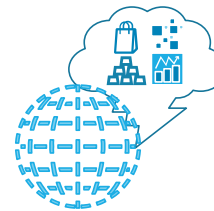
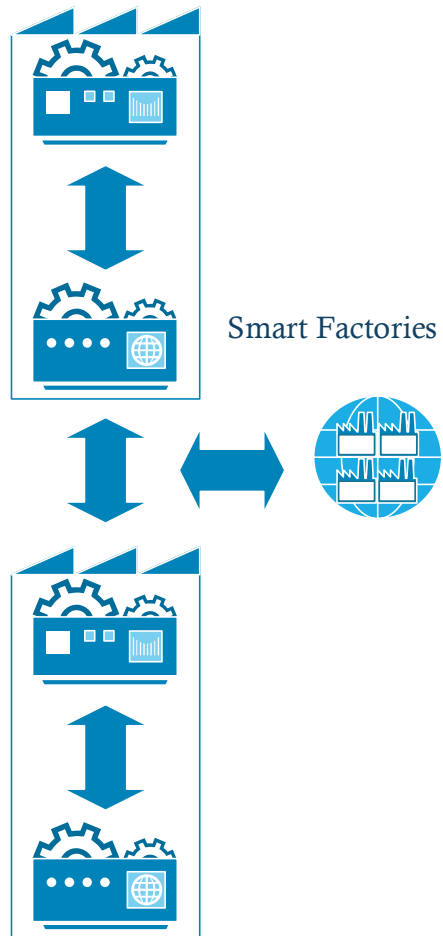


Breanos DAIPAN

Digitalised manufacturing and logistics process

The software solution by Breanos

Industrie 4.0



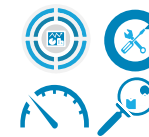
Global Interaction



Artificial Intelligence



Secure
Communication



Optimization



Incident
Response



Predictive
Maintenance



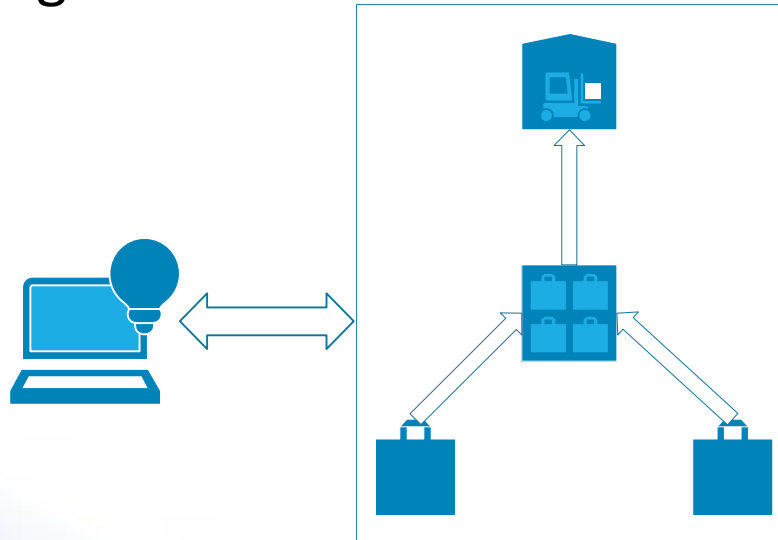
Analysis



Just in Time

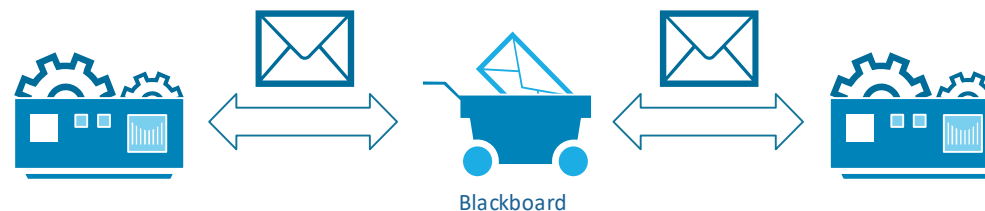
The Product

- Main focus on product
- Heart of all operative actions
- Central data processing unit



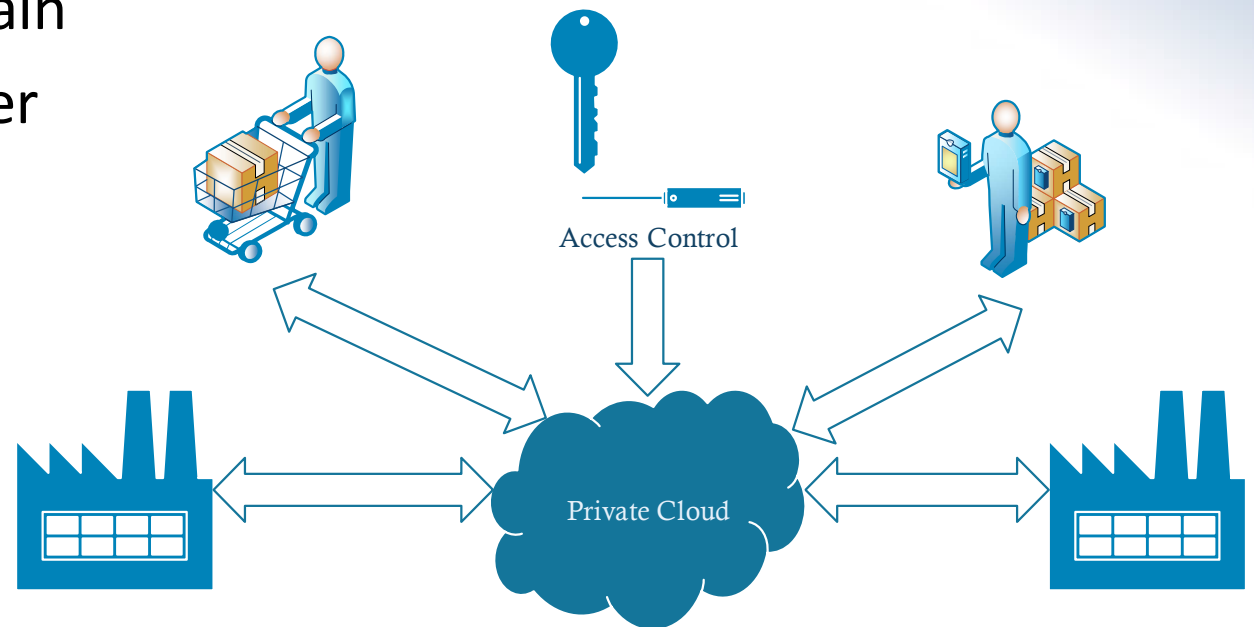
Social Devices

- Devices cooperate and communicate with each other
- Work across systems and department borders
- Maximized flexibility



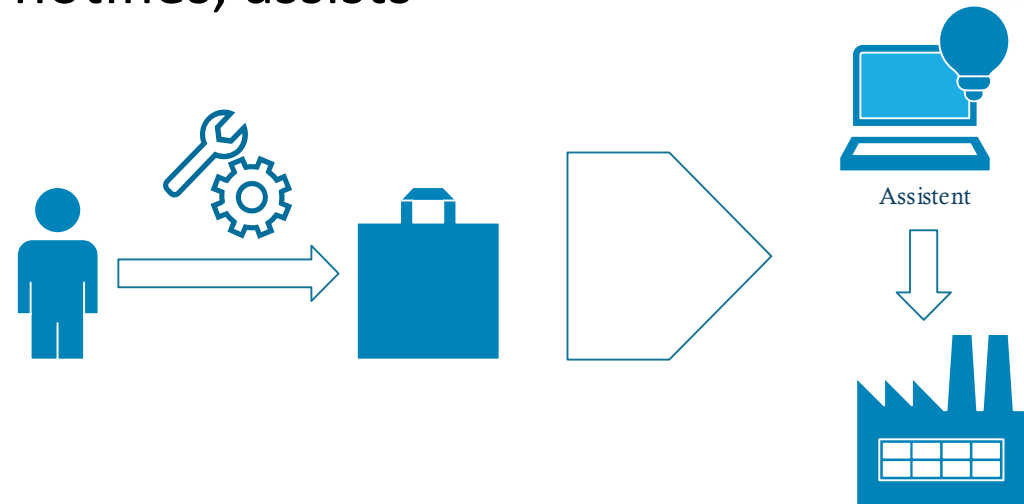
Global Production

- Production facilities cooperate among themselves
- Integration of supply chain
- Accessibility for customer



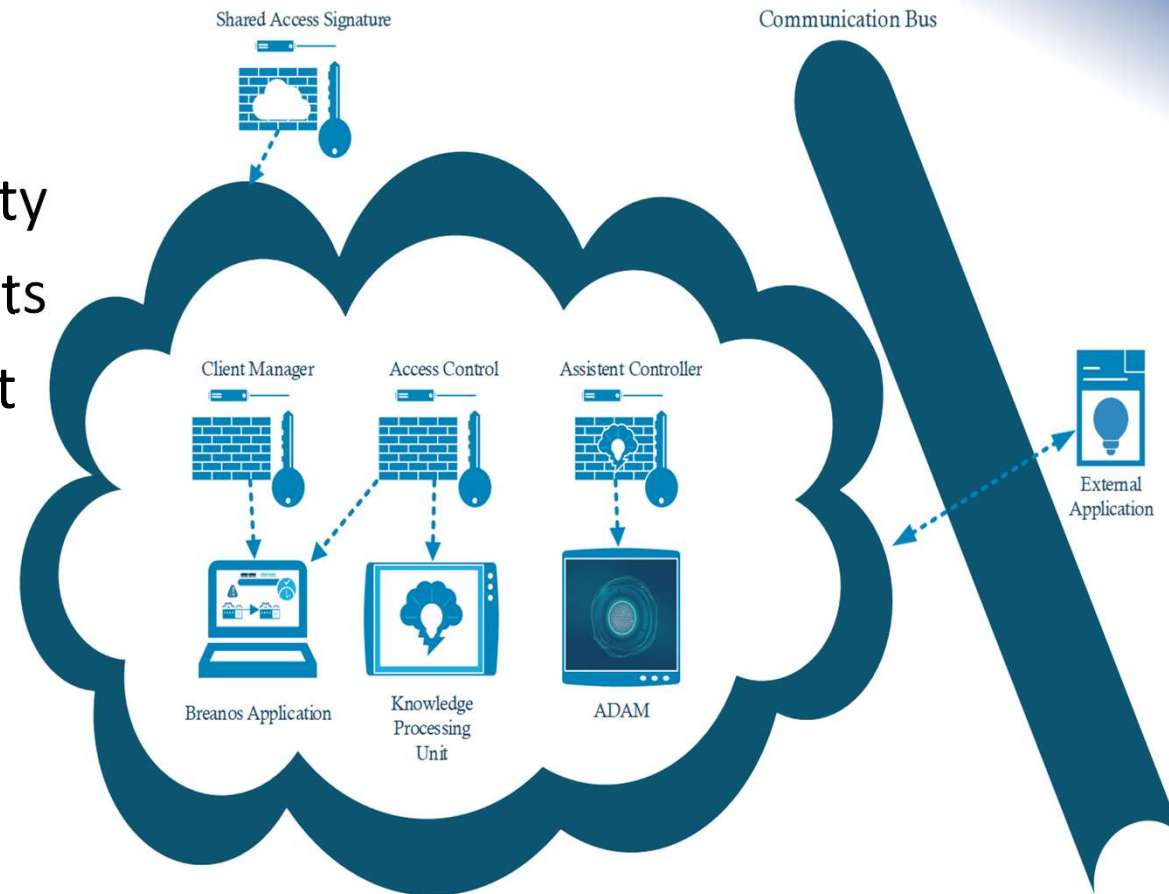
Intelligent Assistant

- Human supervises manufacturing process
- Virtual production assistant ADAM
- Assistant watches processes, notifies, assists



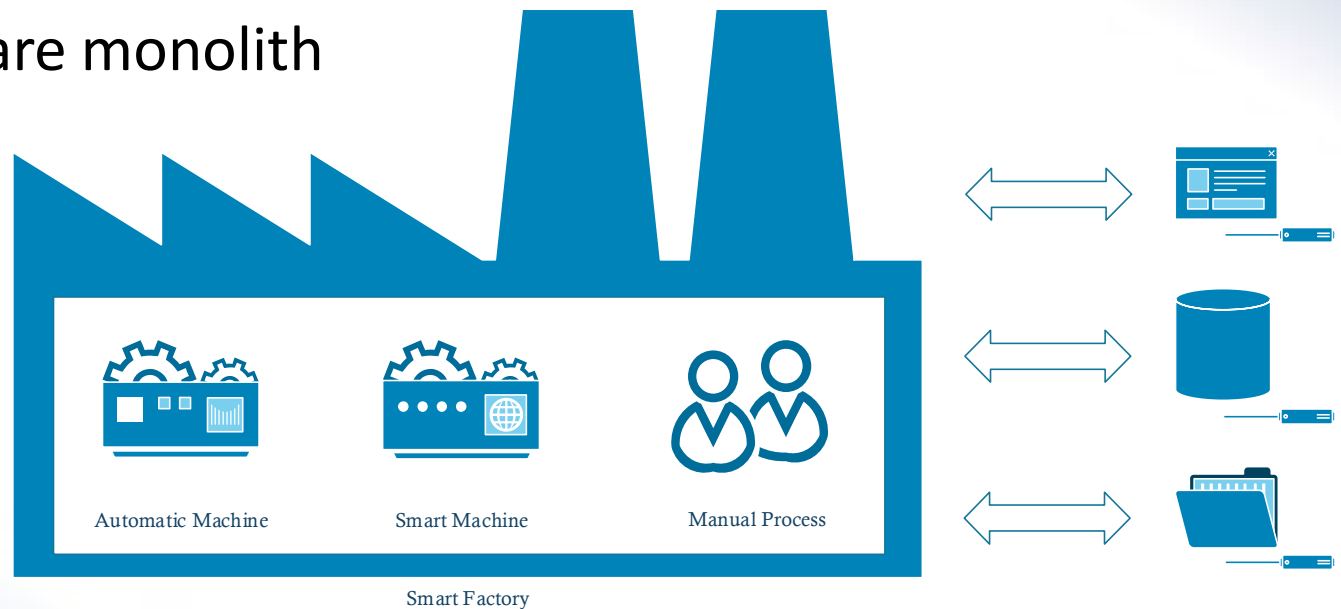
Security

- Shared Access Signature security
- Access control in all components
- Additional security for assistant



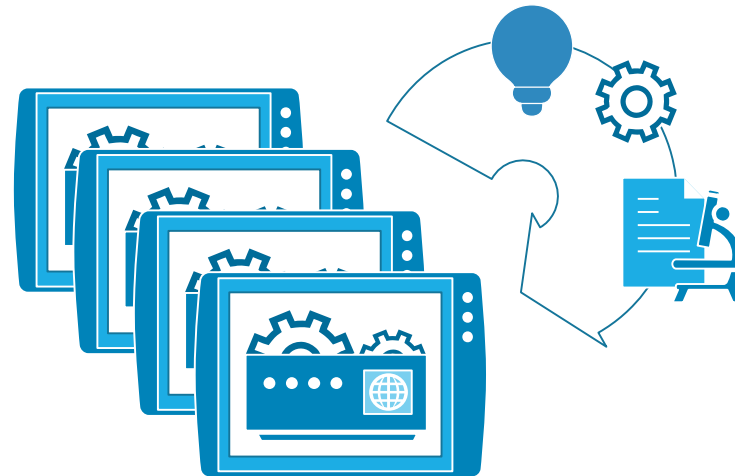
Compatibility

- Compatible with current devices
- Communicates with third-party software
- Extensible, not software monolith



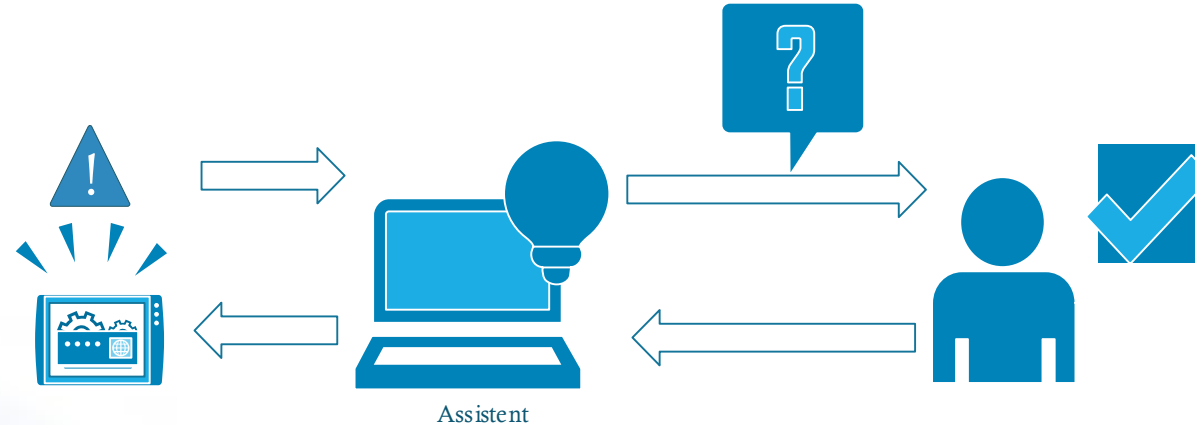
Intelligent Production

- Knowledge Processing Units
- Intelligent, machine learning, autonomous
- Product is defined, production path is found



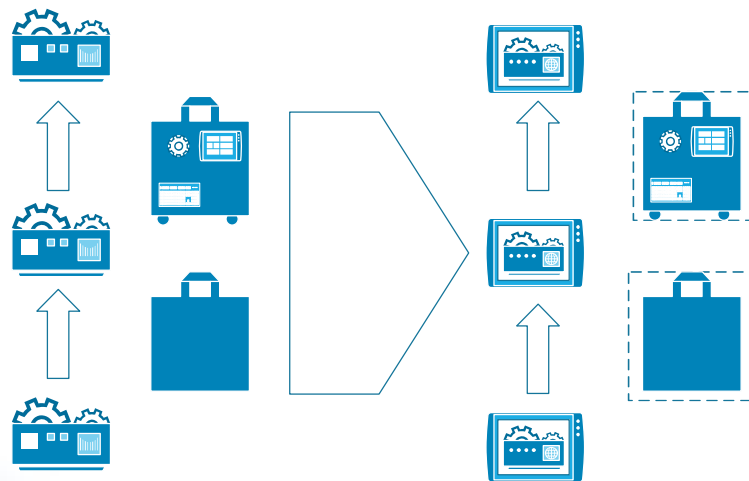
Error processing

- Automatic error detection
- Virtual assistant is notified
- Predictive maintenance



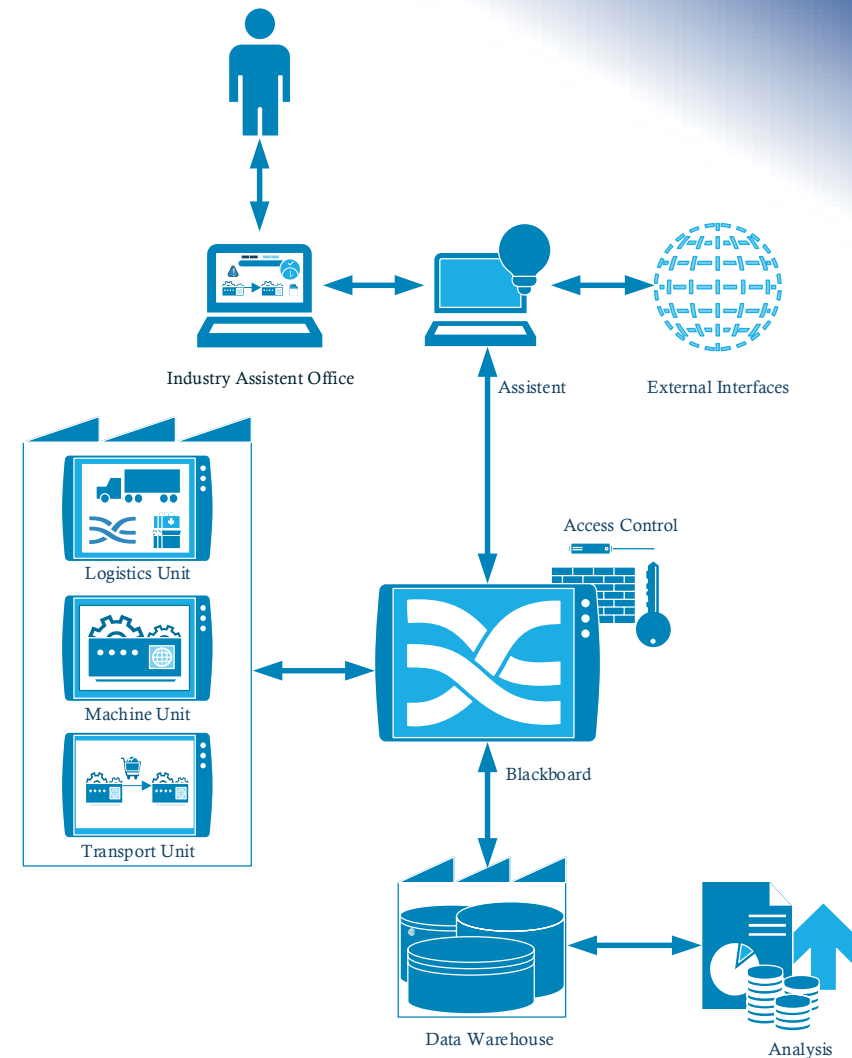
Virtual Production

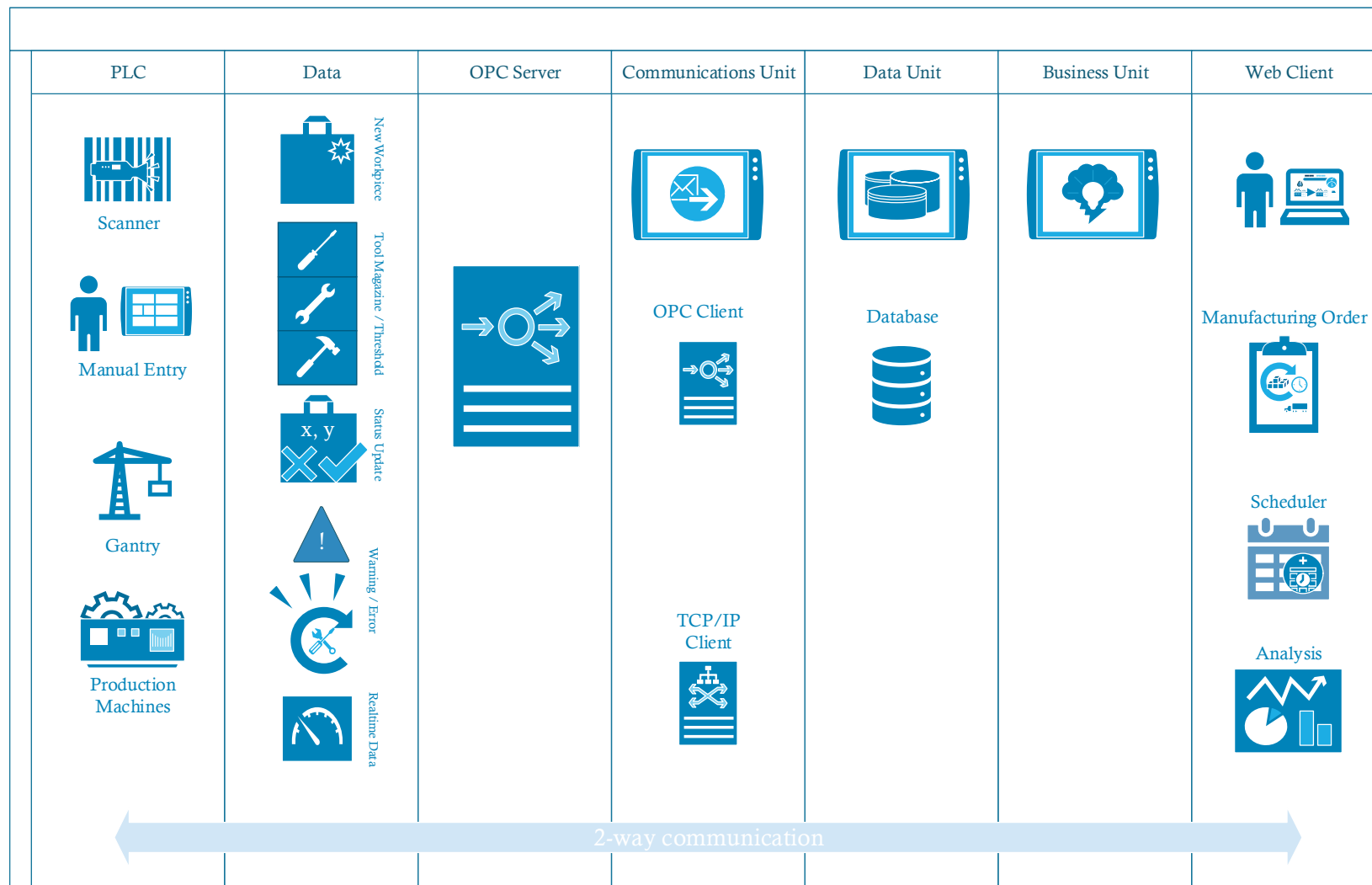
- Location and state of product known at all times
- Production history of product is stored
- Analysis involving any details of production process



Technology

- Units mirror production and logistics
- Data gets sent to blackboard
- Data is persisted
- Enables analyses
- Assistant coordinates and assists
- User operates system via assistant office
- Access control across all components
- Data can be exchanged securely





System Messages



Date	Source	Type	Message
24/07/2018	08:35:01	Info	Manufacturing Order MO20181208 is Finished

OEE - Overall Equipment Effectiveness

CREATE REPORT

Filter for reports

Start Time: 2018-01-01 End Date: 2018-07-24

Resource: Any

SEARCH

Checking Reports...
[34]

	Start Time	End Time	Resource
LOAD	2/18/2018 12:00:00 AM	3/9/2018 12:00:00 AM	All
LOAD	2/7/2018 11:47:00 AM	3/7/2018 11:47:00 AM	All
LOAD	2/7/2018 11:47:00 AM	3/7/2018 11:47:00 AM	All

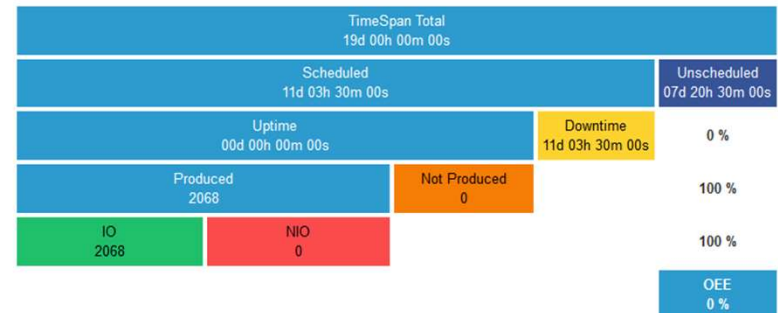
TimeSpan Total

Planned Production

Availability

Performance

Quality

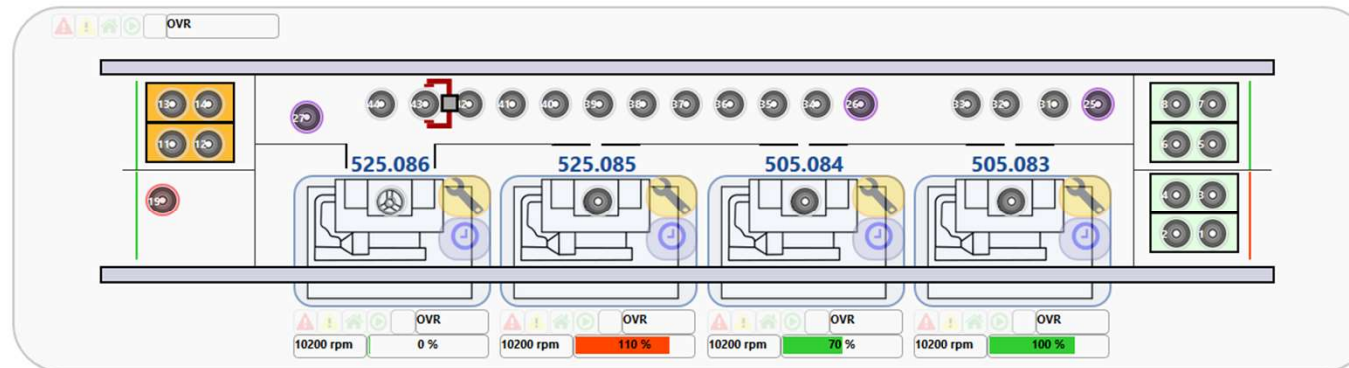


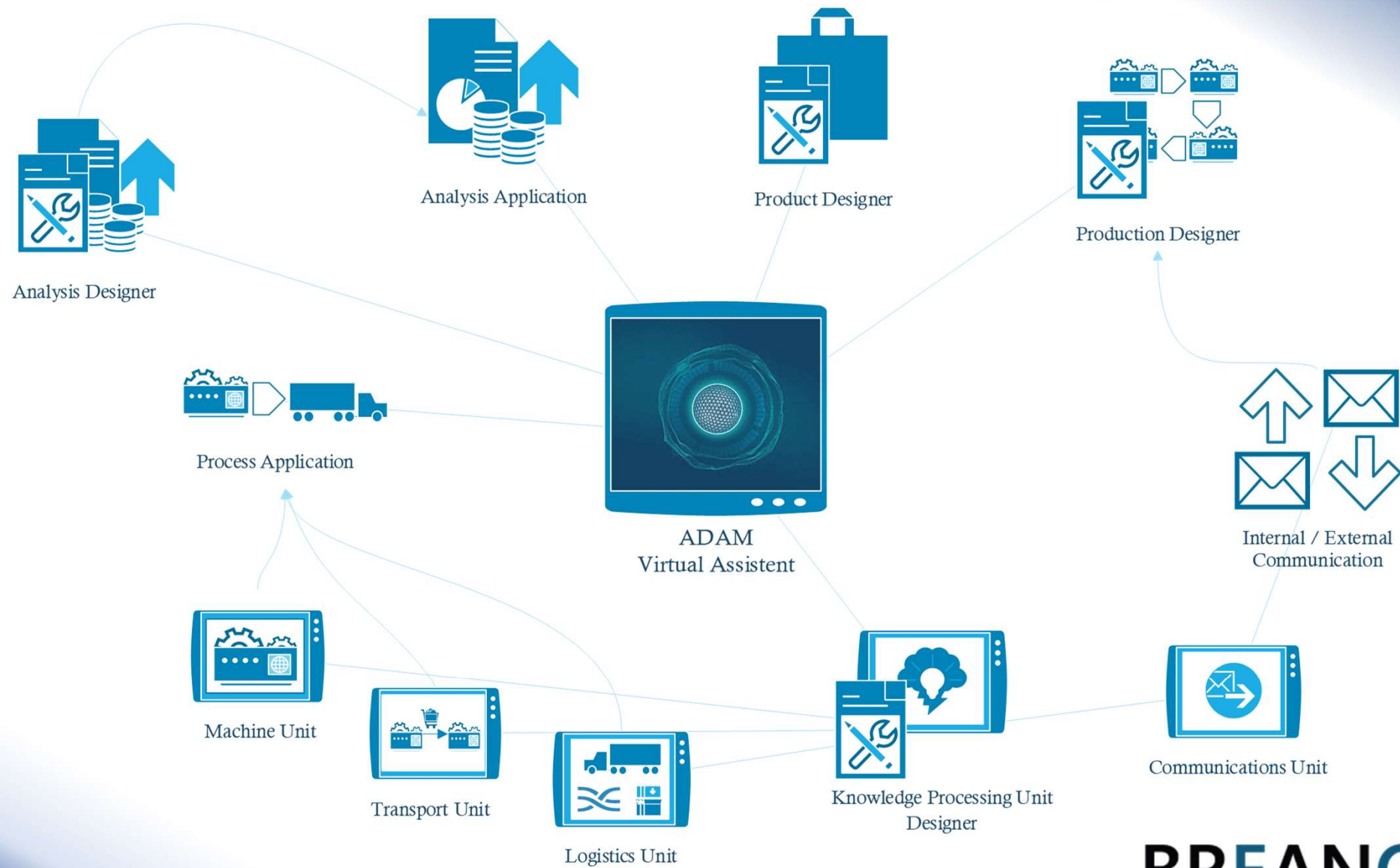
System Messages

Date	Source	Type	Message
24/07/2018	08:25:30	Info	Manufacturing Order MO20181208 is Finished
24/07/2018	08:25:05	Error	Manufacturing Order MO20181206 is Conflicted

Manufacturing Order Status

Manufacturing Order	Drawing Number	Actual Pieces	NOK Pieces	Required Pieces	Status	Start	Finish
MO20181203	AB1483	10	0	10	Created	Start	Finish
MO20181204	GG45245	0	0	10	Enqueued	Start	Finish
MO20181205	TP8564	0	0	45	Pending	Start	Finish
MO20181206	687798	0	0	5	Conflicted	Start	Finish
MO20181207	HPHHP	3	0	55	Started	Start	Finish





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Software for Industry

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