



We are  
on our way  
to a brighter  
tomorrow



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# Over Batenburg Techniek





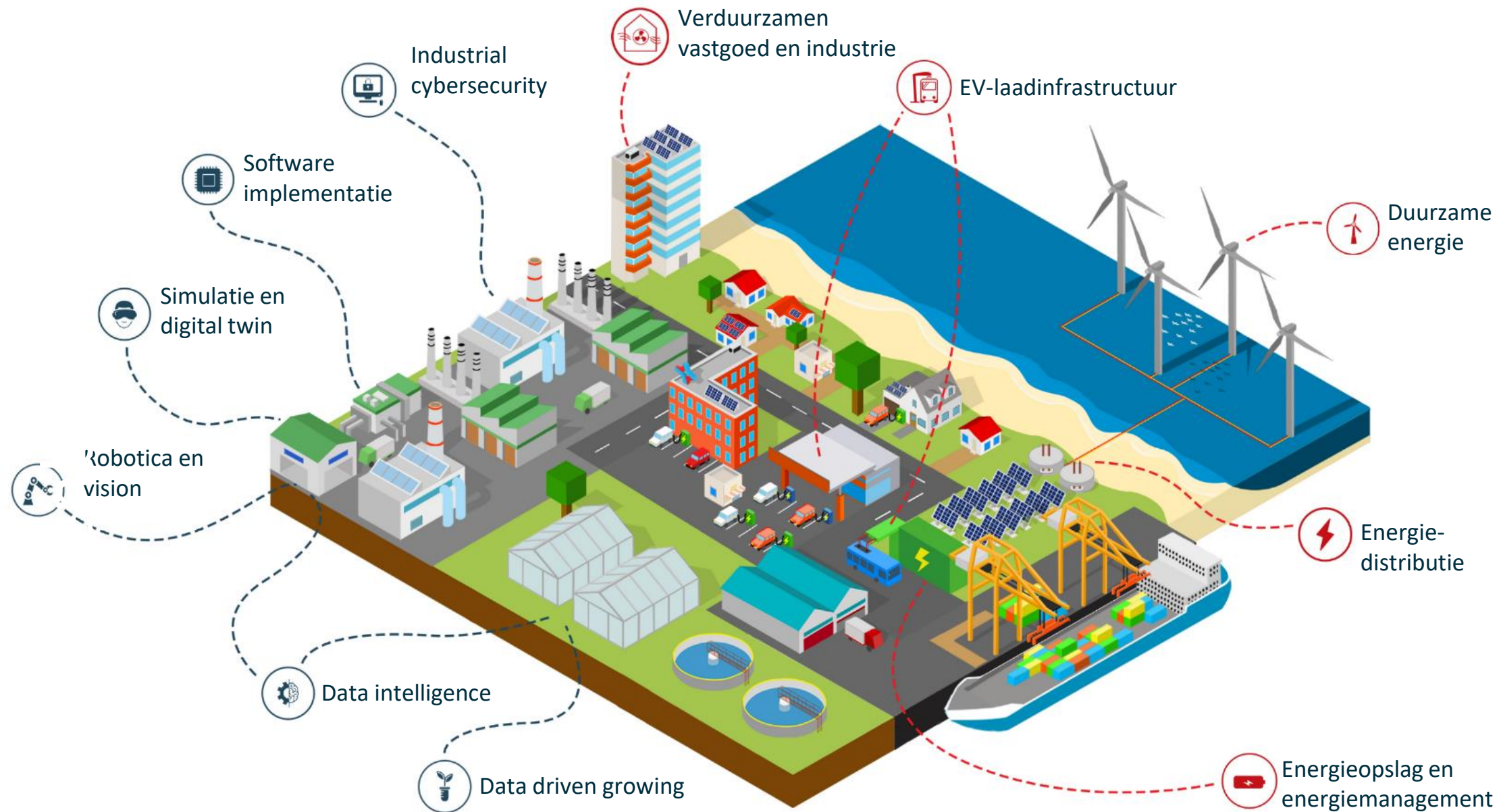
Van elektrisch  
licht voor  
ondernemers



# Tot slimme industriële automatisering



# Smarter focus, brighter tomorrow



# Dit doen we samen



1.300 medewerkers



19 bedrijven



5 divisies



## 5 Divisies



### Industrial Automation

- Ontwerpen en implementeren van industriële automatisering (process automation, factory automation, process information)
- Installeren en onderhouden van industriële installaties en machines



### Horticulture

- Ontwerpen van modulaire software en hardware die telers in staat stelt om duurzaam te telen en oogstopbrengsten te optimaliseren
- Data Driven Growing



### Energietechniek

- Ontwerpen, leveren en installeren van energietechnieksystemen en componenten
- Innovatie in de techniek van energietechniek



### Installatietechniek

- Ontwerpen, installeren en onderhouden van installaties in utiliteit, industrie, energietechniek (bijvoorbeeld zonneparken, laadinfra) en beveiliging
- Oplossingen in duurzaamheid



### Maakindustrie

- Ontwerpen, engineren en assembleren van industriële componenten
- Ondersteunen van verdere digitalisering met embedded systemen, connectivity/IoT, en Human Machine Interfaces (HMI)

# Stamboom



19 June, 2024

# Klanten

Food & Beverage Horticulture	Chemical industry	Oil & Gas	Pharma	Machine building	Water & Infrastruct ure	Marine & Offshore
         	         	     	     	        	        	        

# Klant & Proces



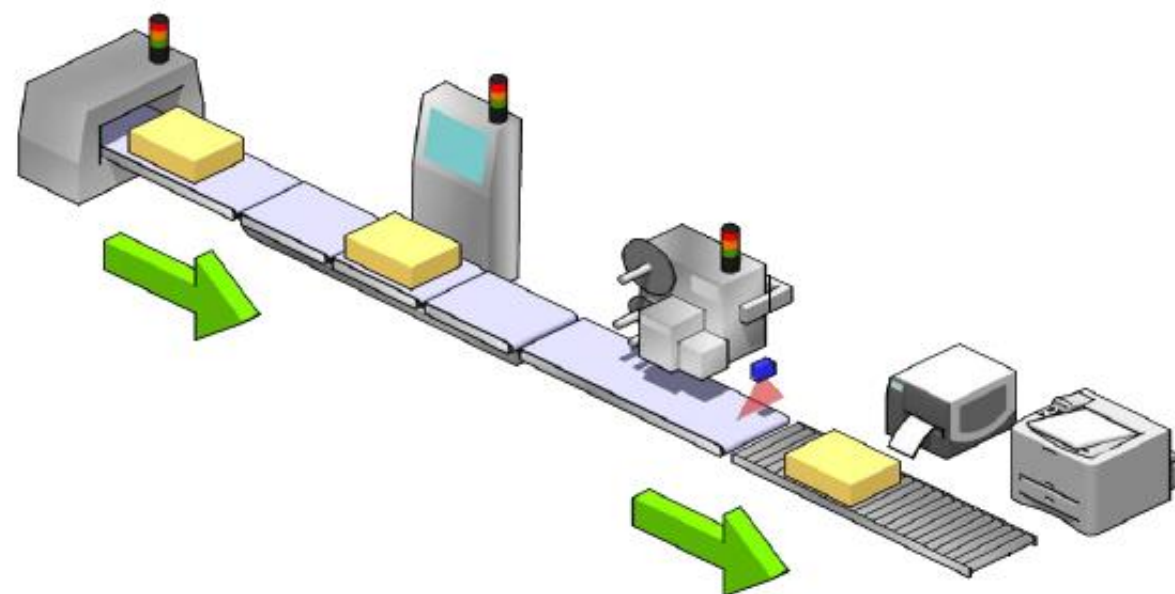
# Friesland Campina



## Doelen

- Standaardisatie
- Uniformiteit
- Onderhoudbaarheid
- Meer configureren dan programmeren

# Kaas verpakken / Etiketteren

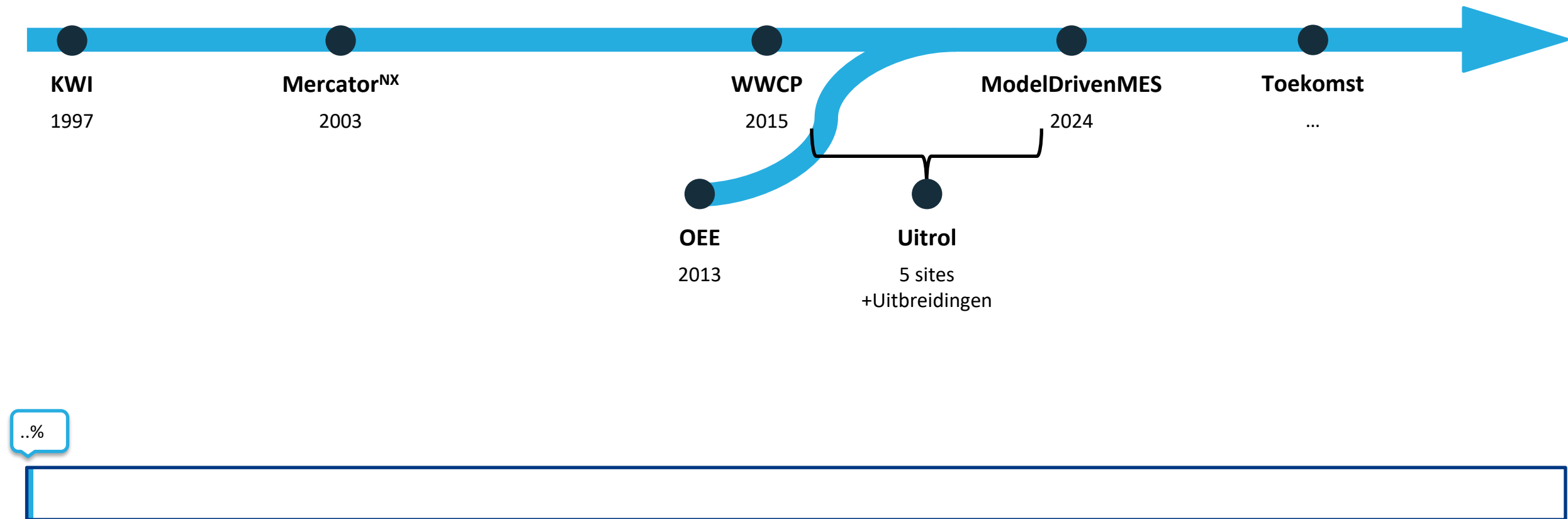


# Reis door de tijd



# Timeline

## Evolutie van maatwerk

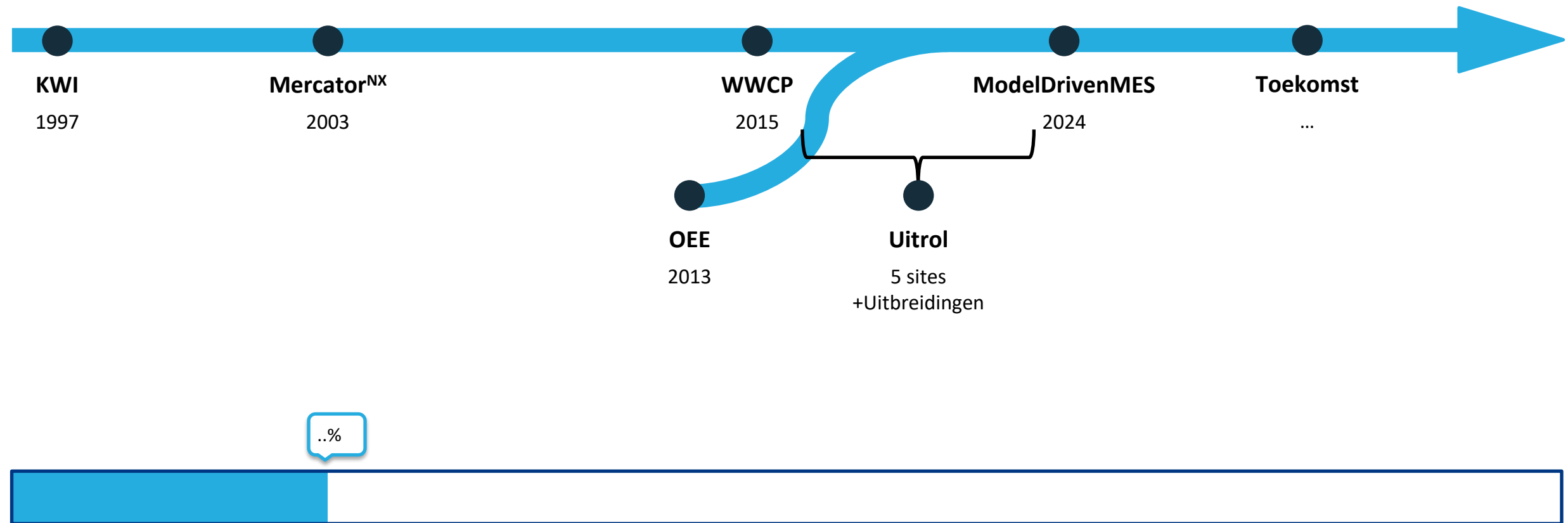




Mercator<sup>NX</sup>



# Timeline



# KWI / Mercator<sup>NX</sup>

MercatorNX - Lijn 1

Bestand Gebruiker Extra Help

Verkenner Codesoft Rekenmachine

**datell**  
industriële informatisering

Lijnstatus

Orders

Historie Orders

> LijnStatus

Bestemd voor: Voorraad Verpakkingsorder: 54654 Charge uit: 654  
 Land: Nederland Productie datum: 24-4-2015 Hoeveelheid: 100002 stuks  
 Klantorder: 5645 - 55 THT Datum: 12-5-2016 Rest: **24491 stuks**  
 Artikel: testartikel Verpakkingsdatum: 24-4-2015

	Kaas	Totaal	Pallet	Totaal
Volgnummer:	75551	40	75511	1349
Netto:		1208129,57		1207756,23
Tara:				
Bruto:		1208129,57		1207756,23
Merken:				
gemiddeld		15,999 kg		
ondergrens		14,000 kg		
bovengrens		18,000 kg		

Opmerking: **duurtest**

Hulpstoffen

999990	stuksniveau voor weger
999991	stuksniveau na weger
999992	doosniveau voor weger
999993	doosniveau na weger
999995	palletniveau na weger

Orders Meldingen Randapparatuur

KlantOrder	Verpakkings Order	Charge uit	Klant	Artikel
5645 - 55	54654	654	1 Voorraad	123123 testartikel
888 - 888	888	123456	11111 Demo Klant	
123 - 123	123	123	11111 Demo Klant	
7863246 - 04	7863246-04	44556677	00000 MTS	
45 - 45	65456	789132	VOORRAAD voorraad	
710507 - 01	710507-01	71050701	00000 MTS	

MercatorNX - Lijn 1

Bestand Gebruiker Extra Help

Verkenner Codesoft Rekenmachine

**datell**  
industriële informatisering

Lijnstatus

Orders

Historie Orders

> Layout preview

Sluiten

Kwaliteit  
schaal  
1:2,8  
(gebaseerd op  
bitmap  
resolutie van  
200 dpi)

Instellingen  
200 dpi  
 kleur  
Toepassen

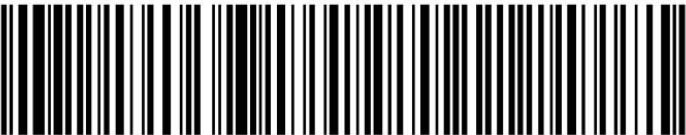
48% fat in dry matter  
48% vet in droge stof

Keep refrigerated: 4-7°C Gekoeld bewaren: 4-7°C  
 Friesland Foods Cheese, P.O. Box 4, 8470 AA Wolvega, Holland

boxnumber: 1  
 kistnummer: 1  
 production date: 24-04-2015  
 productie datum: 24-04-2015

article: 12312 net weight: 12,69 kg  
 artikel: 12312 netto gewicht: 12,69 kg

Bestemd voor de kaasverwerkende industrie  
 K201959



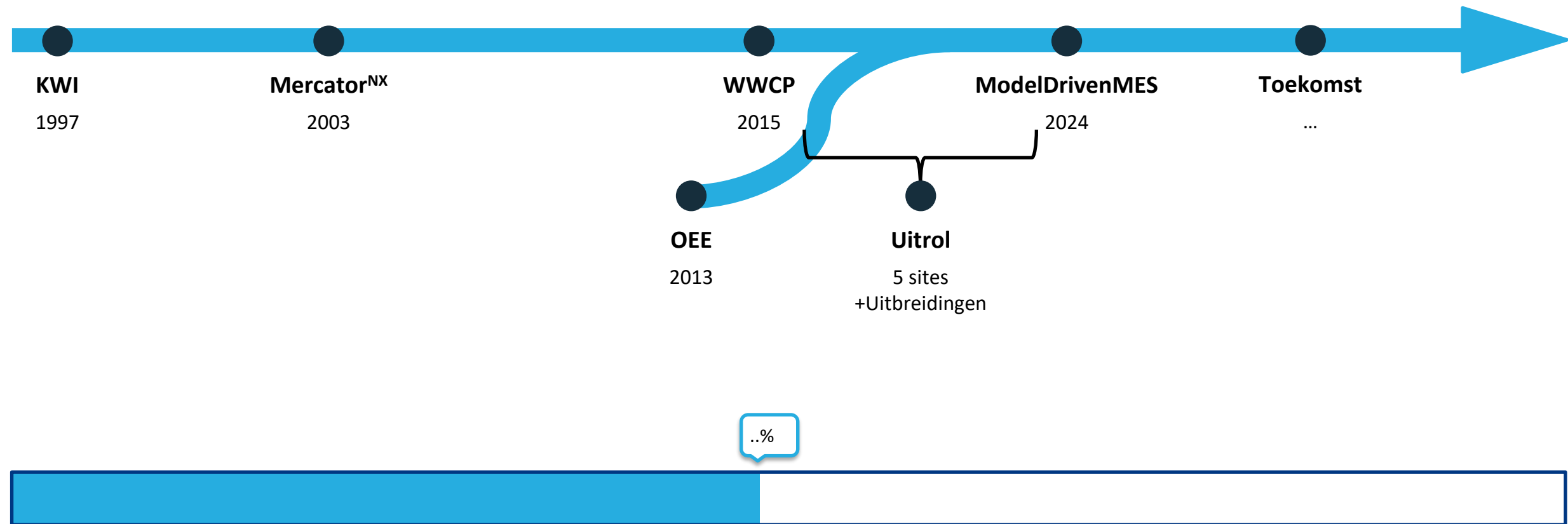
(01)12345678901234(15)130726(3102)001234

WWCP

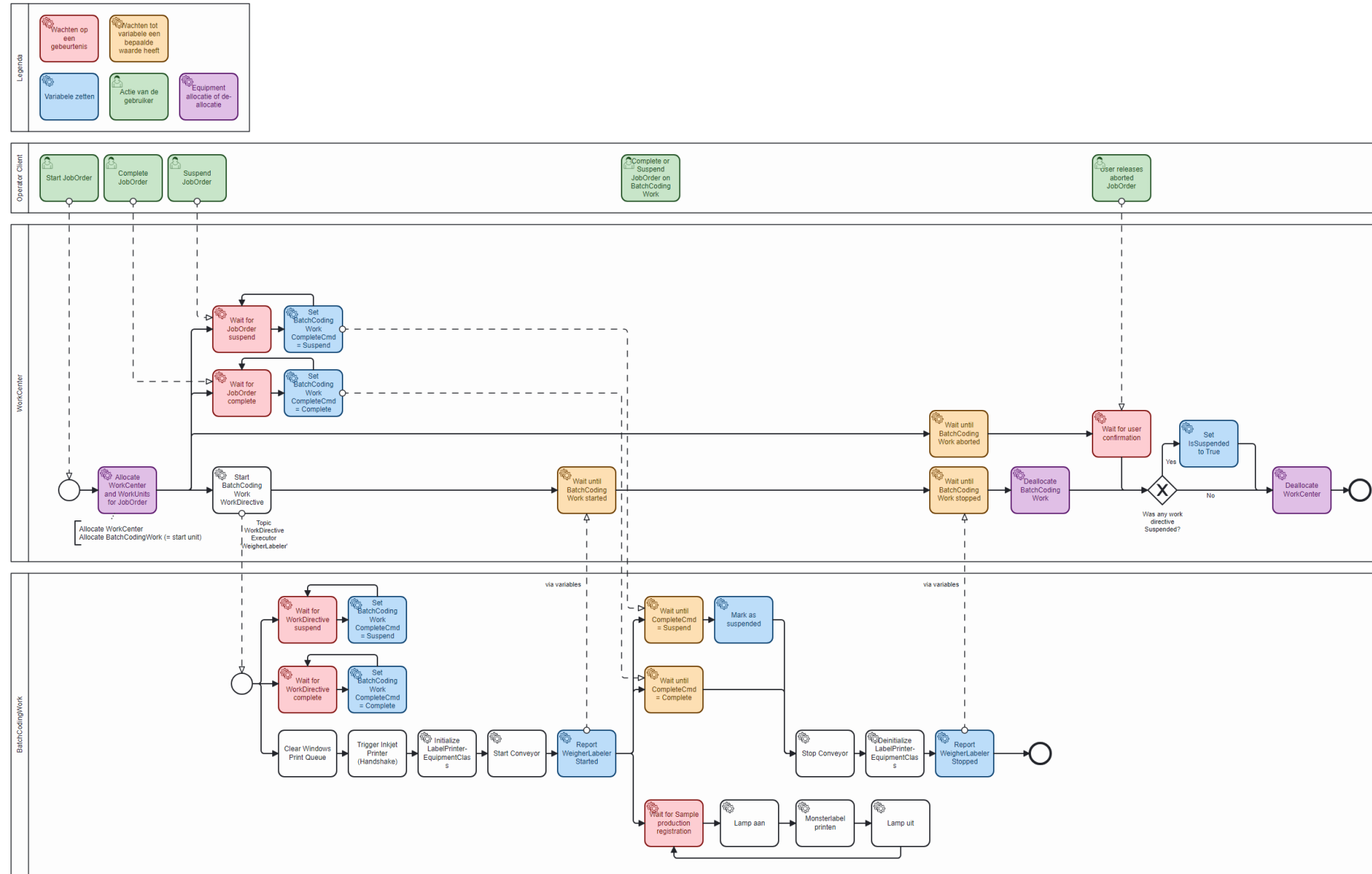
Wonderware Coding Packaging



# Timeline



# Software design



# User interface design

**Lijn status**

**K order**

Actief

Batch **83004543**

Aflever moment **18-05-2016 04:00**

Artikel

Hoeveelheid **3900**

Resterend **1950**

Voortgang

Resterende tijd **03:15**

---

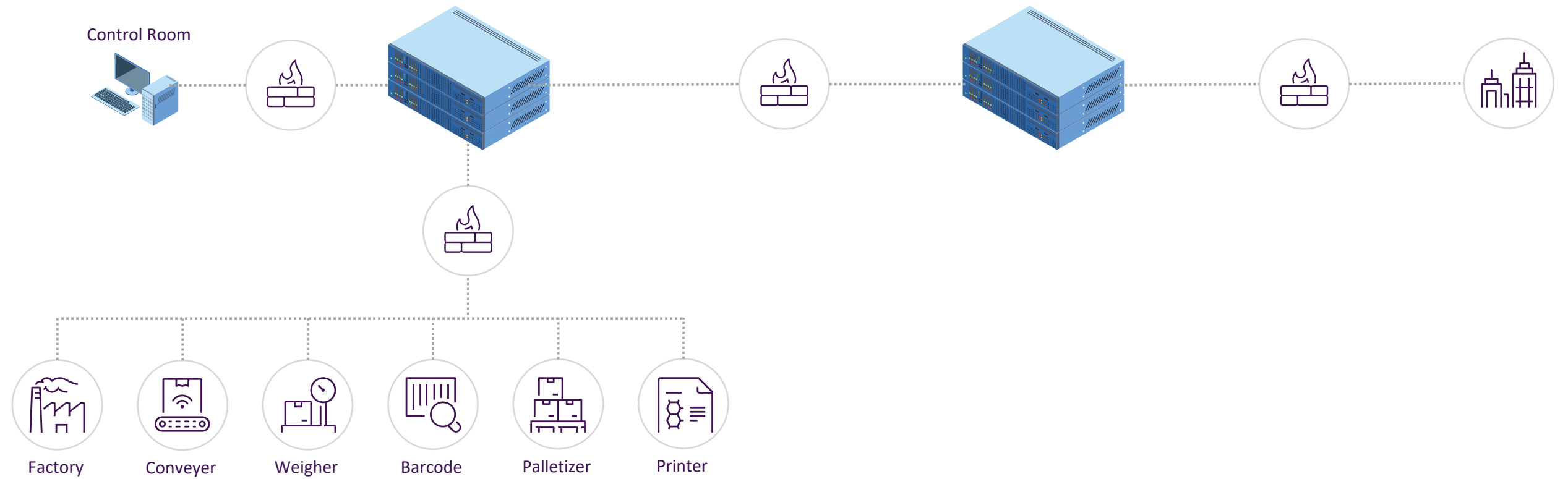
**Ingeplande aflever werkorders**

Aflever moment	SAP order	Order Type	Prio	Aantal	Batch	Product	Lege racks	Exp cel 1	Exp cel 2	Exp cel 3	Status
2017-01-01 12:00	K order	MTS	0	3900	2850374	1153	33		5,6		Actief
2017-01-01 12:00	82984220	MTO	0	2000	2850375	1140	25	5,6			Vrijgegeven
2017-01-01 12:00	82984220	MTO	1	-	2850375	1140	-	-			Vrijgegeven

---

**Aflever orders**

Aflever moment	SAP order	Order Type	Prio	Aantal	Rack Type	Batch	Product	Product naam
2017-01-02 12:00	82984005	MTS	0	3000	KK	2854018		
2017-01-03 12:00	82984110	MTO	0	2000	KVPC	2854200		
2017-01-03 12:00	82984110	MTO	1	-	-	2854201		
2017-01-03 12:00	82984110	MTO	2	-	-	2854202		

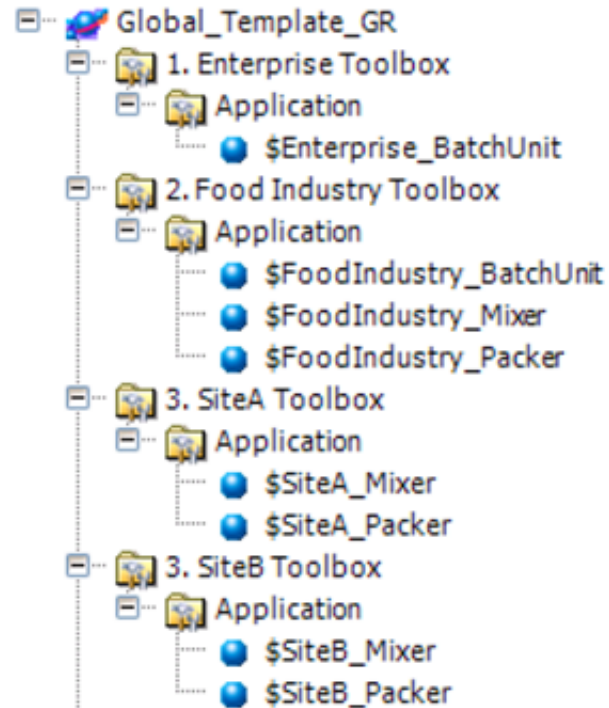




# Wonderware

## Global template with scope derived templates (Template Toolbox):

### Template Toolbox

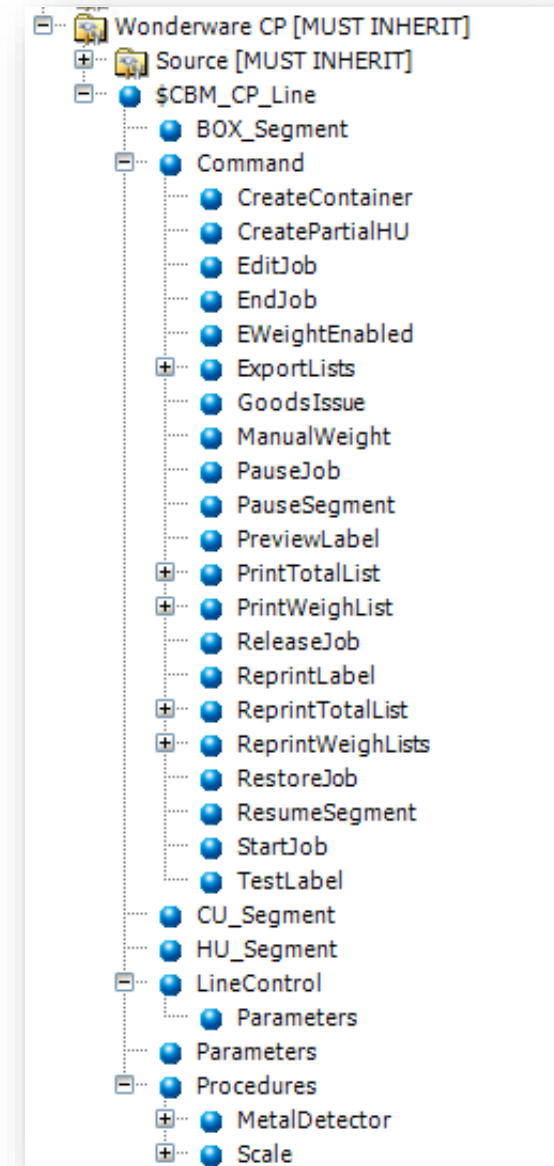


← Level 1: Enterprise scope

← Level 2: Industry scope

← Level 3: Site A scope

← Level 3: Site B scope



# WWCP – Order scherm

Lijnstatus | Orders | Hist. orders | Nieuw | Preview Wouter Dijkstra | Log in | Log uit | Codes | Help

---

**Folie lijn status**  
 888 - 888 Bestemd voor: **Demo Klant** | Verpakkingsorder: **888** | Charge uit: **123456**  
 Land: **Nederland** | Productie datum: **03-02-2016** | Hoeveelheid: **120**  
 Klantorder: **888 - 888** | THT datum: **31-05-2016** | Resterend: **32**  
 Artikel: **Test Artikel Demo** | Verpakkingsdatum: **03-02-2016** | Voortgang:

**CU**

	Stuks	Afgekeurd	Totaal
Aantal:	40	5	35
Netto:	0.0000		524.71
Tarra:	0.0000		0.0000
Bruto:	0.0000		524.71
Gemiddeld:	14.99		
Ondergrens:	13.00		
Bovengrens:	17.00		

**Doos**

	Stuks	Totaal
Volnummer:	0	
Netto:	0.0000	0.0000
Tarra:	0.0000	
Bruto:	0.0000	0.0000
Merken:		

**HU**

	Stuks	Totaal
Aantal:	2	
Netto:	0.0000	80.16
Tarra:	0.0000	0.0000
Bruto:	0.0000	80.16

**Orders**

Klantorder	Verpakkingsorder	Batch	Klant	Artikel code	Hoeveelheid	Eenh.	Verwerkt	Rest aantal	Netto	Gereed	Status
888 - 888	888		Demo Klant	Test Artikel Demo	120	Stuks	0	32	524.71		Open

Verpakken ⚠ ⚠ ⚠

**Herafdruk etiketten** X

Printer:

Label:

Volnummer:

Afdrukken:

Bevestig | Reset | Claxon

# WWCP – Wegingen beheer

Lijnstatus Orders Hist. orders Nieuw Preview Wouter Dijkstra Log in Log uit Codes Help

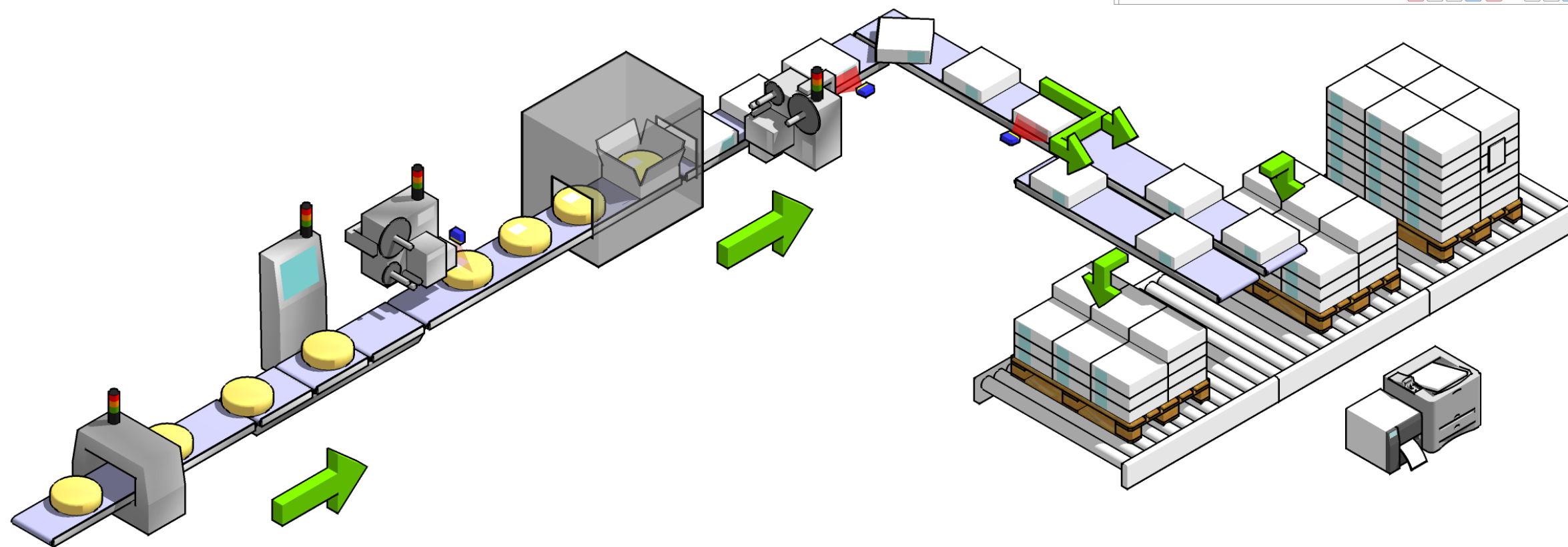
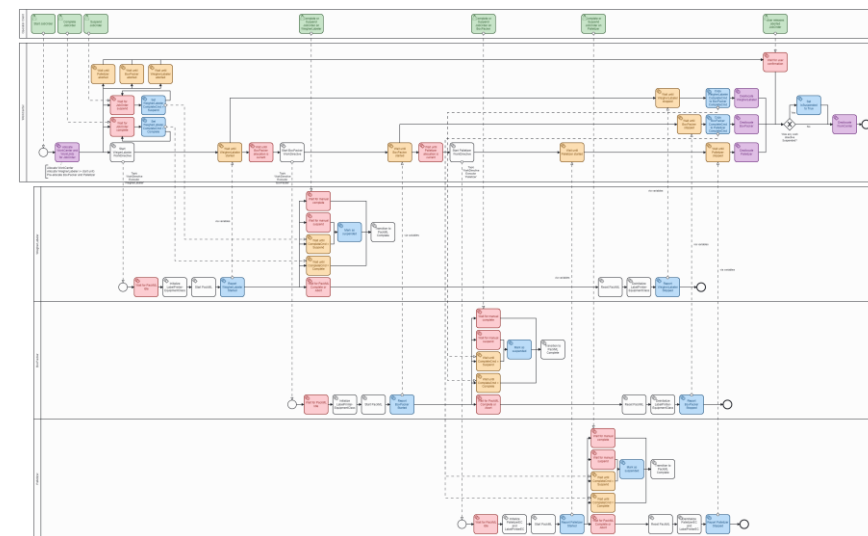
**Wegingen**  
 CU  HU

Verpakken

Time Stamp	Volgnummer	Netto Gewicht	Bruto Gewicht	Status	HU
2016-11-16 04:10	216	0.000	0.000	Verwijderd	
2016-11-16 04:10	215	0.000	0.000	Verwijderd	
2016-11-16 04:09	214	0.000	0.000	Verwijderd	
2016-11-16 04:09	213	14.810	14.810	Goedgekeurd	
2016-11-16 04:08	212	14.850	14.850	Goedgekeurd	
2016-11-16 04:08	211	14.700	14.700	Goedgekeurd	
2016-11-16 04:08	210	14.770	14.770	Goedgekeurd	
2016-11-16 04:08	209	14.730	14.730	Goedgekeurd	
2016-11-16 04:08	208	14.700	14.700	Goedgekeurd	
2016-11-16 04:08	207	14.740	14.740	Goedgekeurd	
2016-11-16 04:08	206	14.710	14.710	Goedgekeurd	
2016-11-16 04:08	205	14.850	14.850	Goedgekeurd	
2016-11-16 04:08	204	14.800	14.800	Goedgekeurd	
2016-11-16 04:08	203	14.730	14.730	Goedgekeurd	
2016-11-16 04:08	202	14.740	14.740	Goedgekeurd	
2016-11-16 04:08	201	14.760	14.760	Goedgekeurd	
2016-11-16 04:07	200	14.680	14.680	Goedgekeurd	
2016-11-16 04:07	199	14.720	14.720	Goedgekeurd	
2016-11-16 04:07	198	14.760	14.760	Goedgekeurd	
2016-11-16 04:07	197	14.800	14.800	Goedgekeurd	
2016-11-16 04:07	196	14.820	14.820	Goedgekeurd	
2016-11-16 04:07	195	14.780	14.780	Goedgekeurd	
2016-11-16 04:05	194	0.000	0.000	Verwijderd	
2016-11-16 04:05	193	14.770	14.770	Goedgekeurd	
2016-11-16 04:05	192	14.840	14.840	Goedgekeurd	
2016-11-16 04:05	191	14.790	14.790	Goedgekeurd	
2016-11-16 04:05	190	14.820	14.820	Goedgekeurd	
2016-11-16 04:05	189	14.820	14.820	Goedgekeurd	
2016-11-16 04:05	188	14.760	14.760	Goedgekeurd	
2016-11-16 04:05	187	14.910	14.910	Goedgekeurd	
2016-11-16 04:05	186	14.780	14.780	Goedgekeurd	
2016-11-16 04:04	185	14.850	14.850	Goedgekeurd	
2016-11-16 04:04	184	14.690	14.690	Goedgekeurd	
2016-11-16 04:04	183	14.840	14.840	Goedgekeurd	
2016-11-16 04:04	182	14.790	14.790	Goedgekeurd	
2016-11-16 04:04	181	14.820	14.820	Goedgekeurd	
2016-11-16 04:04	180	14.830	14.830	Goedgekeurd	
2016-11-16 04:04	179	14.800	14.800	Goedgekeurd	
2016-11-16 04:04	178	14.780	14.780	Goedgekeurd	
2016-11-16 04:04	177	14.670	14.670	Goedgekeurd	
2016-11-16 04:04	176	14.800	14.800	Goedgekeurd	
2016-11-16 04:03	175	14.820	14.820	Goedgekeurd	
2016-11-16 04:03	174	14.650	14.650	Goedgekeurd	

Bevestig Reset Claxon

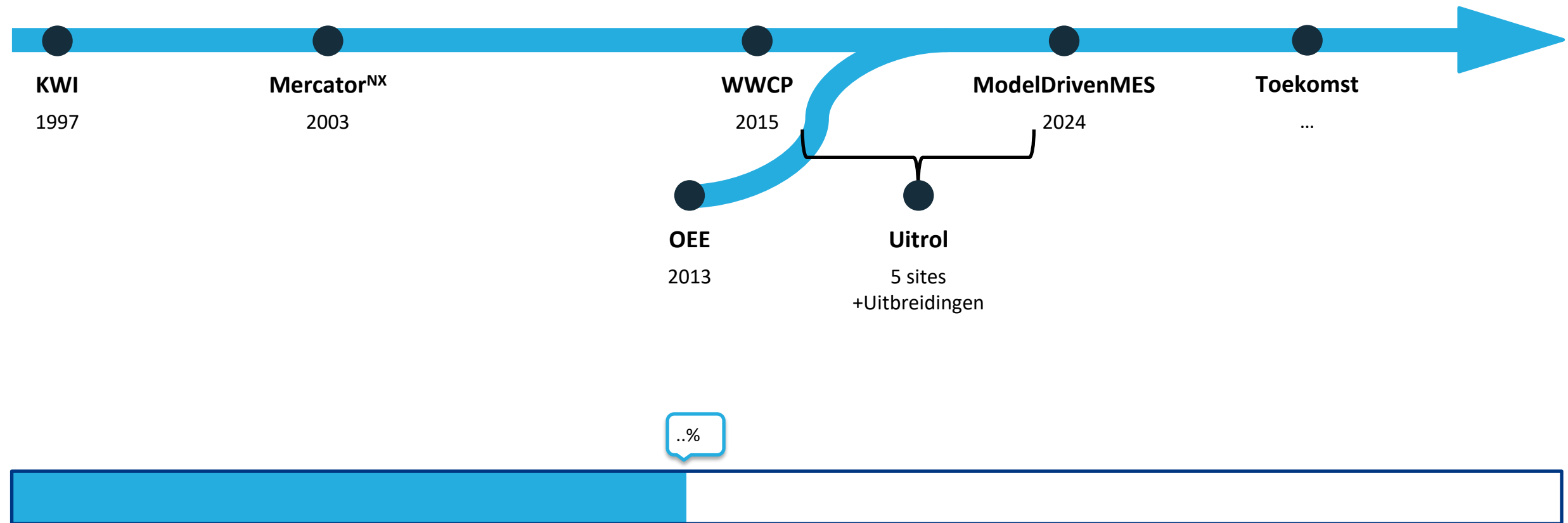
# Complexere lijnen



# Uitbreidingen

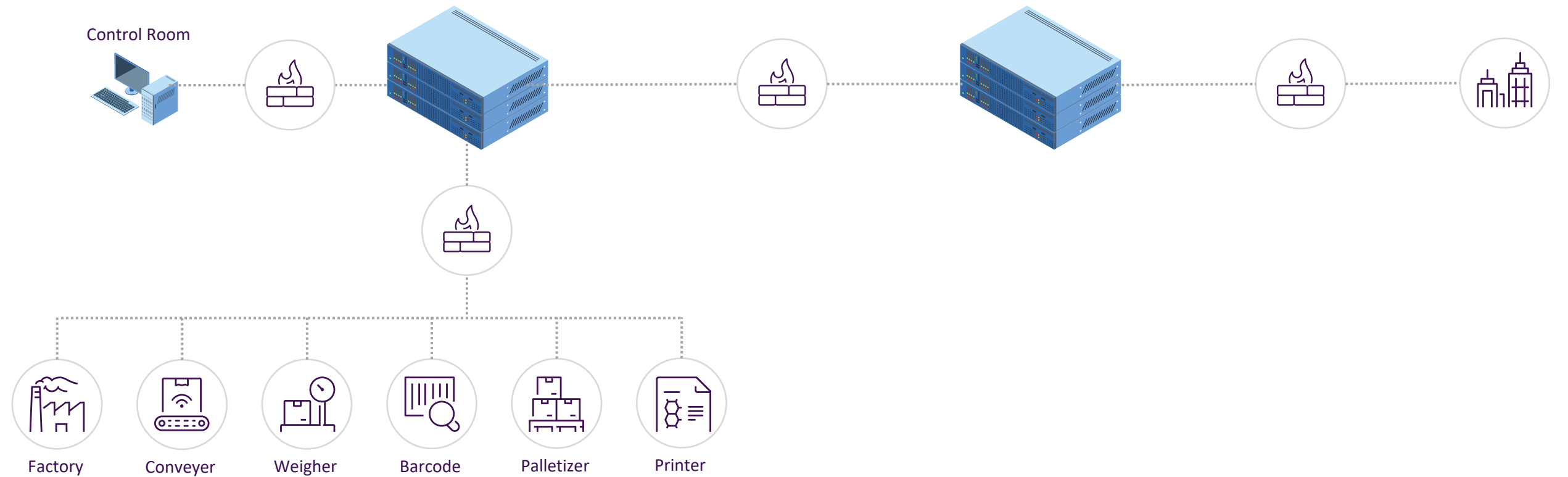
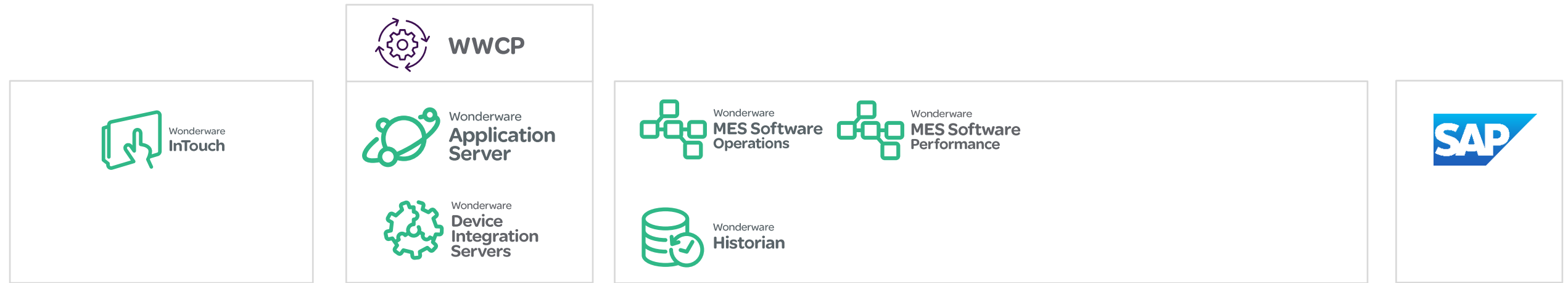


# Timeline



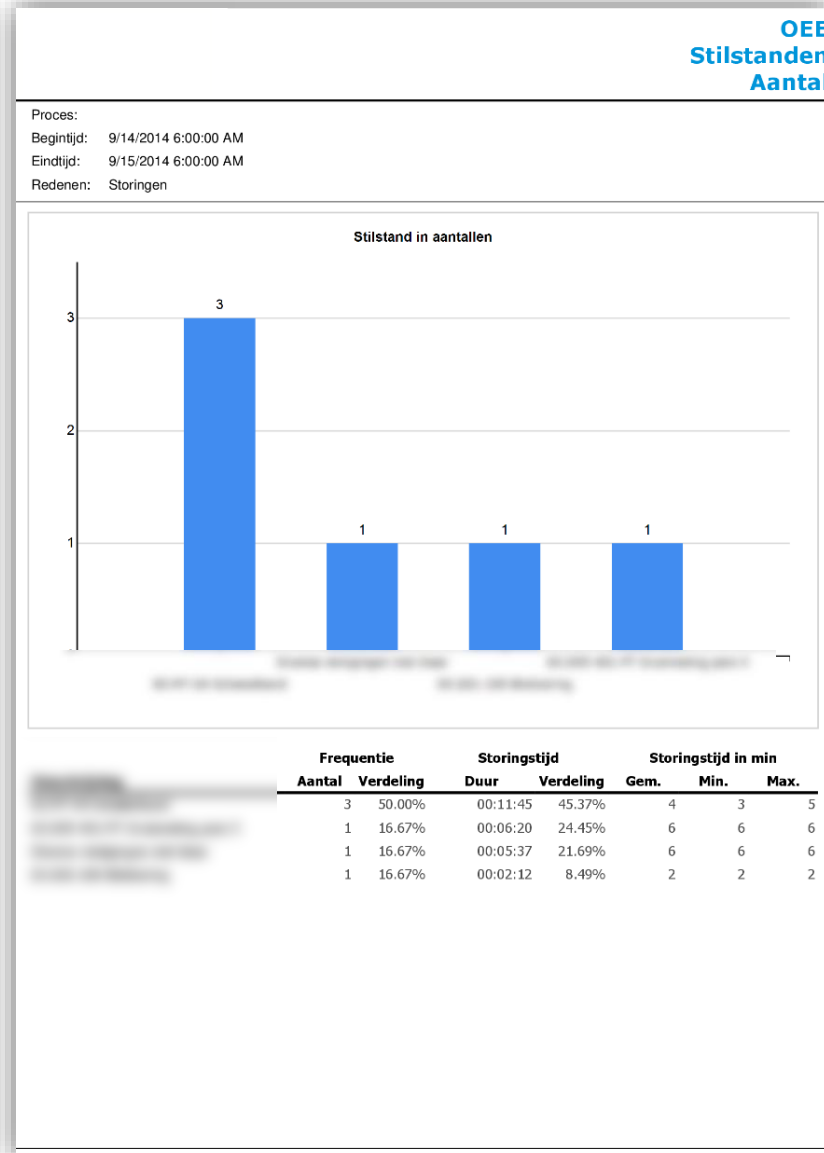
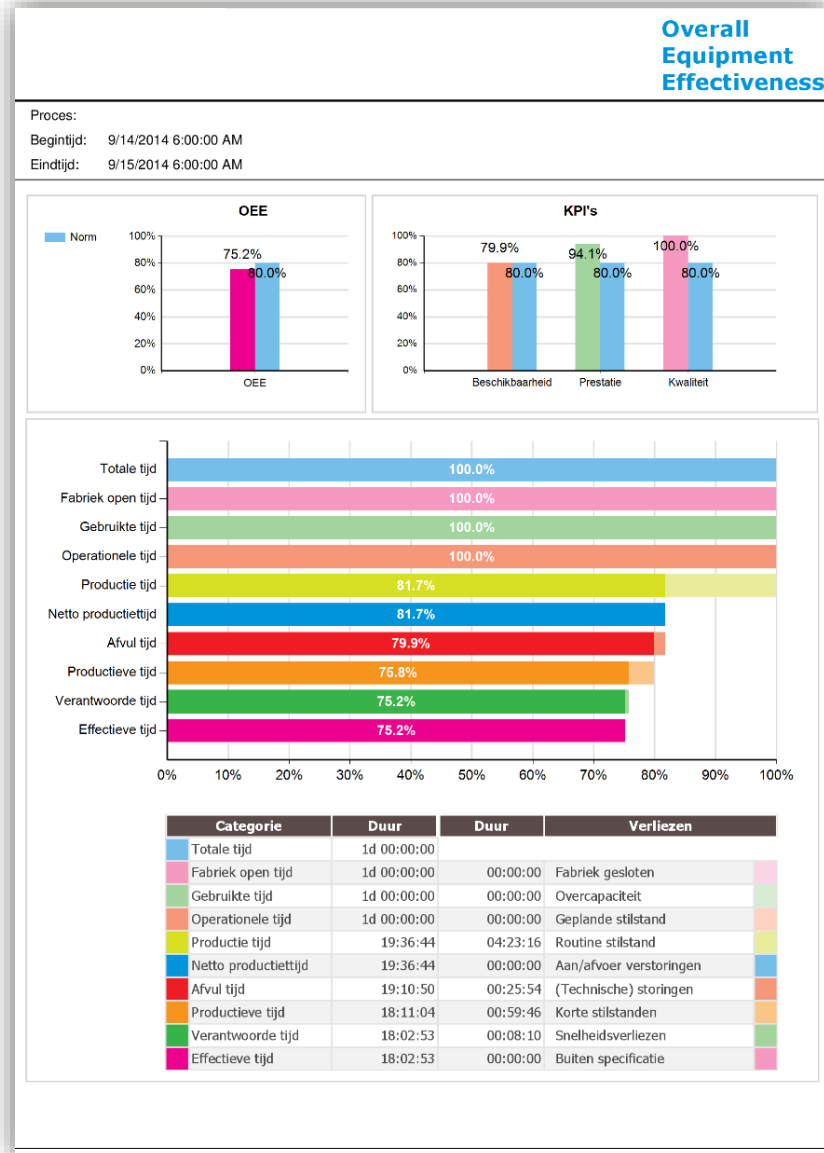
OEE

---





# Overall Equipment Effectiveness

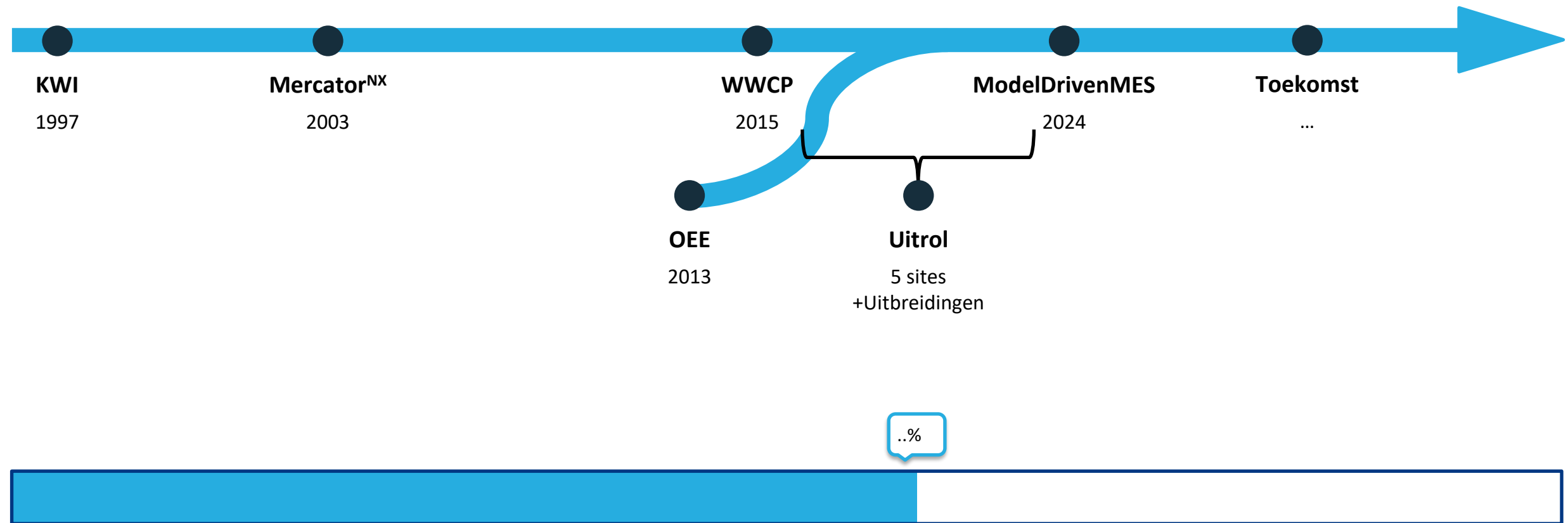


### OEE Stilstanden Detail

Proces:  
 Begintijd: 9/14/2014 6:00:00 AM  
 Eindtijd: 9/15/2014 6:00:00 AM  
 Redenen: Storingen

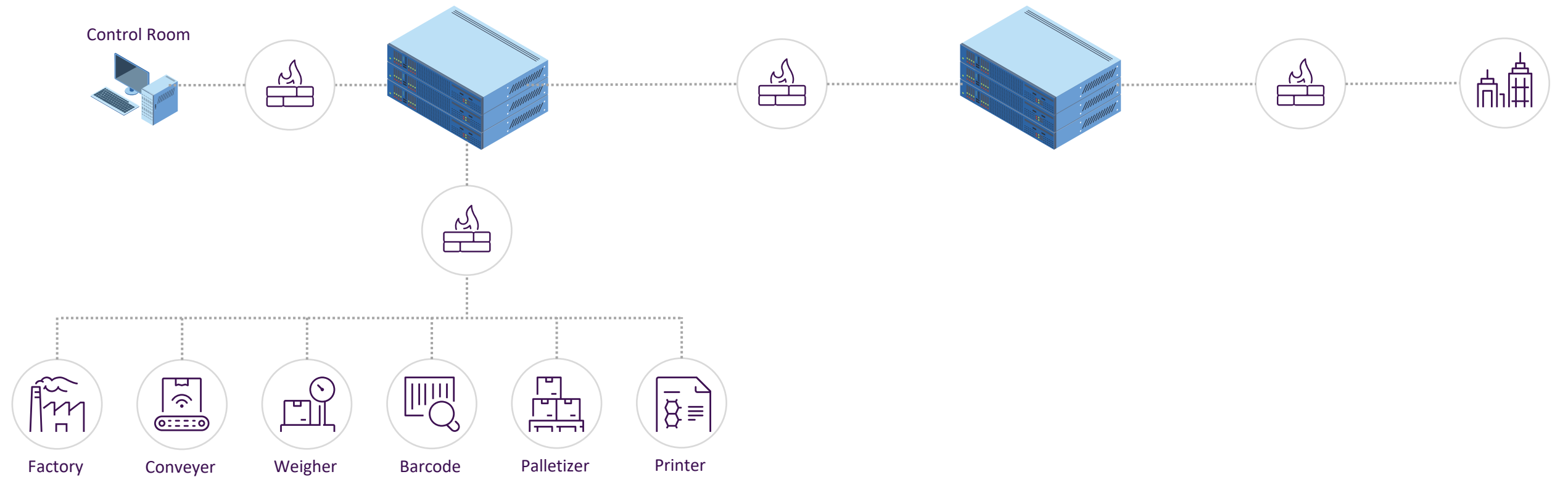
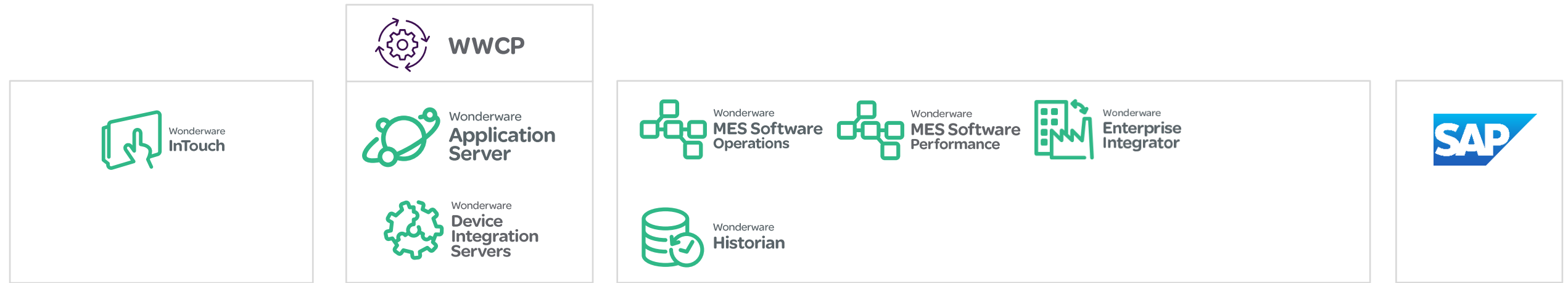
Oorzaak	Van	Tot	Duur	Commentaar
Geplande stilstand	00:00:00	00:00:00	00:05:19	2 vaten te dicht op elkaar T-04
Routine stilstand	00:00:00	00:00:00	00:03:00	Vaten te dicht op elkaar
(Technische) storingen	00:00:00	00:00:00	00:03:26	vaten te dicht op elkaar
Korte stilstanden	00:00:00	00:00:00	00:06:20	D 05 persdruki te hoog
Geplande stilstand	00:00:00	00:00:00	00:05:37	T06 niet klaar
Routine stilstand	00:00:00	00:00:00	00:02:12	

# Timeline




# ERP koppeling

---



# Global Solution Set - SAP


Enterprise Integrator
SRPAPP305780\Administrator  
Change User

Configuration
Message Location Details

Refresh
Create New
Delete
Save
Listing

**Location**

★ Location Id: B2MMLMsgArchiveLoc

★ Location Type: FOLDER

Direction: OUT

★ Processing Priority: 0

**Context**

URI: C:\BEENEN\DEV\WEI\ARCHIVE-SERVER\application

Label Format: \*.XML

PreSend Assembly: PreSend Assembly

File Options:  Create Unique File,  Overwrite,  Append

2020-01-06 10:27:34

**Grouping**

★ Message Service: WW Message Service

★ Message Category: B2MML Messages O

**Configuration**

Enterprise Integrator

Configuration

Message Log

Insert Date/Time: 5/16/2024 2:03 PM

To: 5/30/2024 2:03 PM

Message #:

Status: <All>

Message Type: <All>

Location:

Direction: <All>

To:

Summary:

Category: <All>

Content:

Group: <All>

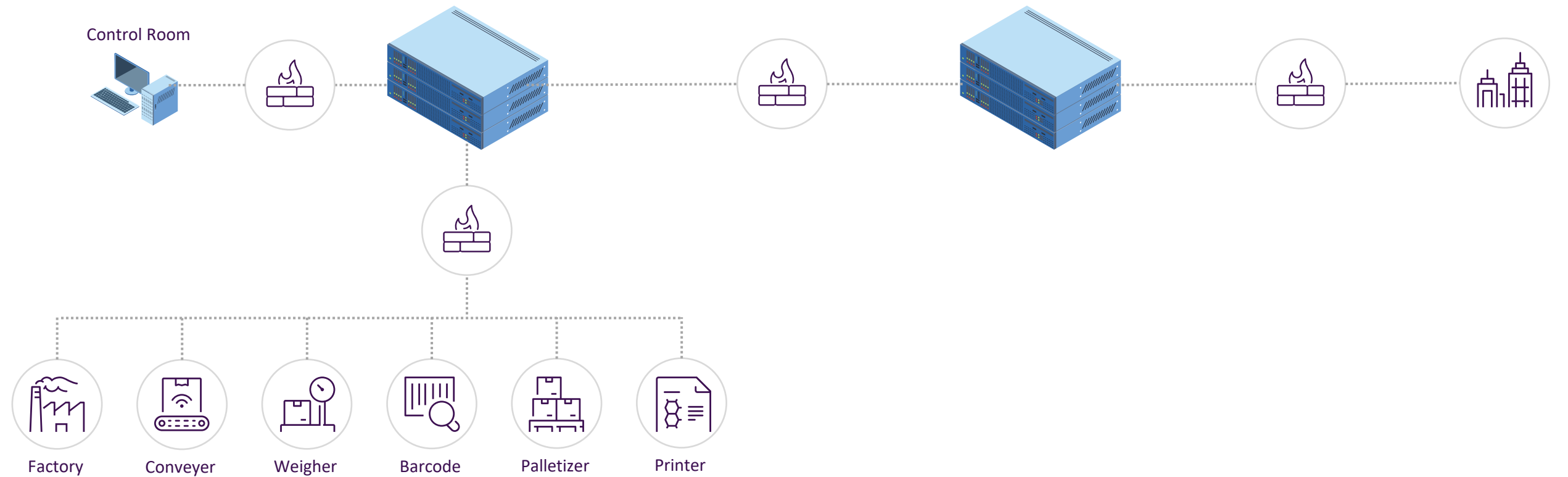
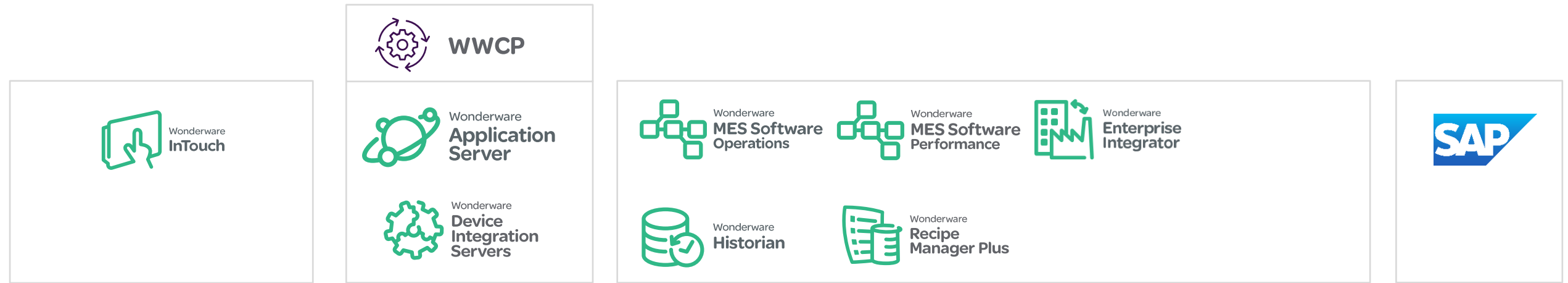
Refresh Reset Archive ReProcess

#	Location Id	Insert Date/Time	Group	Dir..	Src #	Source Location Id	Message Type	Summary	Status	Status Message
6456121	B2MMLMsgInMatProcess	2024-05-23T14:00:40.33	B2MML-IN	OUT	6456119	B2MMLMsgInMatLoc	B2MMLMsgType		Processed	
6456120	B2MMLMsgArchiveLoc	2024-05-23T14:00:40.297	Archive-IN	OUT	6456119	B2MMLMsgInMatLoc	B2MMLMsgType		Processed	
6456119	B2MMLMsgInMatLoc	2024-05-23T14:00:40.203	B2MML-IN	IN			B2MMLMsgType		Processed	
6456118	B2MMLMsgOutLoc	2024-05-23T14:00:32.187	B2MML-OUT	OUT	6456117	B2MMLMsgOutProcess	B2MMLMsgType		Processed	
6456117	B2MMLMsgOutProcess	2024-05-23T14:00:32.17	B2MML-OUT	IN			B2MMLMsgType		Processed	

25 items per page

# Recipe Manager

---



# Recipe manager

AVEVA™ Recipe Management

☰ Formulas +  
Add

**BLUE Slurry**  
Approved  
Slurry  
17 Parameters

**Light GREEN Slurry**  
Approved  
Slurry  
17 Parameters

**Standard Bags | Low La...**  
Approved  
BearBags  
6 Parameters

**Christmas Bags | Top C...**  
Approved  
BearBags  
6 Parameters

**Light YELLOW Slurry**  
Approved  
Slurry  
17 Parameters

**TINY Bags | default label**  
Approved  
BearBags  
6 Parameters

**GREEN Slurry**  
Approved  
Slurry  
17 Parameters

**ORANGE Slurry**  
Approved  
Slurry  
17 Parameters

**YELLOW Slurry**  
Approved  
Slurry  
17 Parameters

**Light BLUE Slurry**  
Approved  
Slurry  
17 Parameters

**RED Slurry**  
Approved  
Slurry  
17 Parameters

11 formulas shown

AVEVA™ Recipe Management

☰ Formula Templates Version Differen... Check Out Set State Validate Duplicate Keywords Print to PDF

← **BearBags** Version 3  
Formula Template for the Packers

[Parameters](#)

Export

Ingredients General Temperatures Input Output

Parameter	Description	Data Type	Default Value	Min Value	Max Value	Frequently Used	UOM
epHLabelPos	Horizontal Label Position	Horizontal La...	Left			Yes	
epMaintenance		Boolean	False			Yes	
epPackSize		Double	100.0	100.0	5000.0	Yes	
epPackSpeed		Integer	0 %	0 %	100 %	Yes	%
epPackType		Integer	1	1	5	Yes	

6 General parameters shown



# Recipe manager

## AVEVA™ Recipe Management

☰ Audit Trail

Date/Time	Entity Name	Entity Type	Version	Action	Current State	Previous State	User	Notes/Comment
9/1/2021 12:05:59 AM	MicroMix#03	Equipment	4	Undo Check Out	Approved	Draft	AVEVALAB\LabUser	
9/1/2021 12:05:41 AM	MicroMix#03	Equipment	5	Check Out	Draft	Approved	AVEVALAB\LabUser	
9/1/2021 12:05:24 AM	Agitate	Capability	1	Undo Check Out				
9/1/2021 12:05:20 AM	Agitate	Capability	2	Check Out				
9/1/2021 12:03:57 AM	GREENBears	Recipe	5	State Change				
9/1/2021 12:03:35 AM	GREENBears	Recipe	5	Check In				
9/1/2021 12:03:29 AM	GREENBears	Recipe	5	Check Out				
9/1/2021 12:01:31 AM	GREEN Slurry	Formula	3	State Change				
9/1/2021 12:01:03 AM	GREEN Slurry	Formula	3	Check In				
9/1/2021 12:00:40 AM	GREEN Slurry	Formula	3	Check Out				
8/17/2021 12:46:57 AM	GREENBears	Recipe	4	Undo Check Out				
8/17/2021 12:46:49 AM	GREENBears	Recipe	5	Check Out				
8/17/2021 12:46:48 AM	GREENBears	Recipe	4	Check In				
8/17/2021 12:46:44 AM	GREENBears	Recipe	5	Check Out				

## AVEVA Recipe Management

### Formula Template Version Difference Report - Slurry #2 Version Difference Report

Element	Original Value	New Value
^ Formula Template	Slurry #2 v2	Slurry #2 v3
Author	AVEVALAB\LabUser	AVEVALAB\LabUser
^ Formula Parameter Changes		
Formula Parameter (Deleted)	Agitate.cpAgitateSpeed	
Formula Parameter (Deleted)	Discharge.cpEmptyLevel	

#### Version Difference

Compare

To

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# Procedure borging

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# Procedure borging


- ① **Metaal detector controle**
  - Instelbare interval
  - Artikel gestuurd (Recipe Manager)
  - Directe integratie met PLC

---
- ② **Weegschaal procedure**
  - Instelbare interval
  - Directe integratie met PLC
  - Controle met ijk gewicht

---
- ③ **Label controle**
  - Voor starten van een order
  - Controleren van layout
  - Controleren van data



# Procedure borging

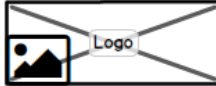


WWCP  
Procedure  
Metaal detector

Lijn: GVP Lijn 1  
 Begintijd: 2017-01-01  
 Eindtijd: 2017-01-05 Locatie: Amersfoort

Datum/tijd	order	Batch	Artikel	Procedure Start	Recept programma	Programma	Test 1	Test 2	Test 3
2017-01-01 13:00	321337	825632	1150	2017-01-01 13:05	1	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2017-01-02 13:00	321338	825633	1150	2017-01-02 13:05	1	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				2017-01-02 13:15	1	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				2017-01-02 13:25	1	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2017-01-04 13:00	321339	825634	1150	2017-01-01 13:05	1	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

2017-01-09
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WWCP  
Procedure  
Weegschaal

Lijn: GVP Lijn 1  
 Begintijd: 2017-01-01  
 Eindtijd: 2017-01-05 Locatie: Amersfoort

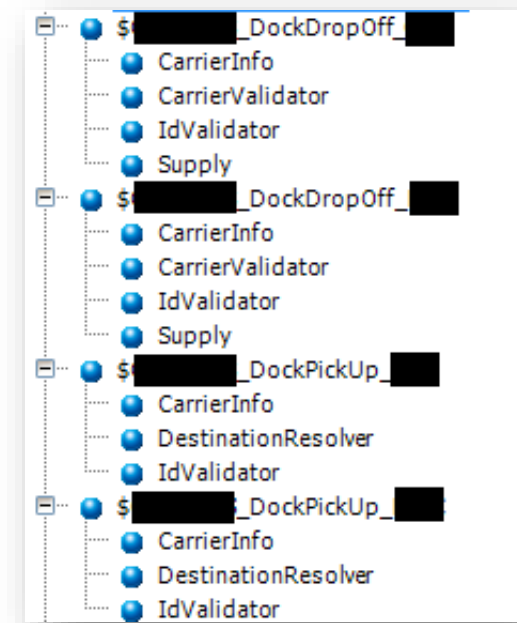
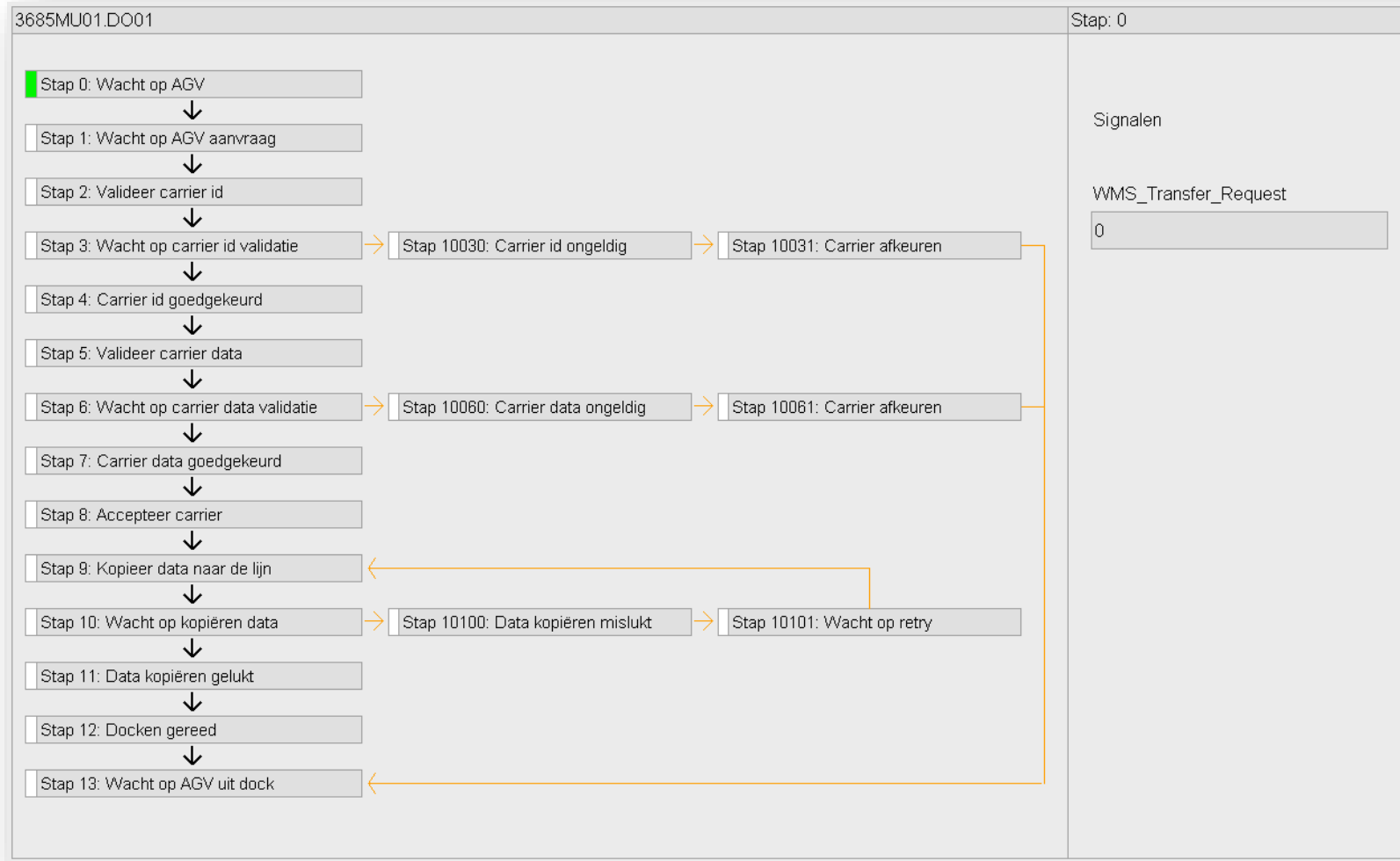
Datum tijd	Minimum	Maximum	Actueel gewicht	Status
2017-01-01 13:00	11.8	12.2	12	<input checked="" type="checkbox"/>
2017-01-01 18:00	11.8	12.2	12	<input checked="" type="checkbox"/>
2017-01-02 13:00	11.8	12.2	12.3	<input type="checkbox"/>
	11.8	12.2	12.3	<input type="checkbox"/>
	11.8	12.2	12	<input checked="" type="checkbox"/>
2017-01-02 13:00	11.8	12.2	12.3	<input type="checkbox"/>
	11.8	12.2	0.0	<input type="checkbox"/>
	11.8	12.2	0.0	<input type="checkbox"/>
	11.8	12.2	0.0	<input type="checkbox"/>
	11.8	12.2	0.0	<input type="checkbox"/>
	11.8	12.2	0.0	<input type="checkbox"/>
2017-01-02 14:00				Overbrugging door: John Doe Reden: Weeginterface defect

2017-01-09
Pagina 1/1

# Koppeling AGV's

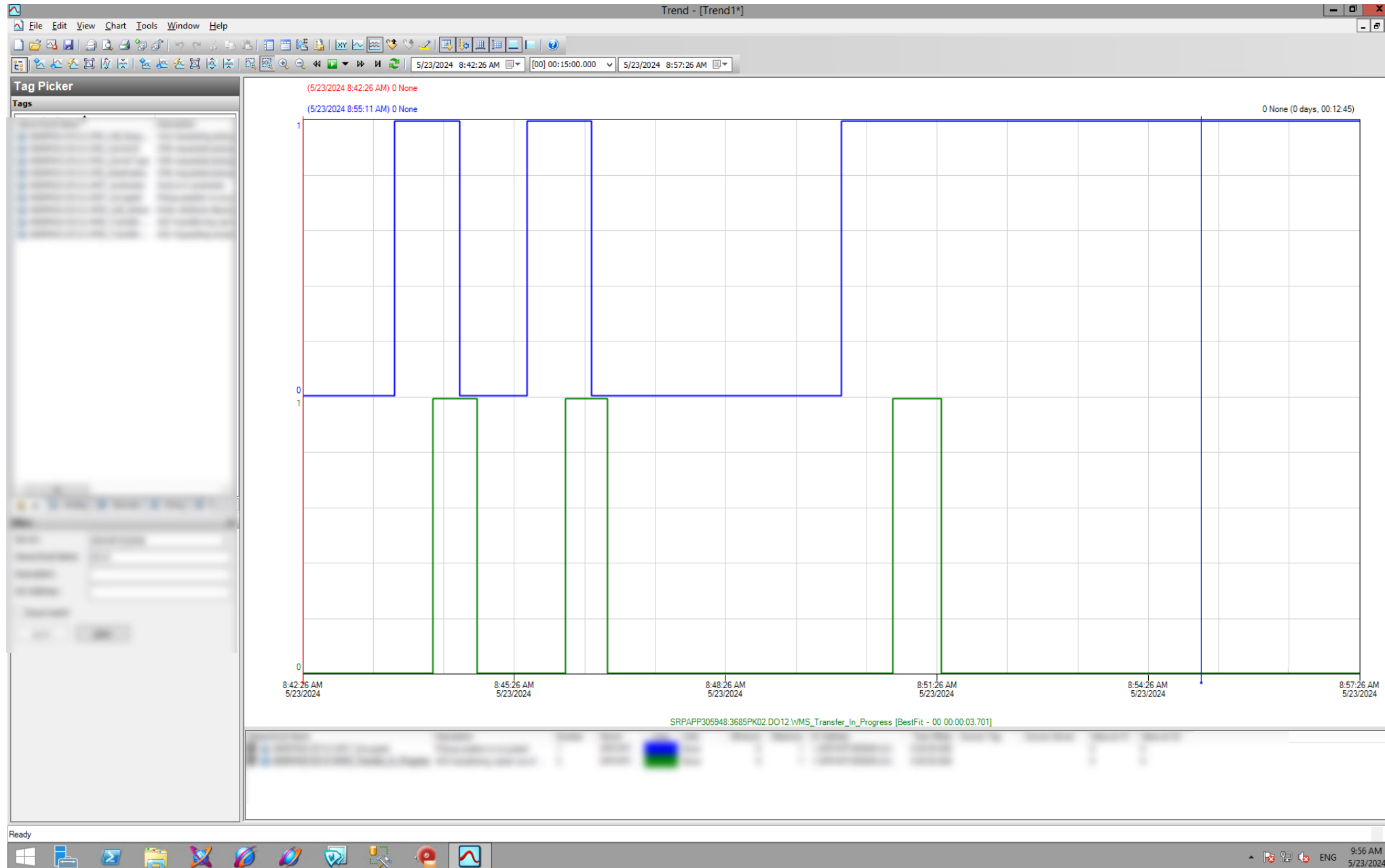
---





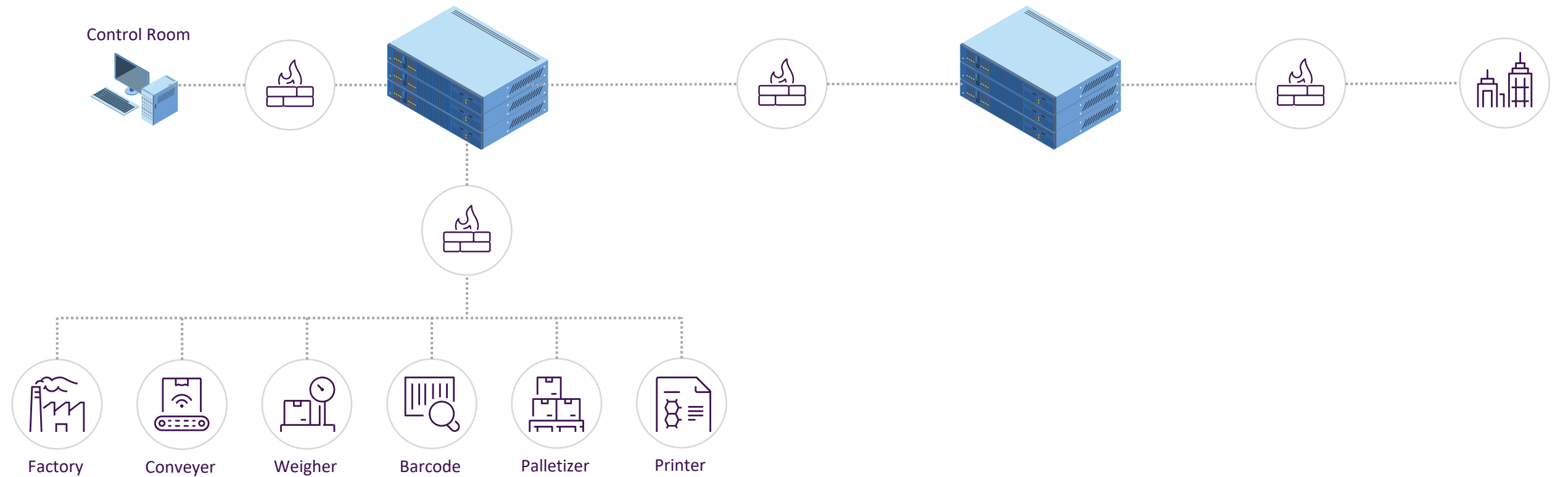
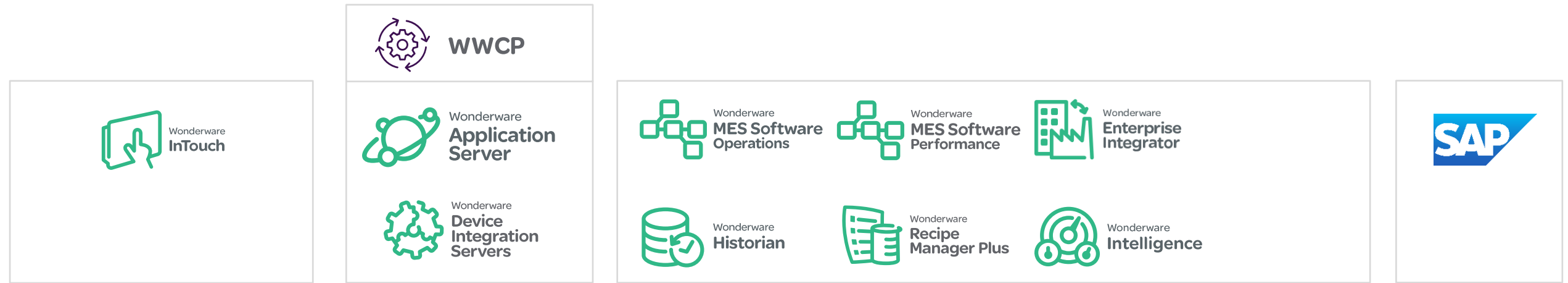




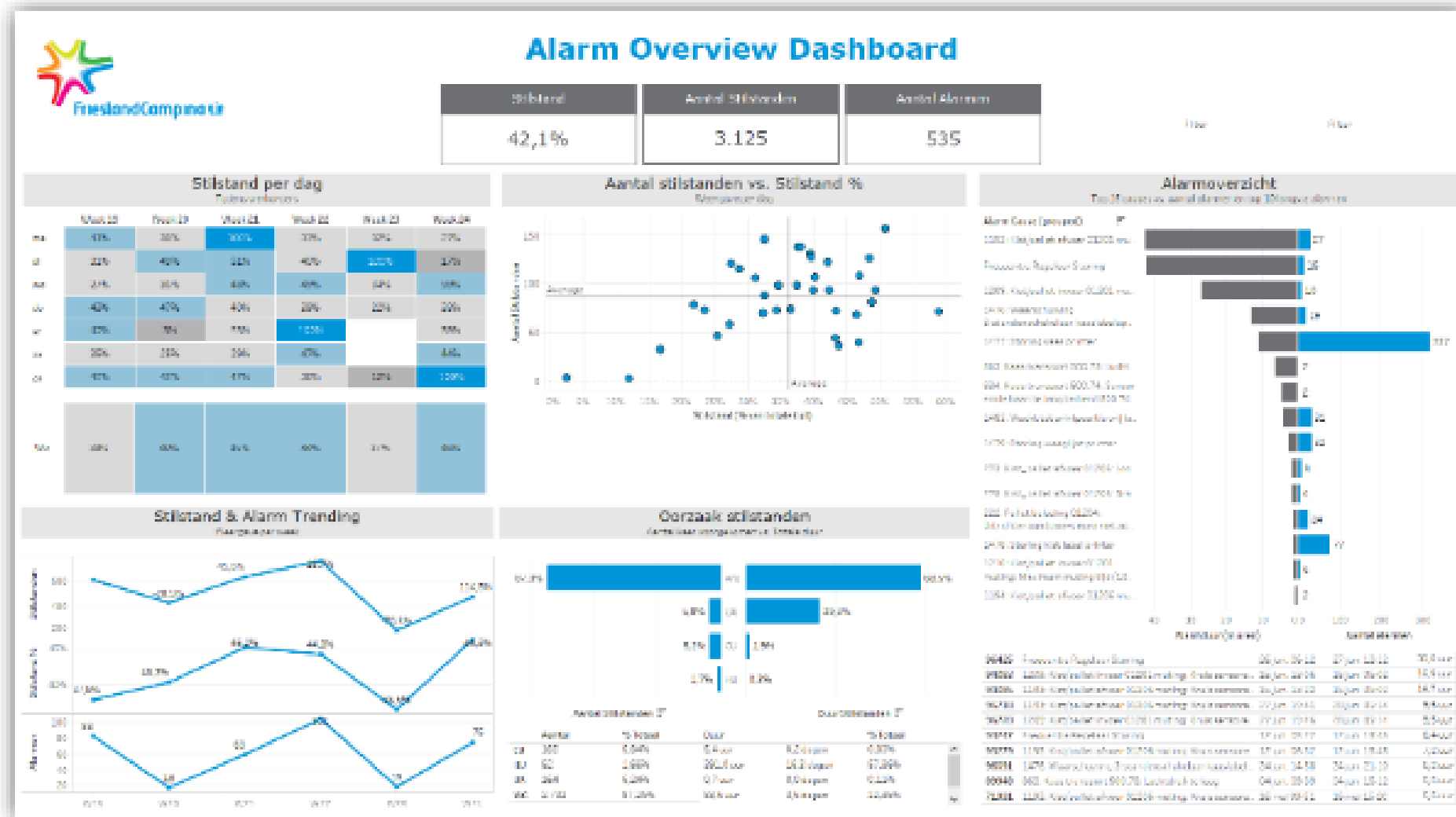


# Data Intelligence

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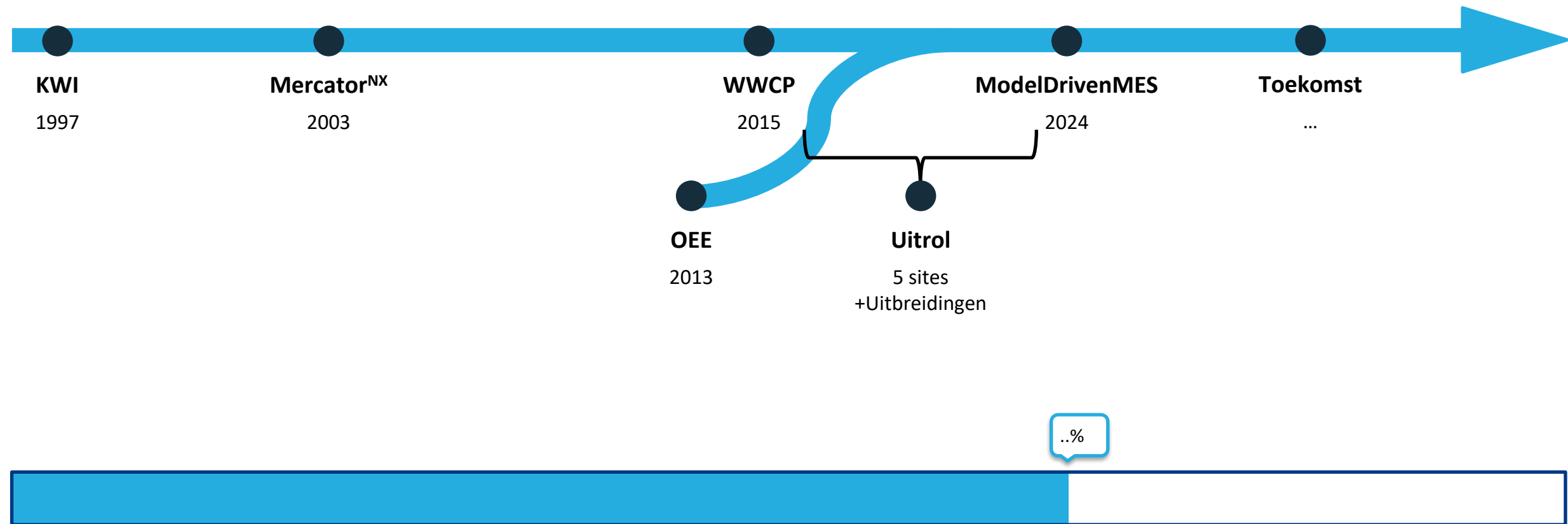
# Data intelligence

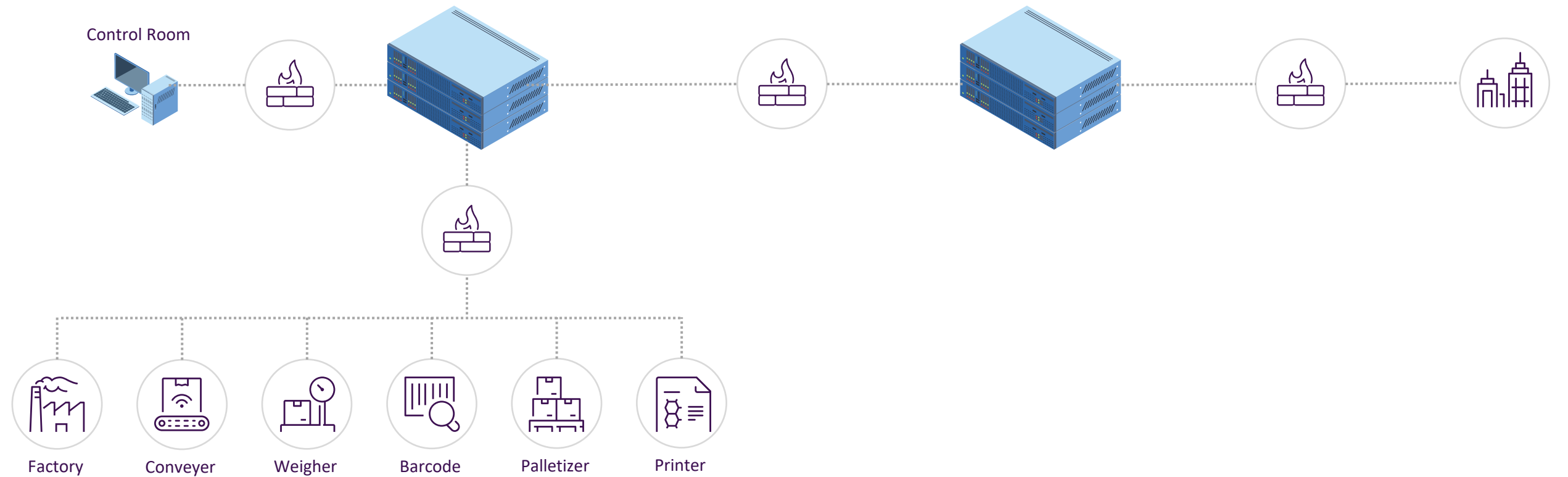


# Model Driven MES



# Timeline





# Implementatie – Huidige project

The screenshot displays the AVEVA™ Work Tasks Enterprise Console interface, showing job details, a task list, and a production details view.

**Job Details (Top):**

- Job Name: Avalon (RUNNING)
- Batch: LOTNO\_12345
- Item: TempTestFinishedItem(Tijdelijk finished item)
- Req. Qty: 510
- Qty. Prod: 388
- Source: Test 6

**Task List (Middle):**

Time	Workorder	Item	Item Desc	Batch	Status	Req. Qty	Qty. Prod
5-3-2024 11:00:00	TestWorkorder_1	TempTestFinishedItem	Tijdelijk finished item	LOTNO_ABC123	SUSPENDED	110	17
5-3-2024 11:00:00	TestWorkorder_2	TempTestFinishedItem	Tijdelijk finished item	LOTNO_12345	RUNNING	510	388
5-3-2024 13:00:00	TestWorkorder_3	TempTestFinishedItem	Tijdelijk finished item	LOTNO_456789	CANCELLED	200	0
5-3-2024 16:00:00	TestWorkorder_4	TempTestFinishedItem	Tijdelijk finished item	230B05	READY	177	211
22-2-2024 14:30:00	TestWorkorder_5	TempTestFinishedItem	Tijdelijk finished item	76AAP7	SUSPENDED	250	0

**Production Details (Bottom):**

Item Grade	Qty. Prod	Created At	Reason Desc
GOODGRADE	3	27-3-2024 17:21:51	Goed product
GOODGRADE	1	27-3-2024 17:22:31	Goed product
GOODGRADE	2	27-3-2024 17:22:57	Goed product
GOODGRADE	1	27-3-2024 17:26:12	Goed product
GOODGRADE	2	27-3-2024 17:26:29	Goed product
GOODGRADE	1	27-3-2024 17:29:32	Goed product
GOODGRADE	2	27-3-2024 17:30:01	Goed product
GOODGRADE	1	27-3-2024 17:44:46	Goed product
GOODGRADE	2	27-3-2024 17:45:02	Goed product
GOODGRADE	1	28-3-2024 17:05:59	Goed product
GOODGRADE	1	5-4-2024 09:57:24	Goed product
GOODGRADE	2	9-4-2024 11:36:58	Goed product
GOODGRADE	1	9-4-2024 11:43:06	Goed product
GOODGRADE	5	18-4-2024 13:59:40	Goed product
GOODGRADE	5	18-4-2024 14:01:30	Goed product
GOODGRADE	6	18-4-2024 14:06:05	Goed product
GOODGRADE	7	18-4-2024 14:11:24	Goed product

**Item Details (Bottom):**

DATE	REF.ID	ADDITIONAL DATA
25.11.2023	TempTestFinishedItem	ORDER NUMBER
PALLET SEQ NO	999	
REF.ID	TempTestFinishedItem	CONTENT
BATCH/LOT	LOTNO_ABC123	EXPIRY DATE(DD.MM.YY)
NET WEIGHT	1250 KG	SSCC CODE
		GROSS WEIGHT
		00000 Zakken
		VENDOR BATCH
		487131070000999992



# Implementatie – Huidige project

Script name: SC\_Step\_000

Execution type: Execute

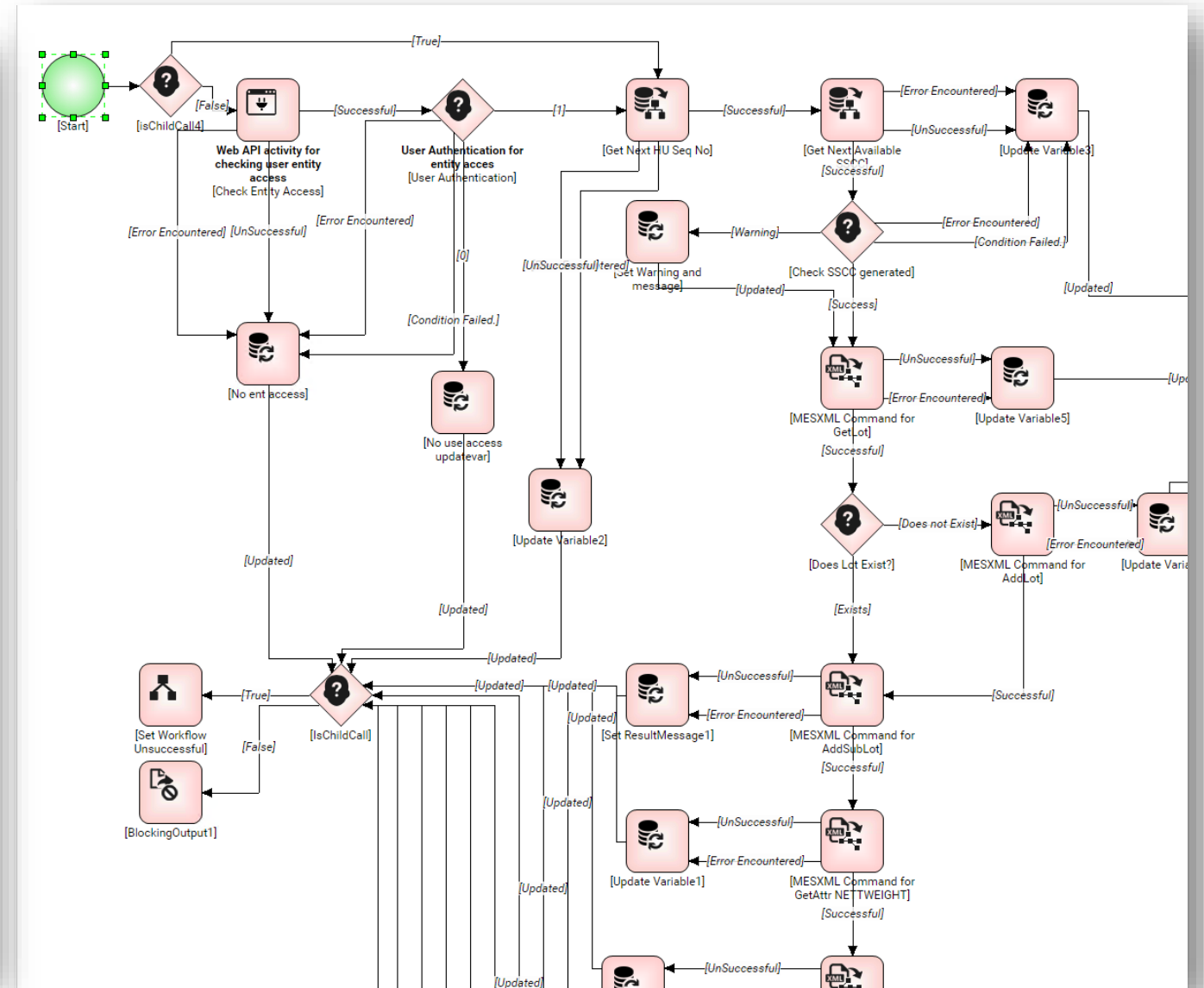
Expression: Me.Step\_Nr == 0

Trigger type: WhileTrue

Trigger period: 00:00:00.0000000

Deadband: 0,0

```
1 {- *****  
2 -- Author: WoDi  
3 -- Create date: 2017-06-22  
4 -- Description: Step 0: Ready for CMD_DataReady  
5  
6 -- Date_Modified Modified_By Ver Changes  
7  
8 -- 2017-06-22 WoDi 001 Original  
9 -- *****  
10 -- *****  
11 Me.CurrentStatusText = "";  
12  
13 if (Me.CMD_DataReady) then  
14 Me.Status = 2;  
15 'tell external process we have seen the cmd  
16 Me.DataRead = true;  
17  
18 'Make sure valid is false  
19 if (Me.Scheduler.CONF_Enabled) then  
20 if (Me.Valid) then  
21 Me.Valid = false;  
22 endif;  
23 endif;  
24  
25 'Reset signals  
26 Me.Current_Session = "";  
27 Me.Current_Sequence = 0;  
28 Me.Alarm = false;  
29  
30 if (Me.DebugMode) then  
31 LogMessage ("Step 0 - Done");  
32 endif;  
33  
34 Me.Step_Nr = 1;  
35 endif;
```



# Kwaliteitsanalyses

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# Kwaliteitsanalyses

Enterprise Console - FCLochem\_Repo2 - Google Chrome

Enterprise Console Administrator

AVEVA™ Work Tasks

**Avalon** RUNNING

TestWorkorder\_2

TempOperation  
Operation  
0  
Sequence Number

Batch: LOTNO\_12345

Item: TempTestFinishedItem(Tijdelijk finished item)

406

Req. Qty. 510

Qty. Prod. 406

Source: Test 6

Manual Refresh

Wachtrij | Produceren | BOM Consumeren | **Monstername** | Codering | @@printers@@

Details @@Samples@... @@RegisterLa... @@AddNewS... @@RegisterSa... Refresh Help

Filter

@@sp_attr...	@@sp_seq...	@@sp_cod...	@@sp_cod...	@@sp_cou...	@@sp_print...	@@sp_test...	@@sc_coun...	@@extra_c...
HU	0	10	Microbiological	2	1		2	1
HU	0	20	First chemical	1	0		1	0
HU	0	30	Visco	1	1	L	1	0
HU	2	30	Visco	1	1	L	0	0
HU	4	30	Visco	1	1	L	0	0
HU	6	30	Visco	1	1	L	0	0
HU	6	40	Shelf life	2	1	L	0	12
HU	8	10	Microbiological	2	1		0	0
HU	10	30	Visco	1	1	L	0	0
MAN		30	Visco	2	1	L	0	0
CU	4	30	Visco	1	1	L	0	0

@@SamplingPlanDetails@@

@@sp\_code@@: 10

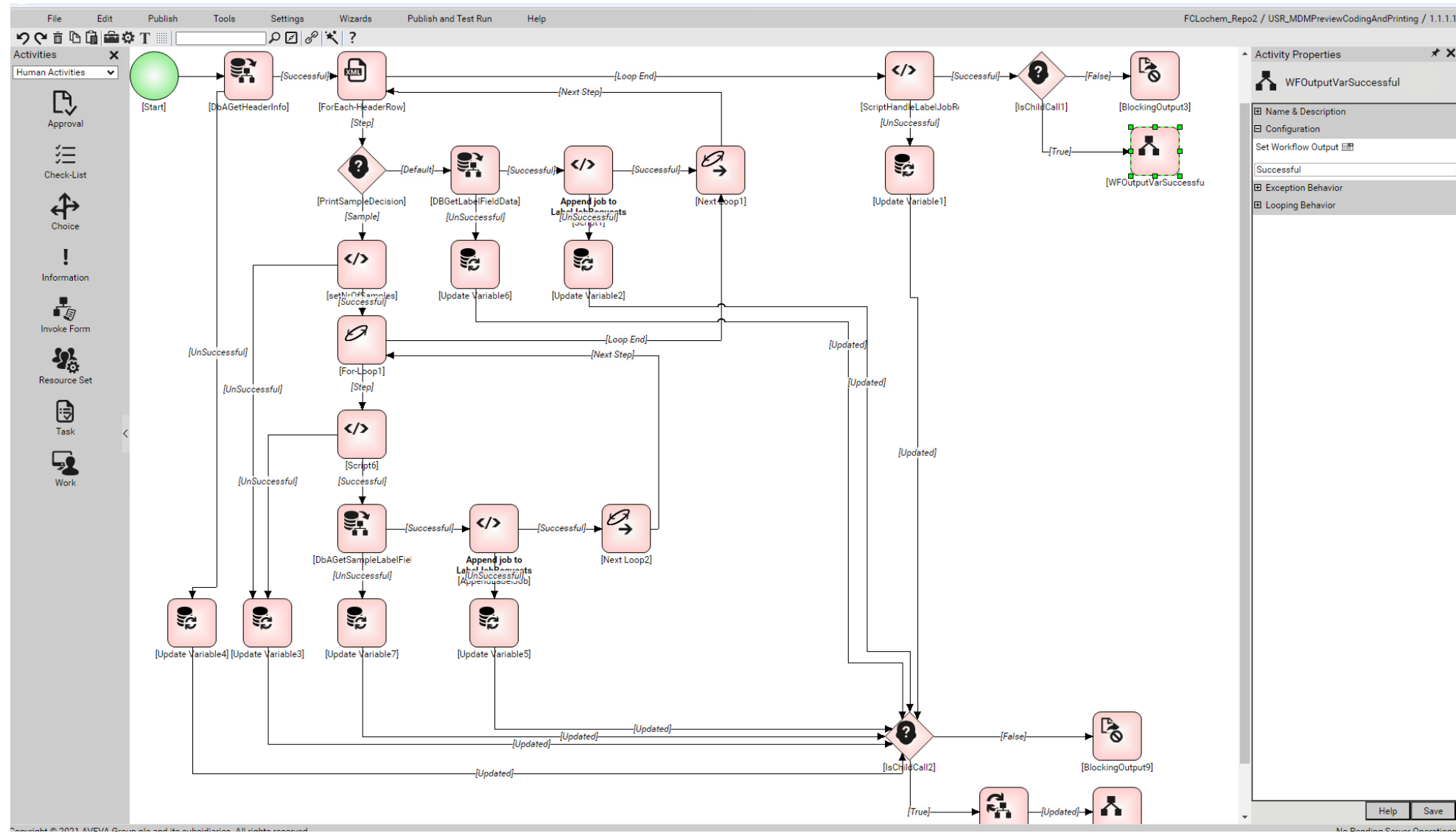
@@sp\_code\_desc@@: Microbiological

@@sp\_count@@: 2

@@sp\_test\_code@@:

Close

# Kwaliteitsanalyses



# Friesland Campina Doelen



- Standaardisatie
- Uniformiteit
- Onderhoudbaarheid
- Meer configureren dan programmeren

..%



**batenburg**  
technik

smarter focus.  
brighter tomorrow.

