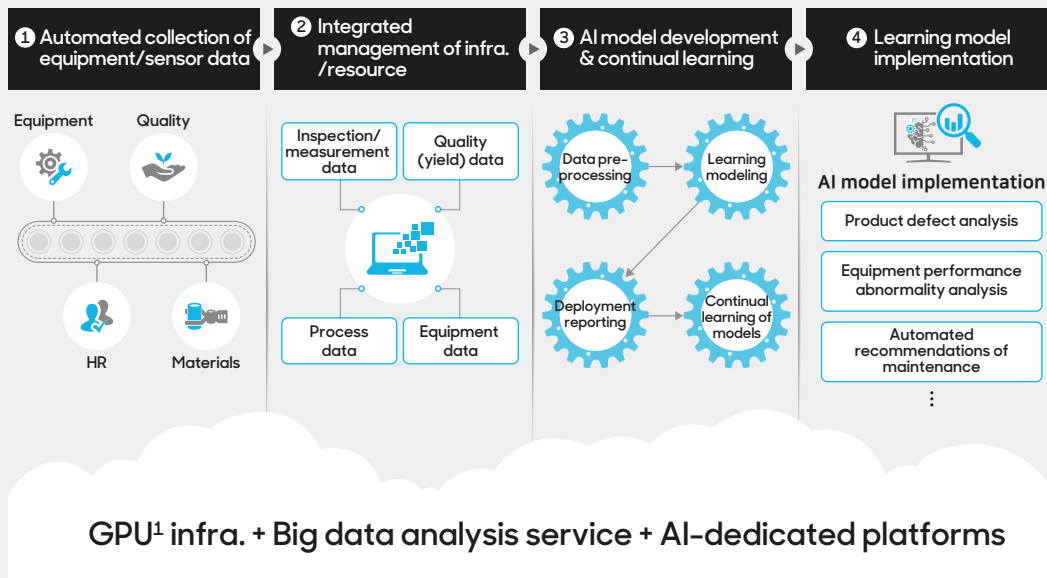SDS Cloud Use Case

SDS Cloud Infrastructure :
GPU Service

The cloud-based integrated GPU platforms help to secure and share research resources conveniently and swiftly while reducing the required deep learning time with higher parallel processing efficiency
(SDS: 92% vs. Company A: 89%).
Efficient H/W operation is also provided with integrated resource monitoring.

AI/Big data analysis platform for manufacturing equipment testing

❶ Automated collection of equipment/sensor data

❷ Integrated management of infra. /resource

❸ AI model development & continual learning

❹ Learning model implementation

Equipment   Quality

HR   Materials

Inspection/ measurement data

Quality (yield) data

Process data

Equipment data

Data pre-processing → Learning modeling

Deployment reporting → Continual learning of models

AI model implementation

- Product defect analysis
- Equipment performance abnormality analysis
- Automated recommendations of maintenance

GPU¹ infra. + Big data analysis service + AI-dedicated platforms

¹ GPU : Graphics Processing Unit