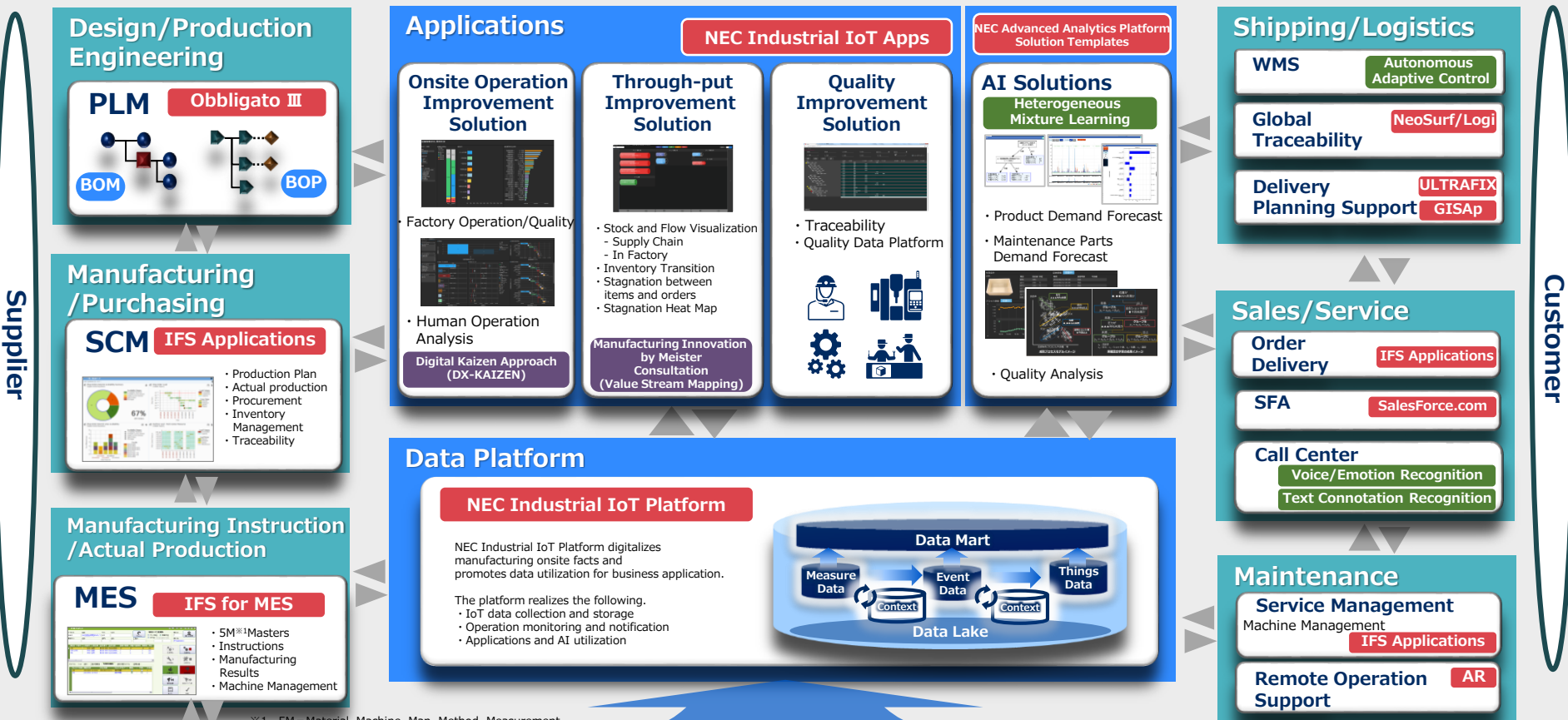


NEC Industrial IoT Connected Factory Solution Map

Legend : Software Service AI/Advanced Technology



Manufacturing-onsite Improvement and Digitalization

- Human Operation** (Service) **Human Operation Solution** (Service)
 - Voice instructions and work log collection
- Individual Identification** (Service) **Fingerprint of things authentication** (Service)
 - Identify individuals by fingerprint of things
- AI Visual Inspection** (Service) **AIVI** (Service)
 - Visual inspection utilizing deep learning.
- Anti-Spoofing** (Service) **Face Recognition** (Service)
 - Facial feature is converted into data and stored at QR code/IC card. This is used for identification.
- Health Management** (Service) **Emotion Analysis** (Service)
 - Utilizing wearable device and cloud to visualize human emotion.
- Robot Control** (Service) **AGV Optimization** (Service)
 - Link with production line and optimize AGV's flow.
- Location Finding** (Service) **Hearable** (Service)
 - Indoor location finding by terrestrial magnetism
 - Biometrics authentication by echo of the ear canal
- Visualization Trial** (Service) **Industrial IoT Starter Kit** (Service)
 - Auto-collect, visualize, analyze for machine operating information

Edge Computing



Infrastructure

- Factory Computer**
- Cloud Service**
- High Reliable Wireless**
- Security**
- Machine/Sensor Linkage**