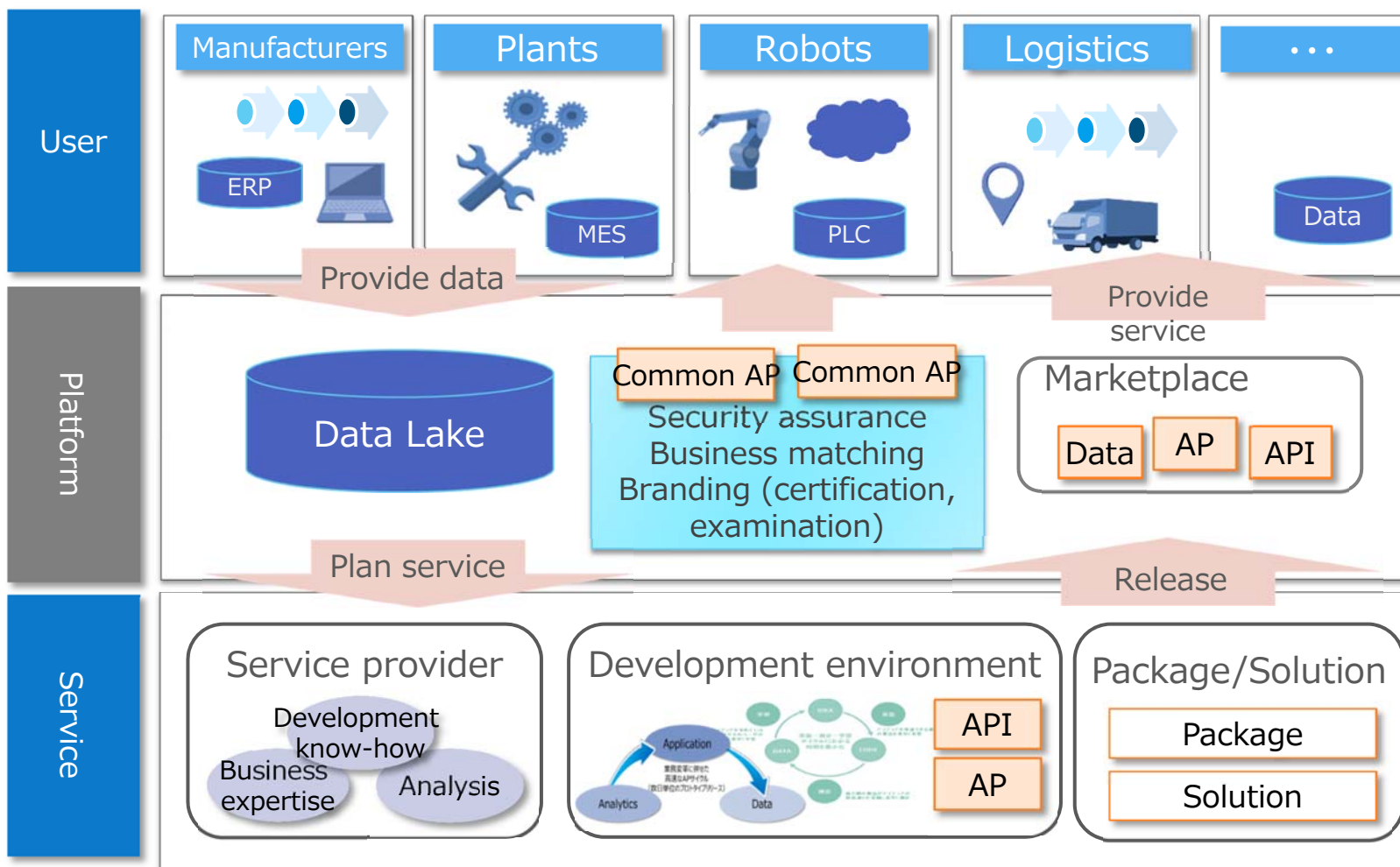
Building blocks of large-scale, real-time data analysis platform are common functions for allowing applications using collected data to be built or distributed easily.



- The most important characteristics of the platform leading to a business advantage: as users increase, new value is created and a virtuous circle emerges.

Utilization of platform

Effect



Creating new business opportunities

Improving PF value by accumulating a wide variety of data

Creating data utilization services with higher value



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