

OPEN MANUFACTURERS  
CLOUD PLATFORM

Cloud & Applications

4 COMMON  
CLOUD CENTRAL

Central Asset Template Repository (Semantic Library)

AAS Type templates

AAS Instance templates

Collaboration  
Infrastructure

AAS Reference Registry

Open API

Cross Company  
Network  
Applications

Identity & Access Management

Platform Services

Data Storage

Stream Processing

Monitoring & Logging

Payment Metering

Platform Specific API

Additional Services

Identity & Access  
Management

Application  
Management

Device Management

Data Sharing

Cloud Applications

AAS Infrastructure

AAS Server

AAS Registry

General  
Open API

Backend  
Applications

Edge Connectivity

OEC Connector

Service Layer

CLOUD

3 OPEN OPERATOR  
CLOUD PLATFORM

FIREWALL

SECURE CONNECTION

FIREWALL

2 OPEN EDGE  
COMPUTING

Runtime & Docker Framework

Data Visualization

Partner App

Customer App

OEC Registry

OOC Connector

Message Bus

Protocol  
Adapter

Security Infrastructure

Analytics Model

Data Aggregation

System Monitoring

Custom-specific /  
proprietary Adapter

Configuration &  
Updates

Data Storage

Edge Configuration

On Premise  
Applications

1 OPEN EDGE  
CONNECTIVITY

OPC UA Server

HART

ID Link

PROFIBUS

PROFINET

Modbus

EtherCAT

...



SHOP FLOOR

PHYSICAL THINGS



Machines, Compounds, PLCs, Vehicles, Gateways,  
Devices, Sensors & Actuators, Historians