



**MØRE  
TRAFO**

# Orchestrating Excellence: How Møre Trafo synchronized production, logistics, and quality with Novacura flow

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**EPIC  
FURY**



**MORE  
TRAFO**



# Møre Trafo



Gründeren Oddvar Rieve Kristiansen startet transformatorproduksjon i Sykkylven i 1951....

Møre Trafo ble startet av Oddvar Rieve Kristiansen i 1951 med 3 ansatte

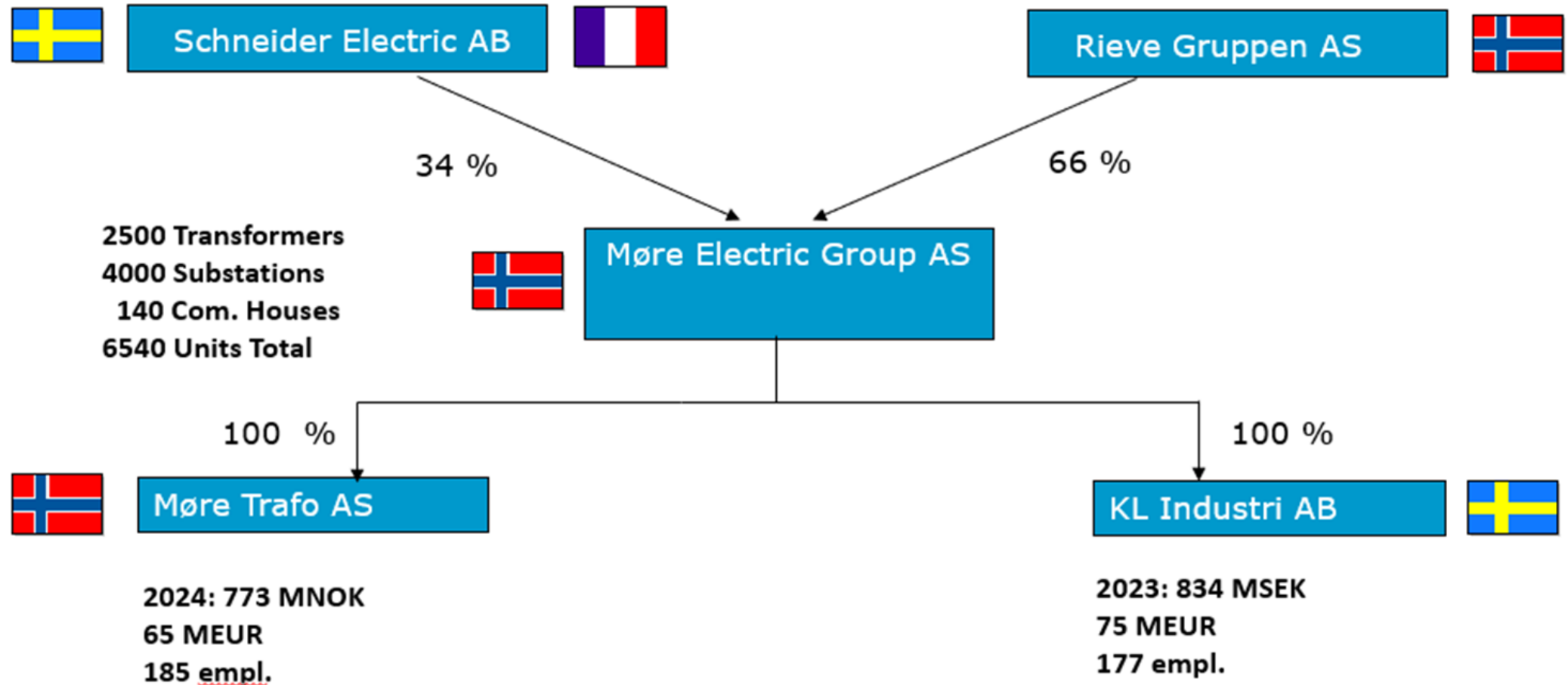
I 1964 flyttet bedriften inn i nye lokaler på Aursneset

I 2000 inngikk vi samarbeid med Schneider Electric AB og Møre Electric Group ble etablert

Familien Rieve Kristiansen eier 66% i Møre Electric Group og Schneider Electric 34%



# Møre Electric Group





Skandinavias største produsent av fordelingstransformatorer  
og ferdigmonterte nettstasjoner

Møre Trafo AS - Sykkylven



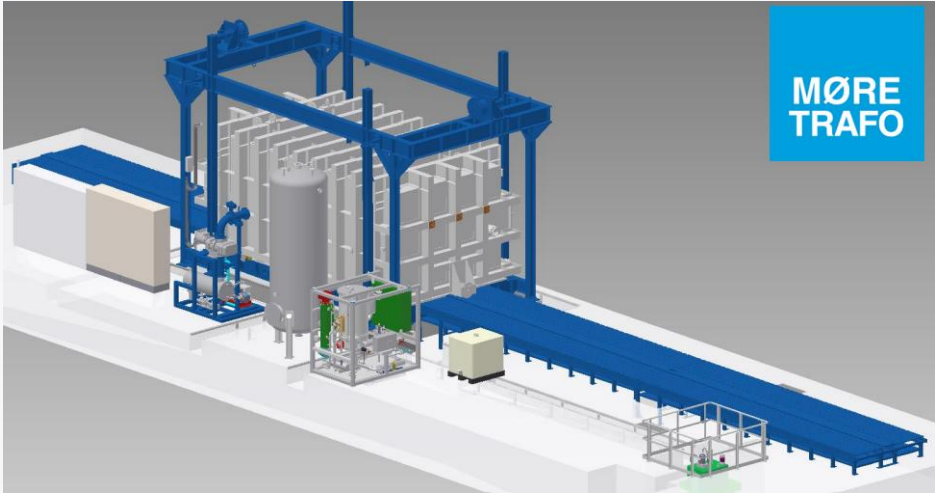
# Solutions, B2B





**2000 + ODT**  
**600 + Substations**

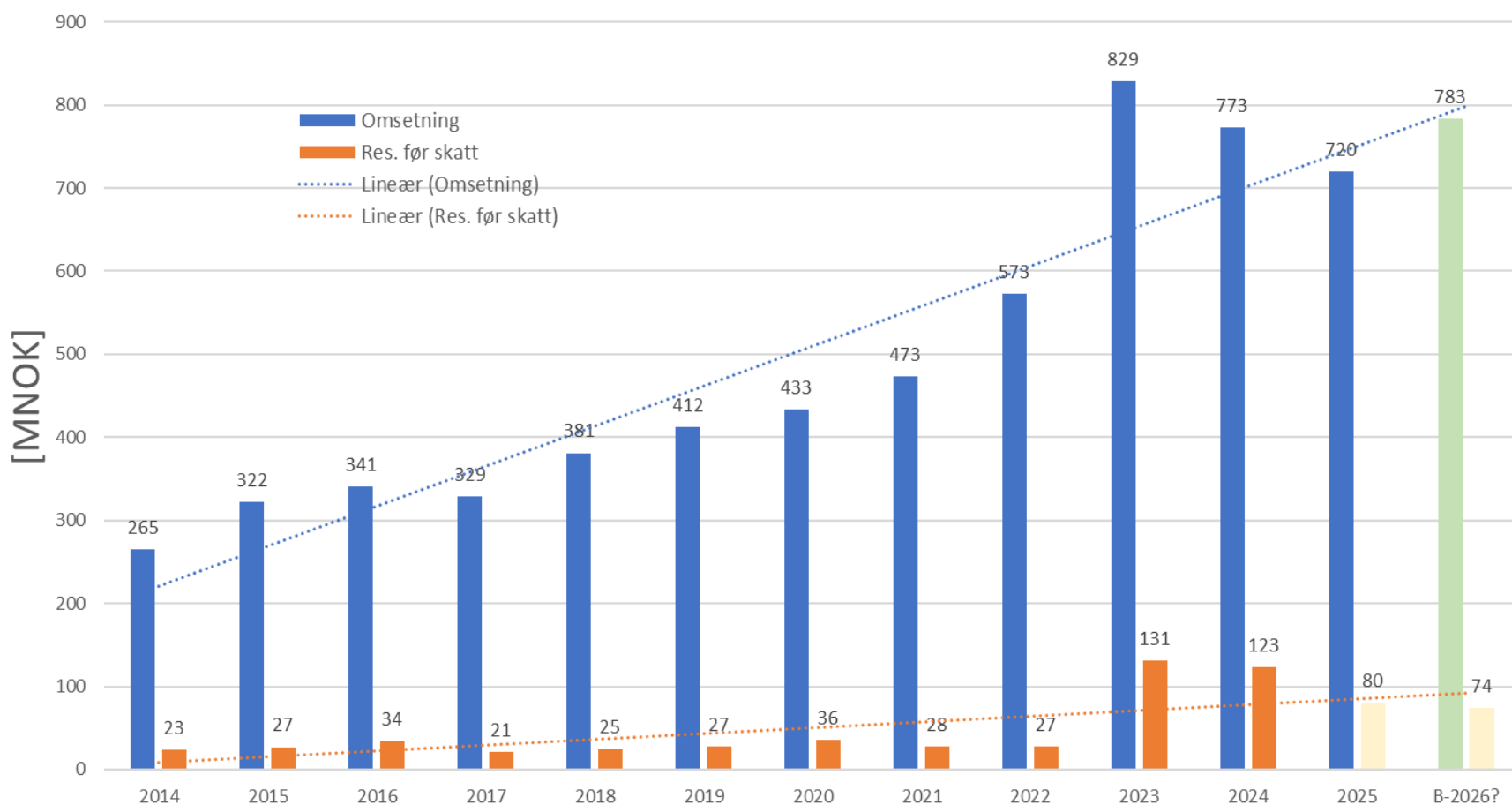
# Toys / Production – flexible manufacturing on site !



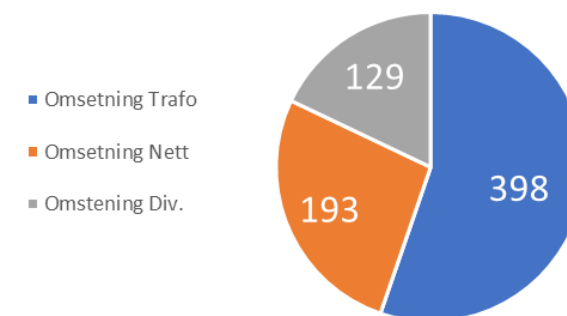
# Omsetning og fordeling mellom produkt og marked



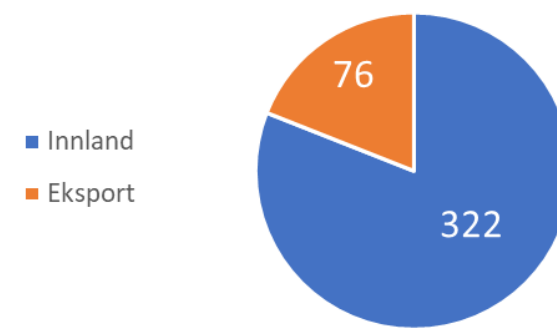
## Omsetning og resultat 2014- 2026



### Omsetning 2025 fordelt på produkt [MNOK]



### Omsetning 2025 fordelt på marked



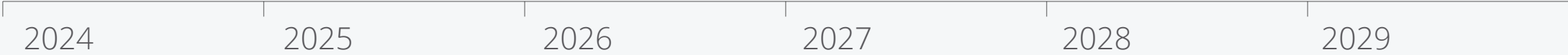
# Møre Trafo is in **BIG DANGER** Are U?



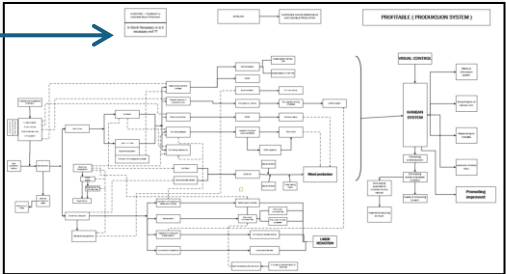
# Production Strategy:



Best Quality – Lowest Cost – Shortest Lead Time – Best Safety – High Morale



01 Start – Definition and implementation of Møre Trafo production system



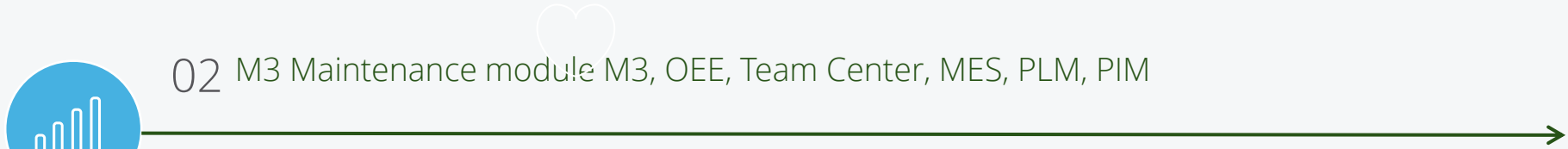
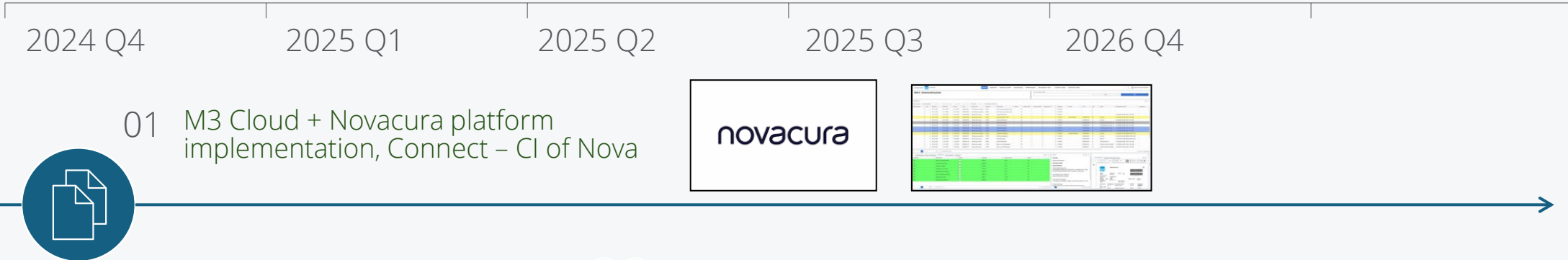
03 Build-in-Quality and Automation  
Error proofing, systematic problem solving, defect elimination



02 Implementation of Just in Time principles  
Right part, right amount, right time. Takt time in production.  
Continuous flow, pull system, quick changeovers, integrated logistics.

Operational Stability, Leveled production, Standardized Work, Visual Management, Total Productive Maintenance, Kaizen

# MT Strategy Key Investments: Software, SMART Digitalization, Smart Factory



**Site Structure**

**Functions**

- Site management
- Asset information
- Work order
- Spare parts
- Equipment cost
- Meter readings
- Unlimited site structure levels
- Position Based
- Cost Aggregations
- Station Aggregations
- Installation / Removal
- Lower-level meter can trigger PM on higher-level

**Asset / Equipment overview**

**Functions**

- Alerts
- Analytics
- Work request
- Work order
- Warranty
- Service history
- Equipment cost
- Meter readings

**Plant maintenance main areas**

<b>EQUIPMENT STRUCTURES</b> Define your equipment and its components	<b>SERVICE DEFINITIONS</b> What maintenance jobs are we performing	<b>MAINTENANCE PLANNING</b> When, who and with what?	<b>EXECUTE &amp; REPORT</b> Maintenance from a technician's point of view	<b>SPARE PARTS</b> How do we manage our spare parts?
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**FINANCE & ANALYTICS**  
How do we analyze our performance and follow up the cost?

# Background, before Novacura

- Merit Portal for internal logistics
- Production work orders on paper
- 3000 printouts a week
- Over 70 hours of paper handling
- No defined procedure for error handling



# The results achieved

- Production Interface - Flow
- Quality build in process - FTR
- Feedback system Quality in data - BD risk management
- Dash boards for Issues – RTM
- Intra logistic apps – stability

**KM2 6 - Kioskmontering kiosk**

Operasjon	Start dato	Slutt dato	AD/FTR	Status	Produkt	Produkt nr	Prosjekt nr	Startet	KD nr	Løp	Kunde
0	24.11.2025	25.11.2025	25.11.2025	000018387	FAT (Factory acceptance test)	36208	FAT (Factory acceptance test)	40	1	0	P104360
0	24.11.2025	25.11.2025	25.11.2025	000018388	FAT (Factory acceptance test)	36208	FAT (Factory acceptance test)	40	1	0	P104360
0	16.12.2025	18.12.2025	18.12.2025	000078960	Montering av kiosk	32900	Special Nettstasjon	40	1	0	P102231
0	09.03.2026	11.03.2026	11.03.2026	000028779	Montering av kiosk	37399	Maxi Lav 4250 Datacenter	70	1	0	P106058
0	09.03.2026	11.03.2026	11.03.2026	000028779	Montering av kiosk	37399	Maxi Lav 4250 Datacenter	70	1	0	P106058
0	09.03.2026	12.03.2026	12.03.2026	000081125	Montering av kiosk	32900	Special Nettstasjon	30	1	0	P108176
0	12.03.2026	13.03.2026	13.03.2026	000082174	Montering av kiosk	32900	Special Nettstasjon	70	1	0	P108058
0	12.03.2026	18.03.2026	18.03.2026	000081947	Montering av kiosk	32900	Special Nettstasjon	30	1	0	P104995
0	17.03.2026	18.03.2026	18.03.2026	000091978	Montering av kiosk	32900	Maxi Nettstasjon	40	1	0	P108223
0	17.03.2026	18.03.2026	18.03.2026	000027196	Montering av kiosk	32900	Maxi Nettstasjon	70	1	0	P108227
0	17.03.2026	18.03.2026	18.03.2026	000028900	Montering av kiosk	32900	Maxi Nettstasjon	70	1	0	P108268
0	17.03.2026	18.03.2026	18.03.2026	000028410	Montering av kiosk	32900	Special Nettstasjon	40	1	0	P108449
0	18.03.2026	20.03.2026	20.03.2026	000081516	Montering av kiosk	32900	Special Nettstasjon	40	1	0	P104667
0	20.03.2026	20.03.2026	20.03.2026	000081810	Kioskmontering 2 etasje	48000	DIVERSE/DALS (STK) KIOSK	40	1	0	P105446
0	18.03.2026	20.03.2026	20.03.2026	000028780	Montering av kiosk	37399	Maxi Lav 4250 Datacenter	30	1	0	P106058

**OPERASJONS OVERSIKT**

Order nr	Startdato	Ferdigdato	KM2 6 Nettstasjon	KM3 6 Nettstasjon	KM4 6 Nettstasjon	KM5 6 Nettstasjon	KM6 6 Nettstasjon	KM7 6 Nettstasjon	KM8 6 Nettstasjon	KM9 6 Nettstasjon	KM10 6 Nettstasjon
000082209 - 34000 - Maxi Nettstasjon 8500	20260317	20260408	OK	OK	OK	OK	OK	OK	OK	OK	OK
000081024 - 32101 - Flax 2 Maxi Nettstasjon	20260317	20260409	OK	OK	OK	OK	OK	OK	OK	OK	OK
000080788 - 30900 - Special Nettstasjon	20260317	20260409	OK	OK	OK	OK	OK	OK	OK	OK	OK
000081081 - 30946 - VENTIL MAXI 13 M3	20260318	20260319	OK	OK	OK	OK	OK	OK	OK	OK	OK
000082780 - 37399 - Maxi Lav 4250 Datacenter	20260318	20260320	OK	OK	OK	OK	OK	OK	OK	OK	OK
000082781 - 37399 - Maxi Lav 4250 Datacenter	20260318	20260320	OK	OK	OK	OK	OK	OK	OK	OK	OK
000082782 - 37399 - Maxi Lav 4250 Datacenter	20260318	20260320	OK	OK	OK	OK	OK	OK	OK	OK	OK
000082783 - 37399 - Maxi Lav 4250 Datacenter	20260318	20260320	OK	OK	OK	OK	OK	OK	OK	OK	OK
000081422 - 32100 - Maxi Nettstasjon	20260318	20260407	OK	OK	OK	OK	OK	OK	OK	OK	OK

**Rapportere sjekklister**

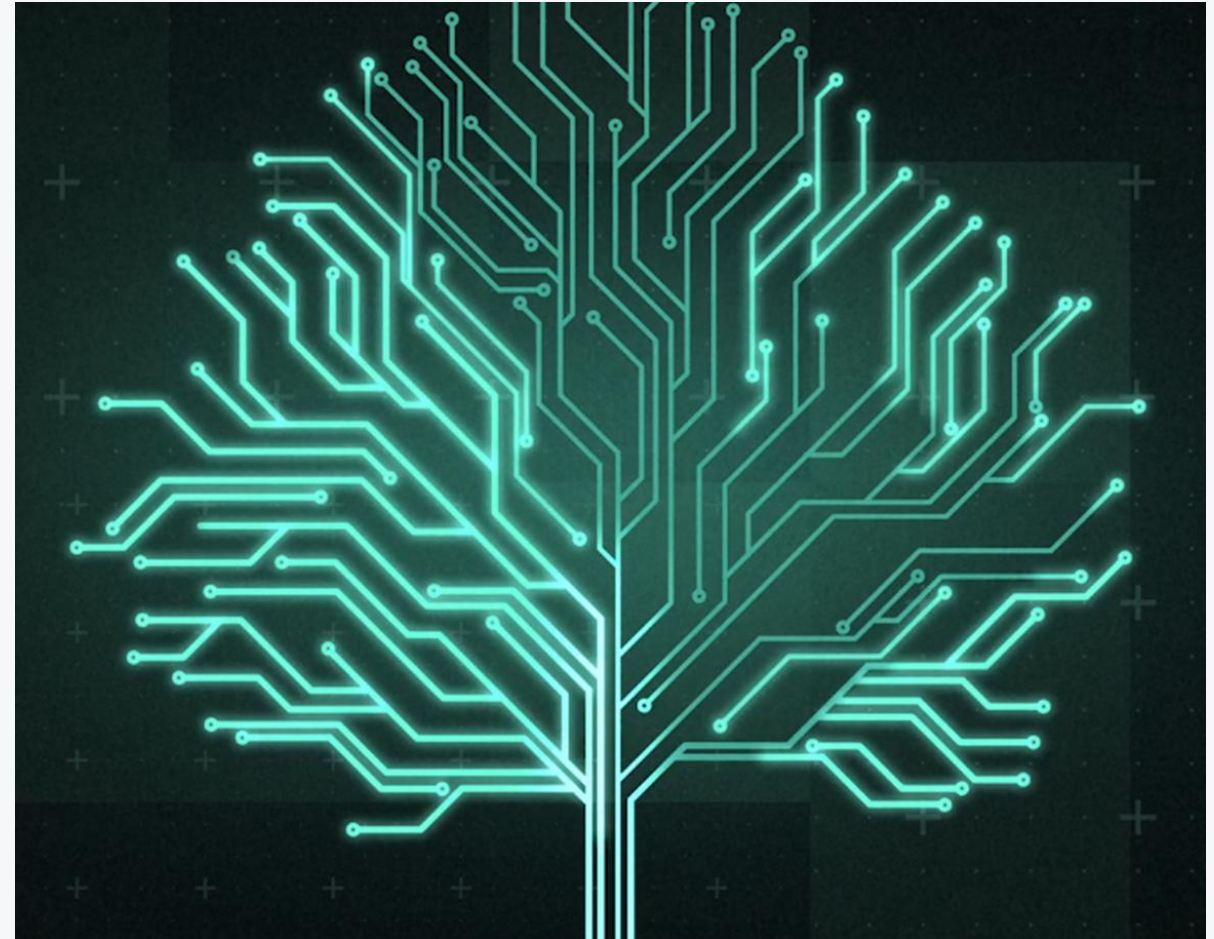
**Stoppkoder siste 7 dager**

Stoppkode	Antall	Tid
KJM 6	1	1 min
KJPA 6	2	2 min
KM2 6	4	4 min
KMAN 6	2	2 min
KMF 6	1	1 min
KMOR 6	5	5 min
KMN 6	2	2 min
KMKA 6	4	4 min
KMS 6	1	1 min

# Impact across the organization, challenges we solved



- Capital cost
- Overall control ( info quality )
- UpKip MES – easy and smooth implementation
- Claims reduction by 35 % on key issues
- IT function – talk IT
- Change management - comfort zone



# New opportunities

- Improve presales process and standardize
- End to End process improvement QA / Andon
- Improve RTO process
- Future Flexibility and speed, reduce claims by 10 /15 % 2026 vs 2025
- AI – slow and smart
- Quick Kaizens in process development !

# Future ?



# The prince on the white horse is not coming

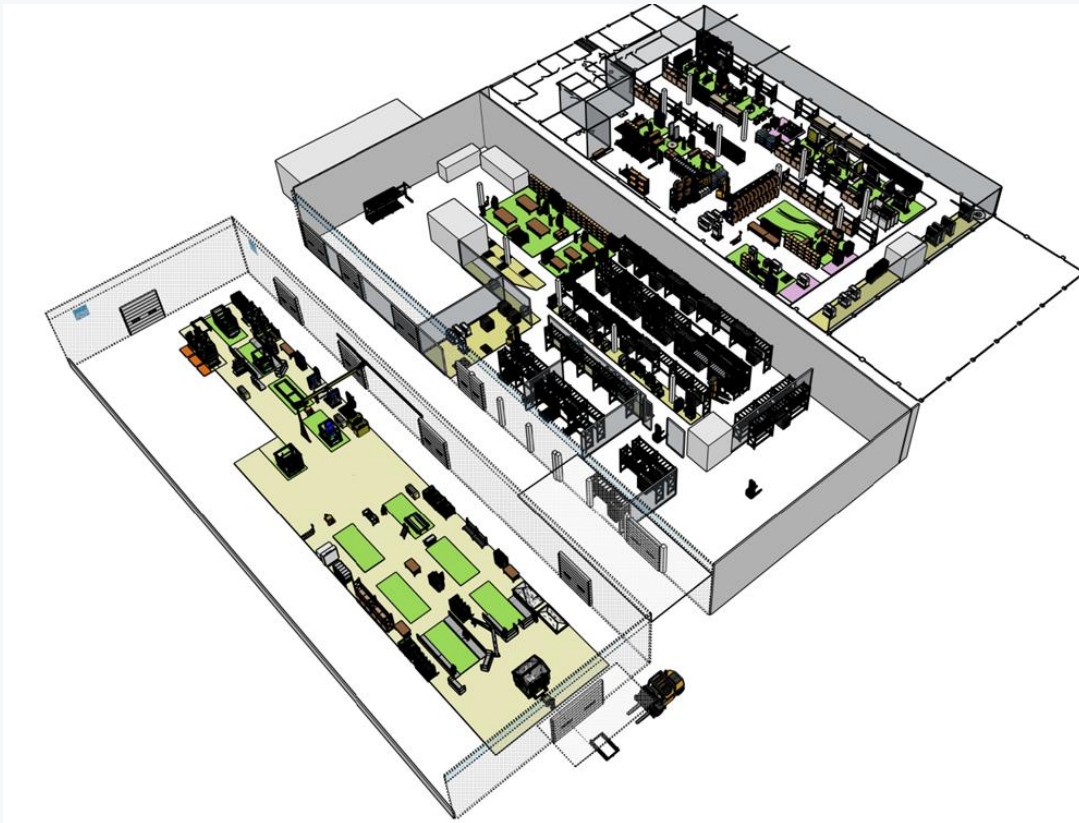


Its not YOU



# Future

New factory – intra logistic JIT – reduction of capital cost



# Future

Evolve – Adapt – Speed to market !



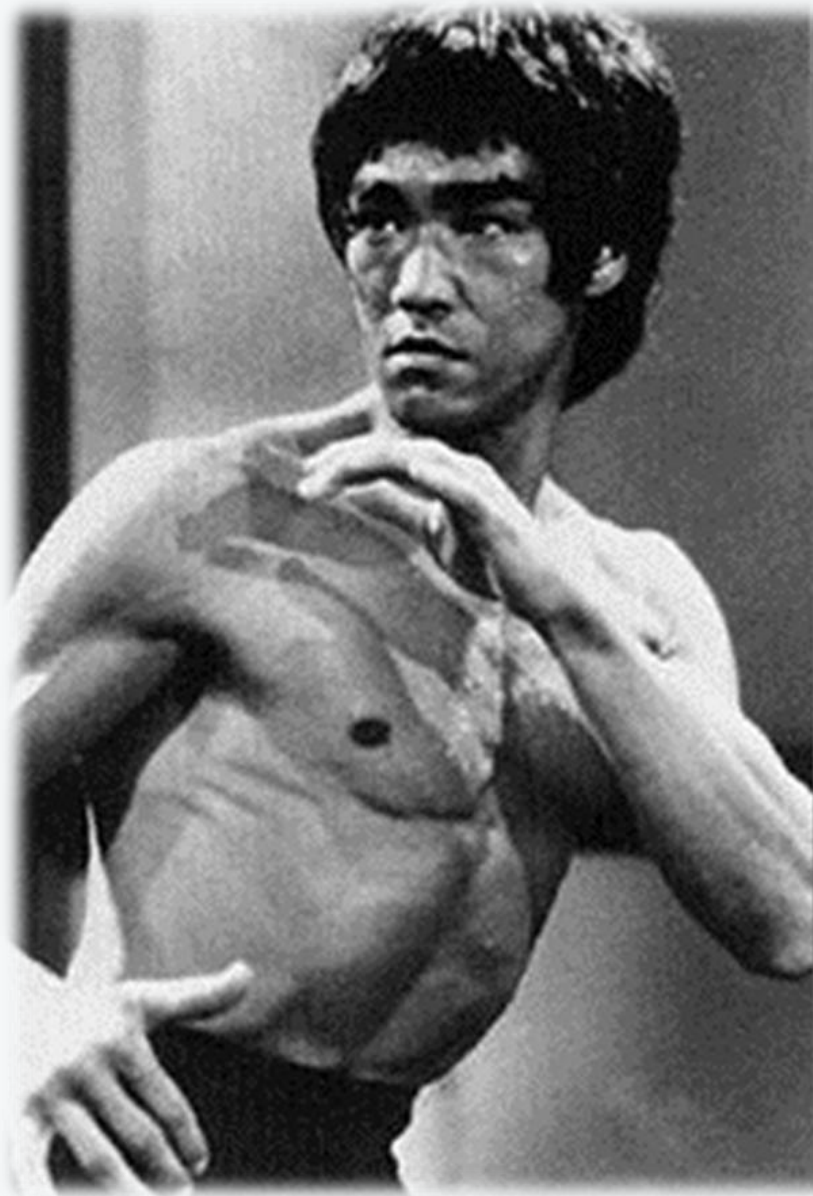
VS







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"I fear not the man who has practiced 10,000 kicks once, but I fear the man who has practiced one kick 10,000 times."  
Bruce Lee