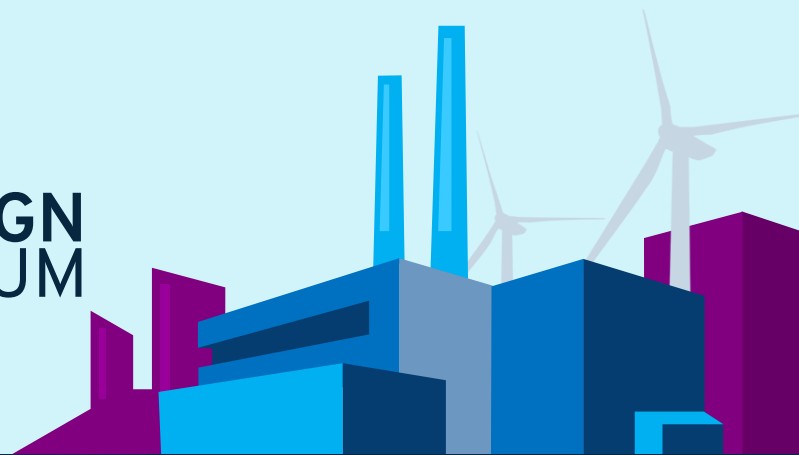




2024  
INDUSTRI&DESIGN  
FORUM



# INTEGRATION AF PRODUKT DATA

Undgå data-øer og sørg for, at jeres  
systemer taler sammen

# VELKOMMEN DAGENS TEAM

---



Industry Product Manager

**Morten Benner Rolsgaard**

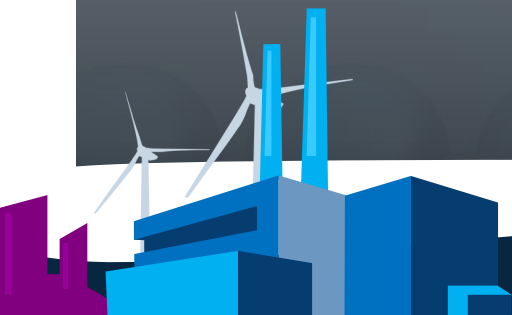
mbr@nti-group.com

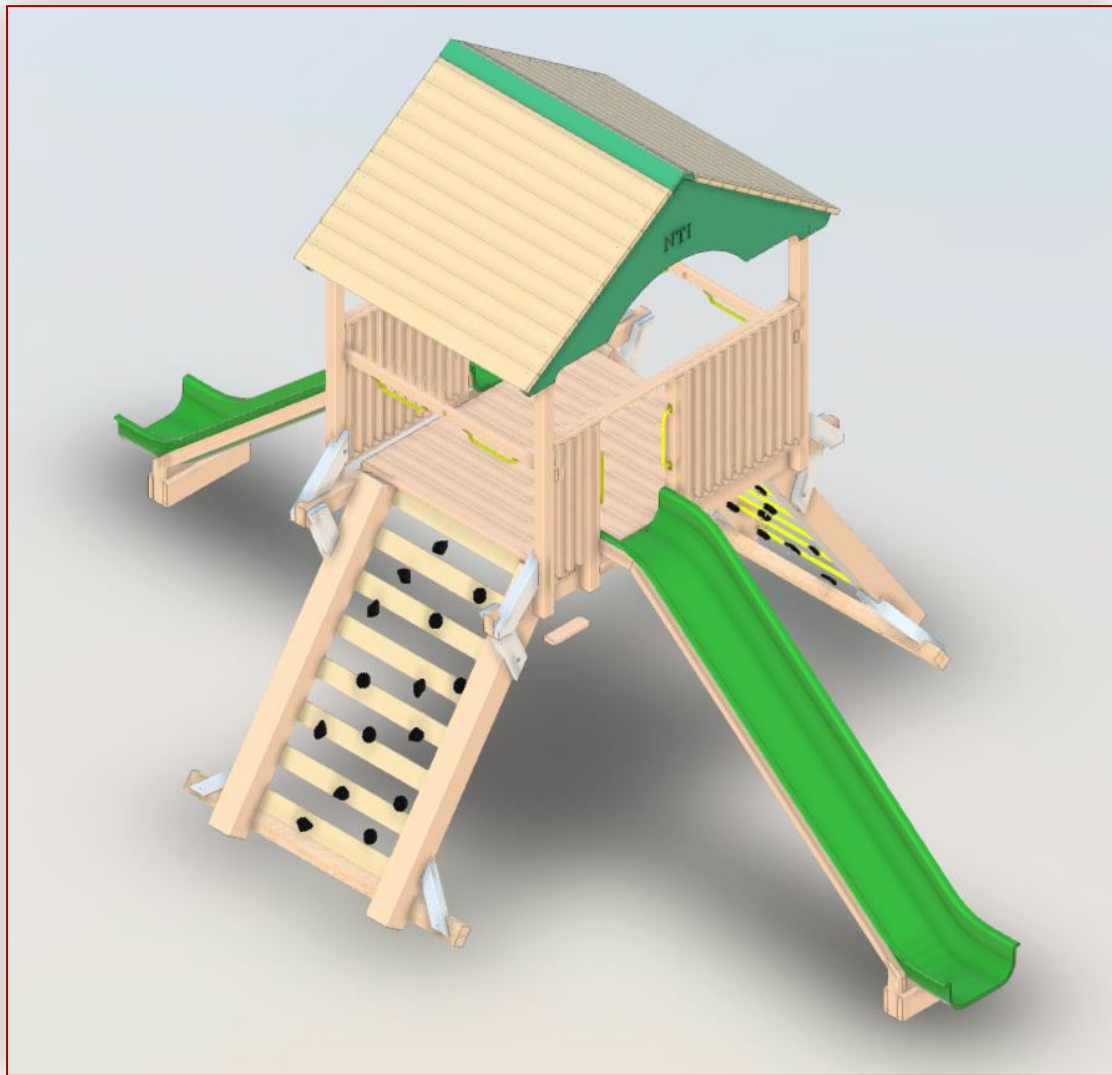


Customer Engagement Manager

**Jesper Prip Brandt**

+45 76 42 41 07  
jpb@nti-group.com





# INDHOLD

Introduktion

Setup, hvad indgår i præsentationen

Præsentationer

I gang med integrerede data

Q & A

# INTRODUKTION

Trends i Industrien

Data ø'er

# TIDENS INDUSTRI TRENDS

**3D** benyttes endnu mere **som databærer** og platform for design og simulering, i hele produktets livscyklus



**Digitale tvillinger** af de fysiske produkter og projekter, benyttes udstakt over hele processen, fra afklaring til maintenance og EOL



**Augmented Intelligence** (AI), spiller en stadig større rolle, hvor bl.a. optimering af alt fra design til produktion og vedligehold kan identificeres



**Bæredygtighed** er i fokus hos mange, også hvordan de forskellige krav kan honoreres bl.a. i forhold til udledning, længere produktlevetid, optimering af drift, osv....



Øget opmærksomhed på cloud og API'er. Vi ser at en **digital omstilling**, hvor data er integrerede i forretningen, gør at virksomheder er mere tilbøjelige til at nå og overgå deres forretningsmål



# TYPISKE ØNSKER OM FORBEDRING



## GLOBALISERING

Nye markeder

Konkurrenceevne

Billigere priser



## OUTSOURCING

Design

Produktion

Leverandører



## STANDARDISERING & TILPASNING

Af produkter

Til markedet

Flere & komplekse krav/behov

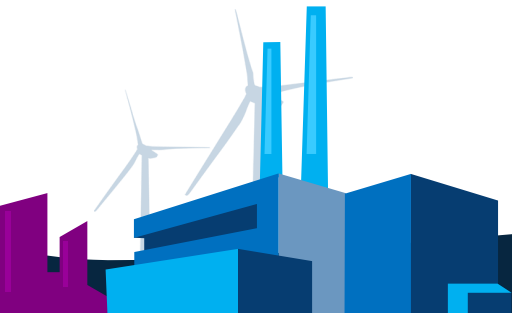


## PRODUKTIVITET

Større og bredere produktprogram

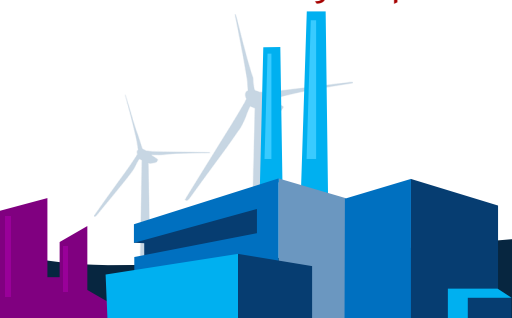
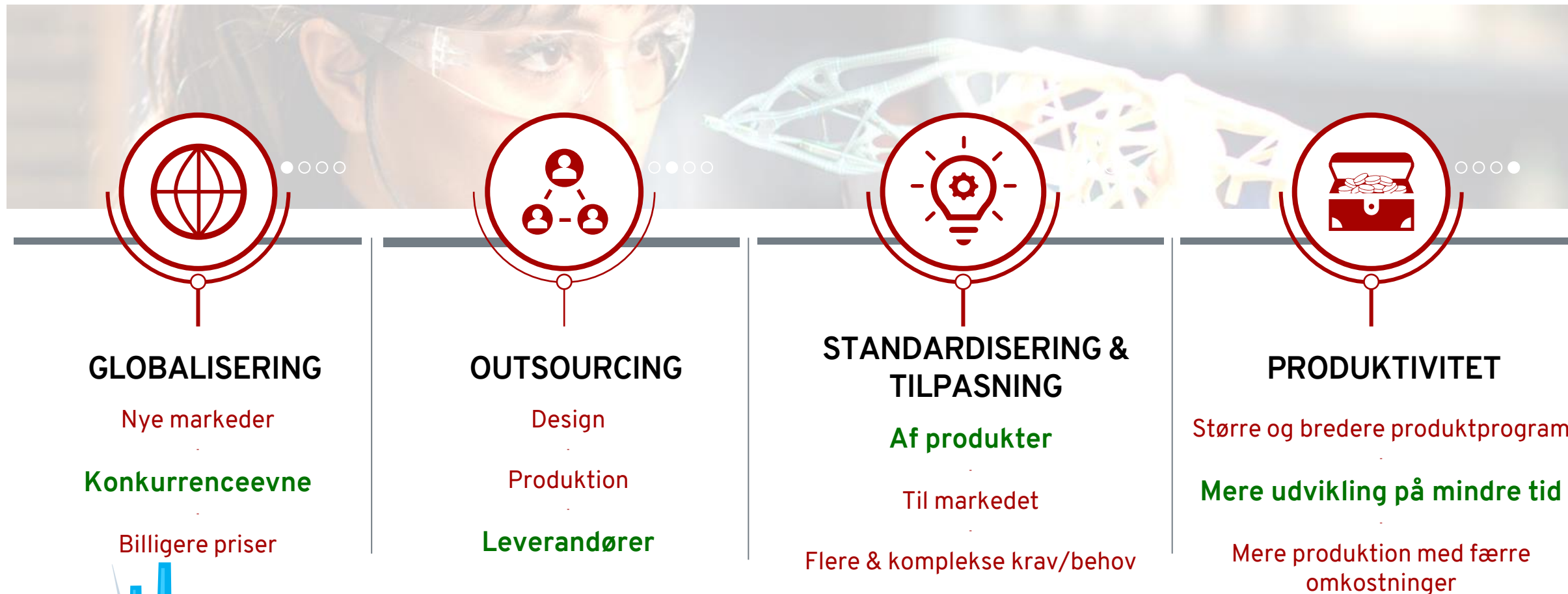
Mere udvikling på mindre tid

Mere produktion med færre omkostninger





# TYPISKE ØNSKER OM FORBEDRING



# NTI KONCEPTER

Vores koncepter tager udgangspunkt i de **forretningsresultater**, som du kan opnå med vores teknologi.



NTI arbejder med en bred vifte af virksomheder på tværs af **mange brancher** og markeder i hele verden



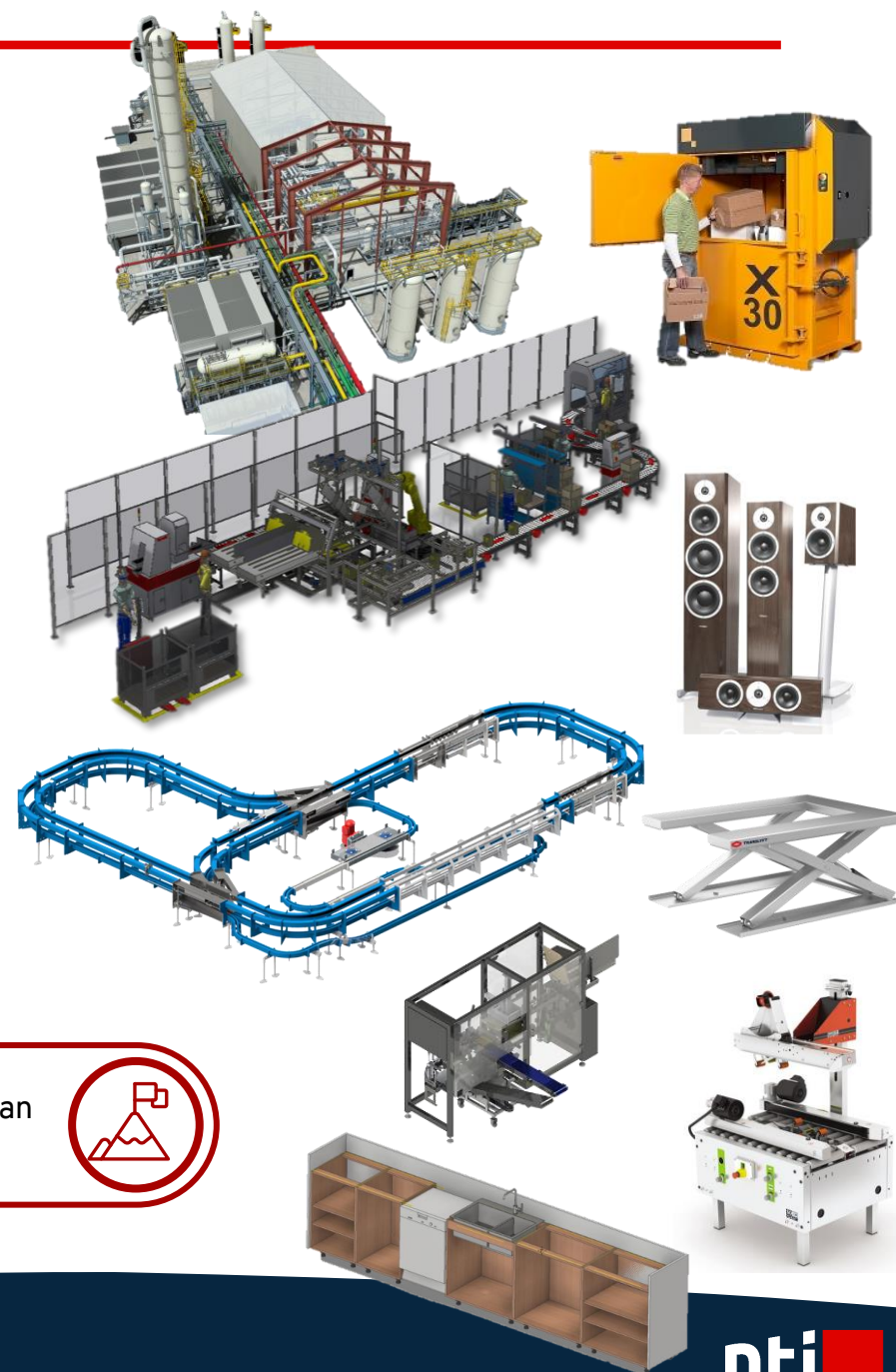
Hver virksomhed er unik, og adskiller sig i forhold til andre. Det er et vitalt mål at kunne understøtte det **unikke** med vores **løsningskoncepter**.



Nye **trends og tiltag** i industrien **understøttes** i en stepvis tilgang, så de rigtige indsatser passer til virksomhedens nuværende niveau og efterfølgende ønsker

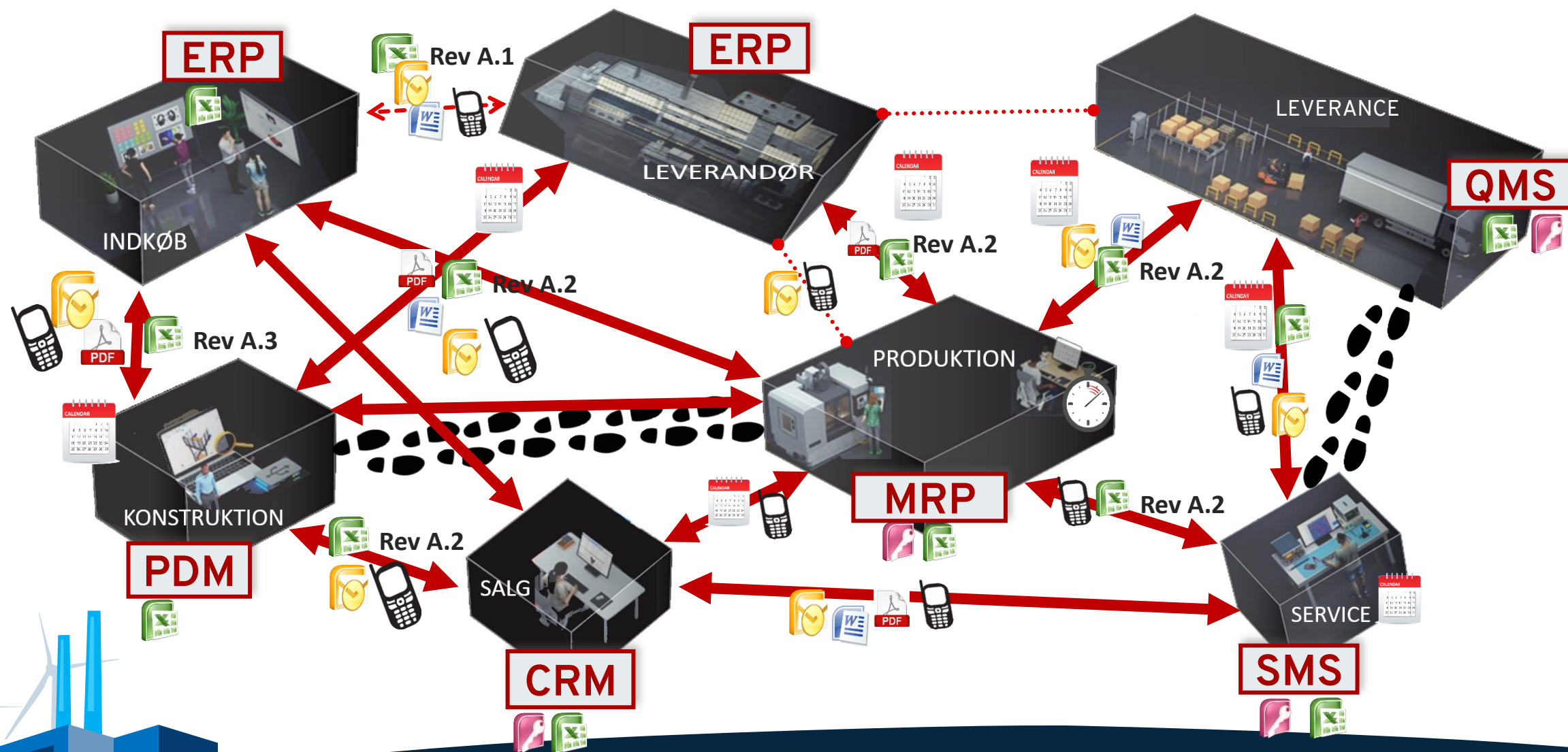


Uanset virksomhedens størrelse og nuværende tilgang, vil vores koncepttilgang tage højde for hvordan vi sammen implementerer **ny teknologi med empati for forretningen**, driften og de nye muligheder.

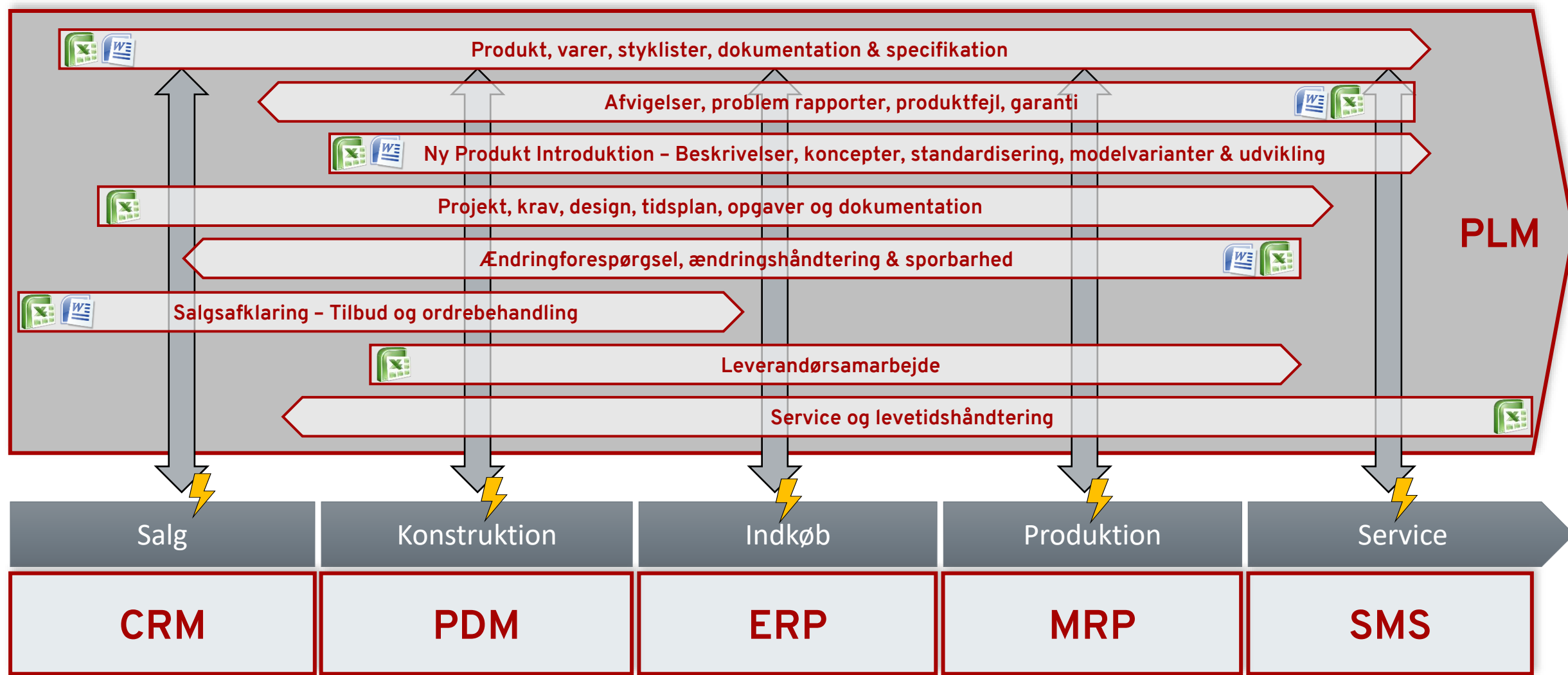




# FORSKELLIGE TYPER AF DATA-ØER



# EN MULIG INTEGRERET DATA TILGANG



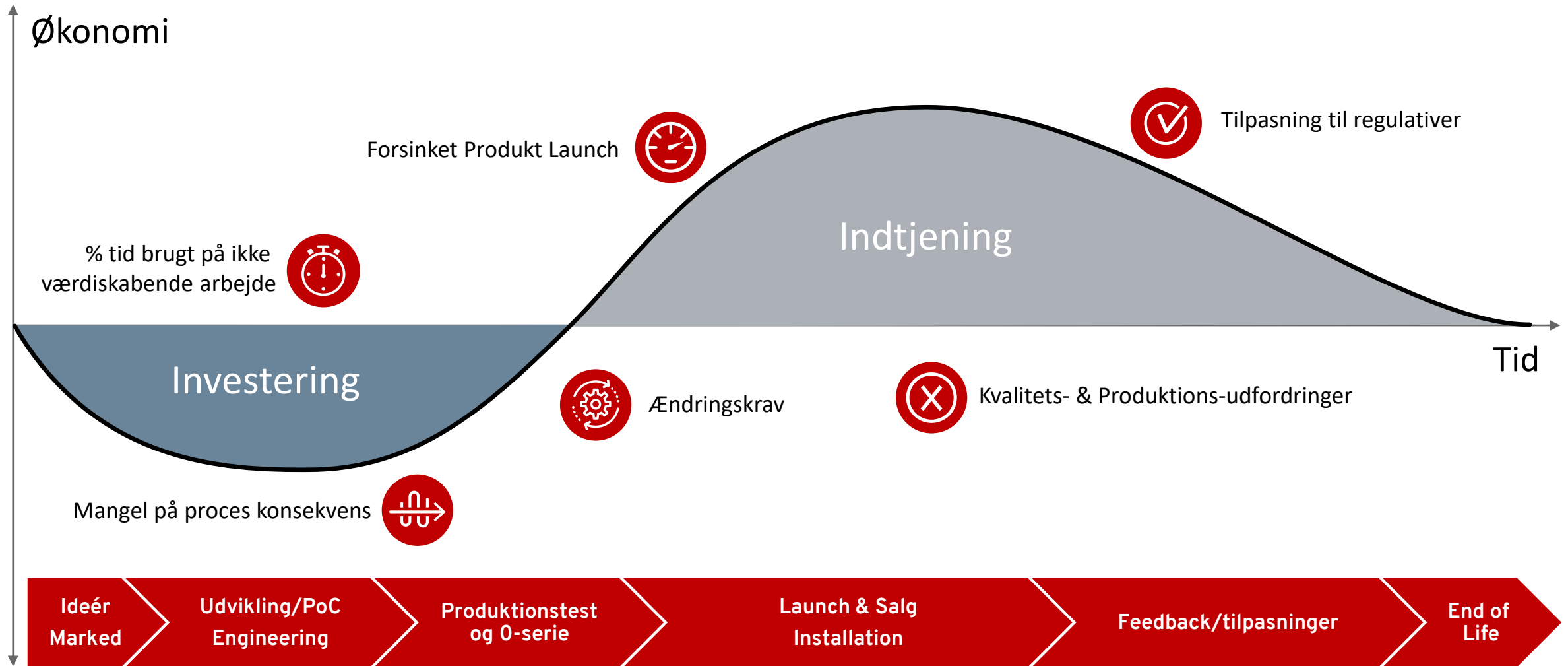
Data Standard

Data Workflow

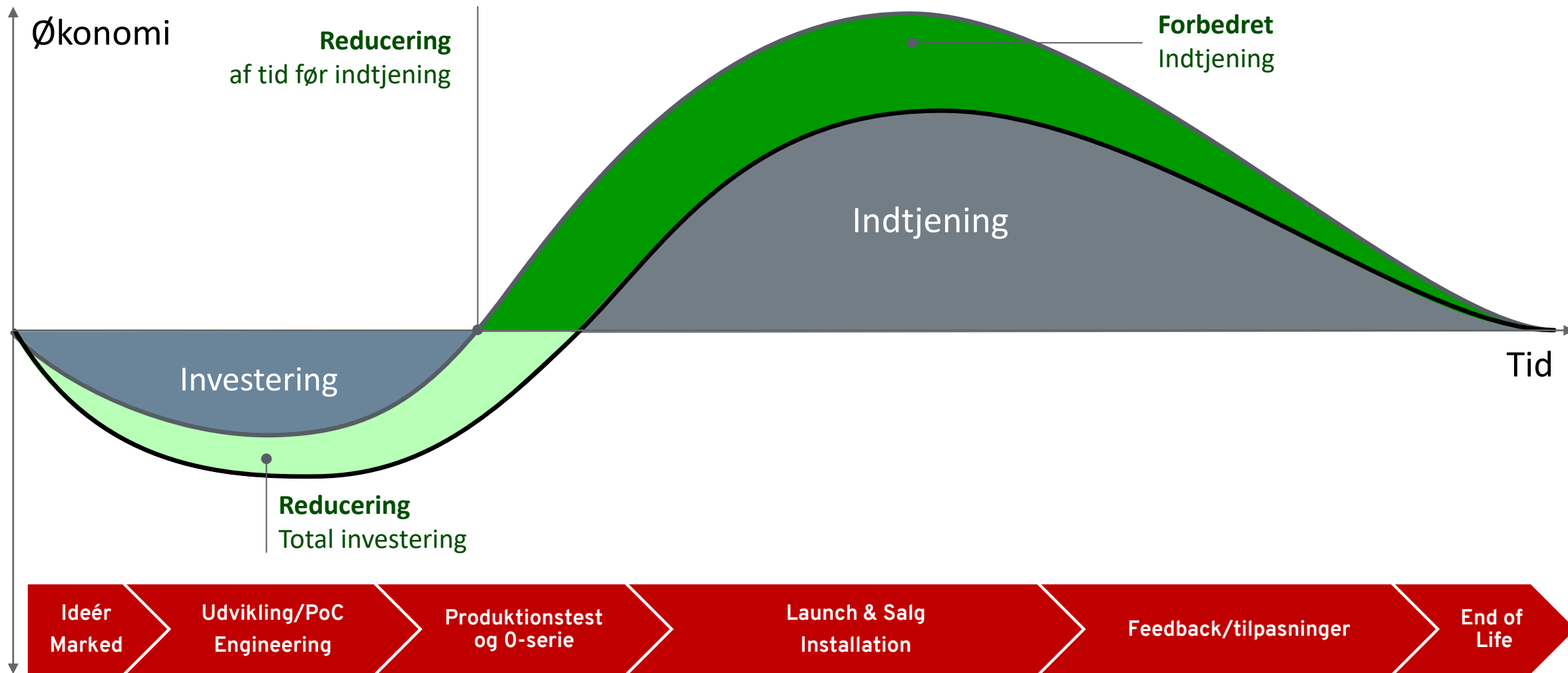
Data Automatik

Data Integration

# ØKONOMISK PRODUKT/PROJEKT LIVSCYKLUS

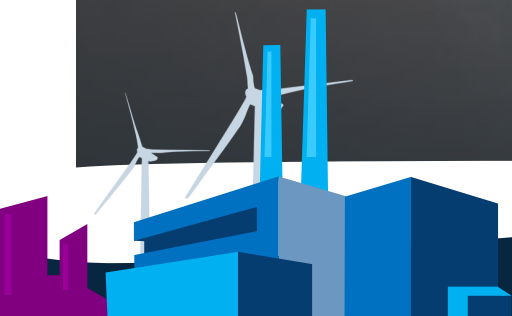


# MULIG FORTJENESTE VED FORBEDRET DIGITAL PROCES ?



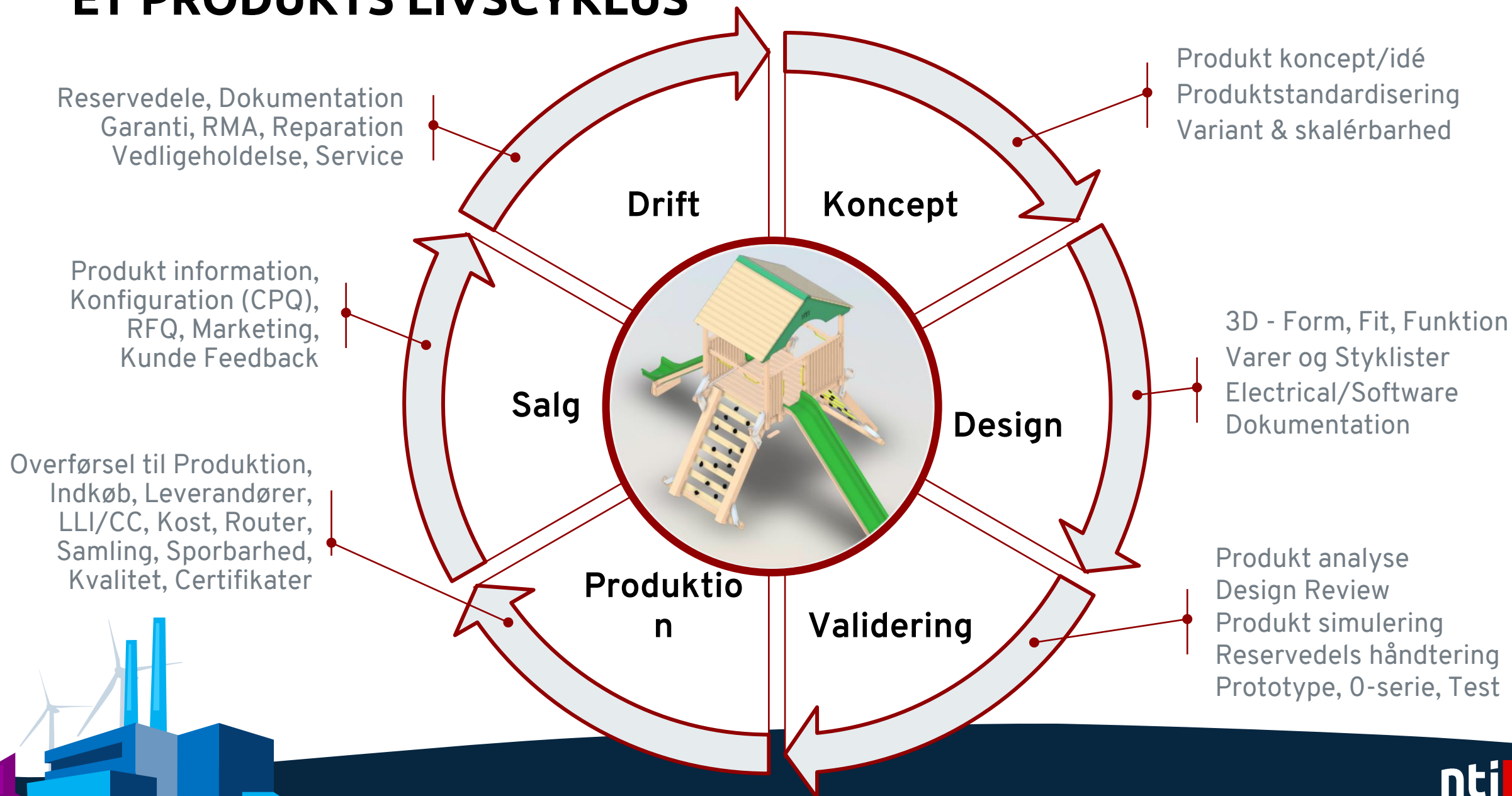
# **PRAESENTATIONS SETUP**

---

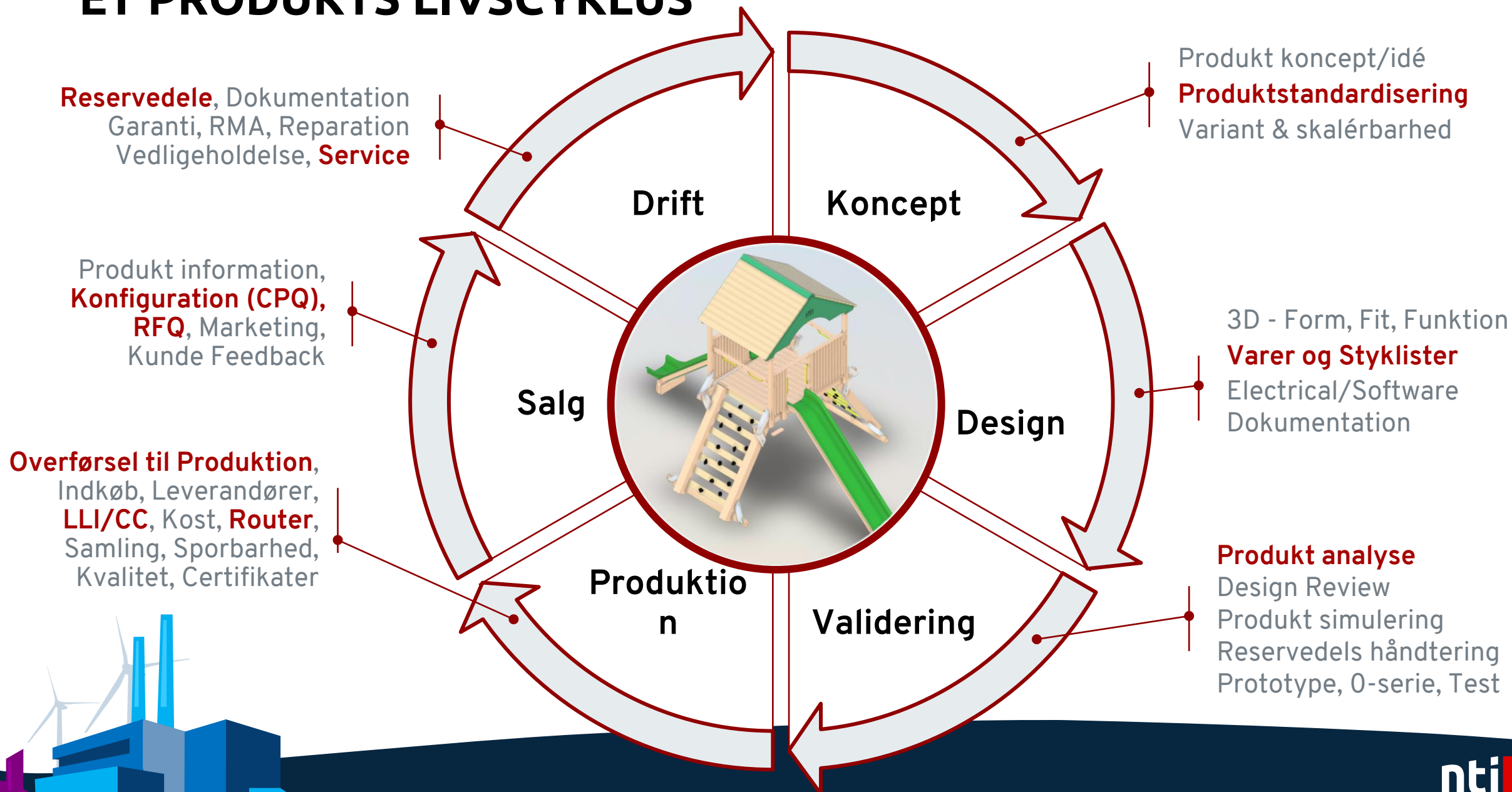




# ET PRODUKTS LIVSCYKLUS



# ET PRODUKTS LIVSCYKLUS

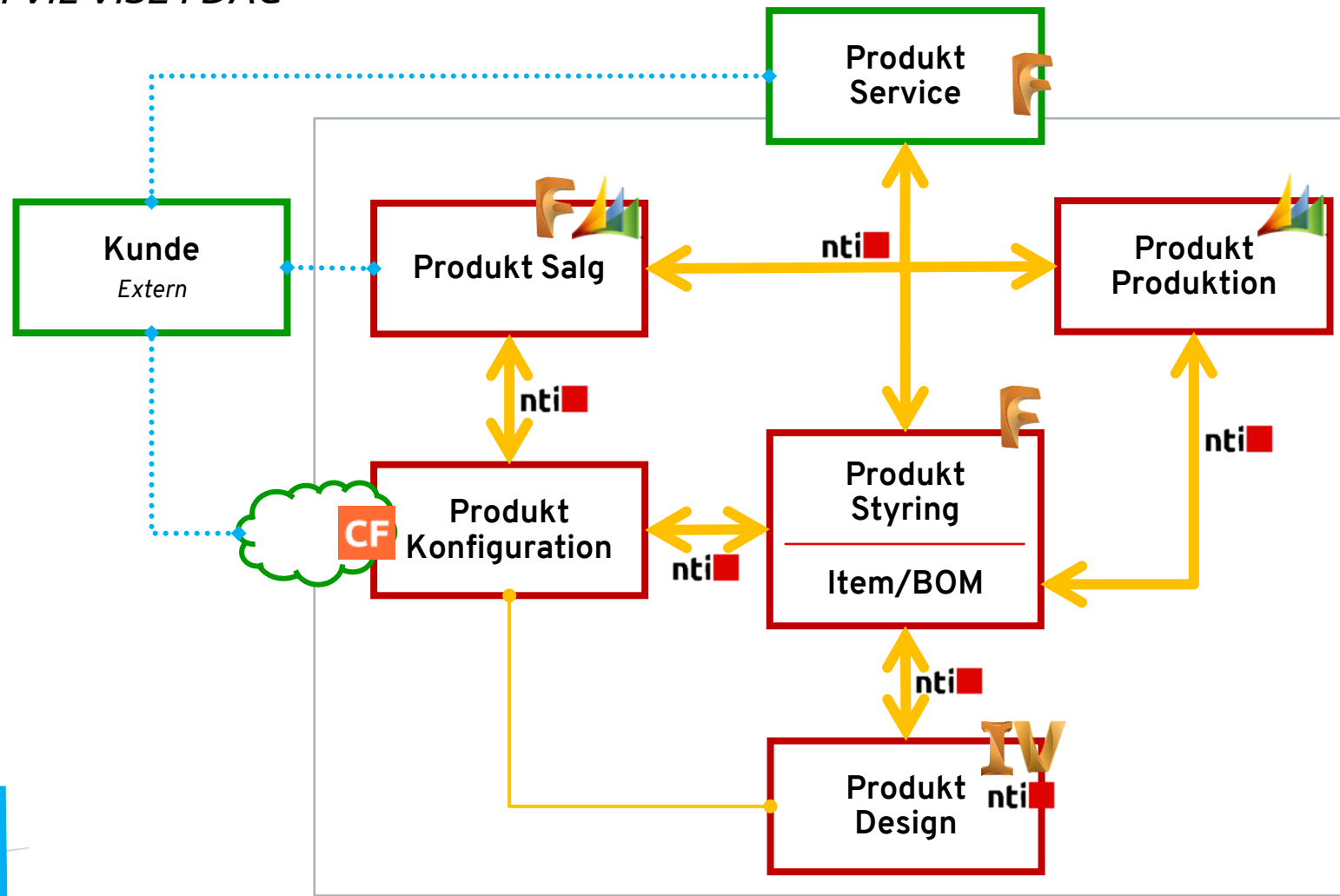


*SOM VI TYPISK SER DET*



# PRODUKT DATA SETUP

SOM VI VIL VISE I DAG



A close-up of a hand with several glowing, semi-transparent digital icons floating around it. The icons include a magnifying glass, a smartphone, a music note, a mail envelope, and a camera. The background is a soft-focus blue and white.

# PRAÆSENTATIONER

---

Data automatik & Integration





A photograph of a wooden playground structure with a slide and climbing wall, set in a park with trees and a building in the background. The text 'DATA AUTOMATIK & INTEGRATION' is overlaid in large white letters.

# DATA AUTOMATIK & INTEGRATION

---

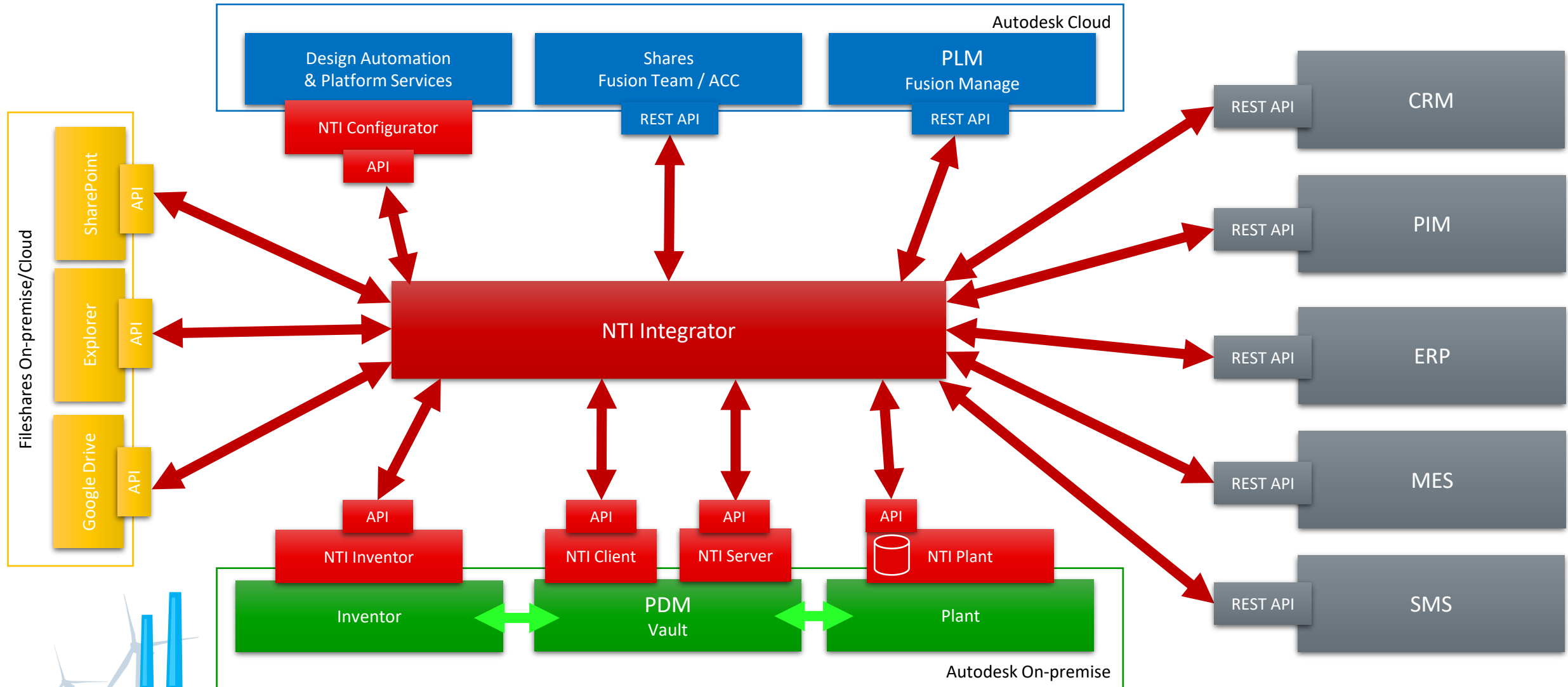
Hvordan kobles systemer sammen

nti 

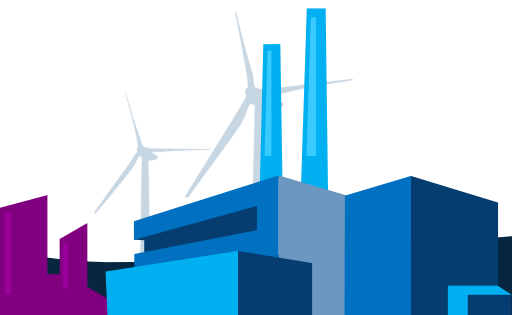
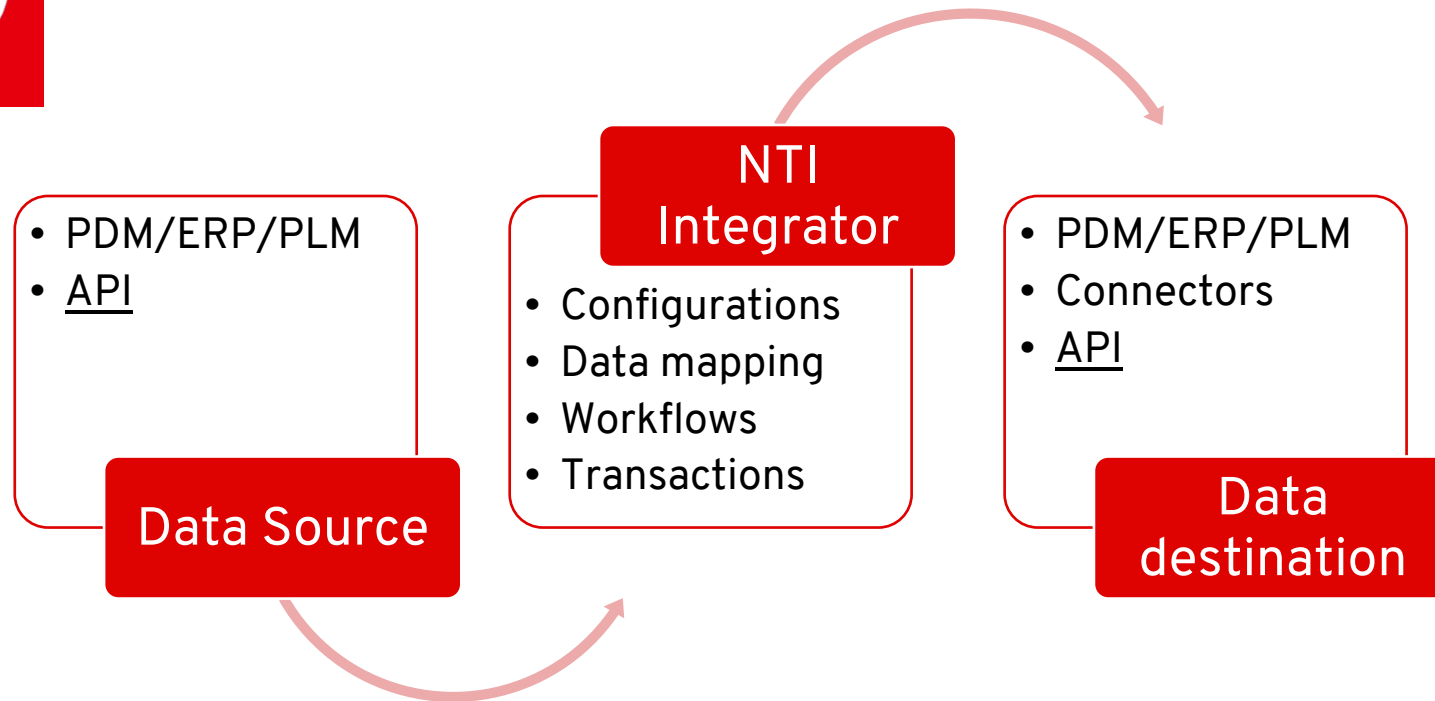
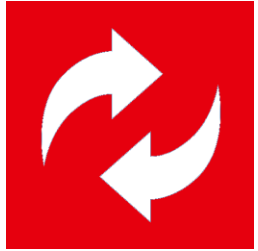
A decorative graphic in the bottom left corner featuring stylized blue and purple buildings and wind turbines.

nti 

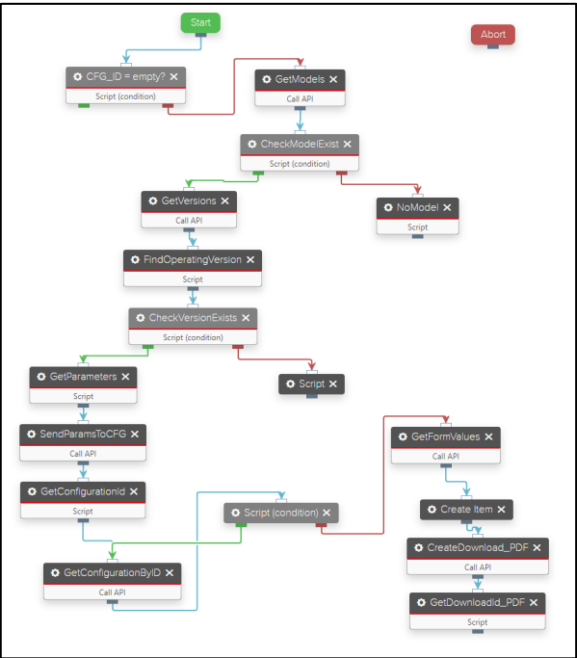
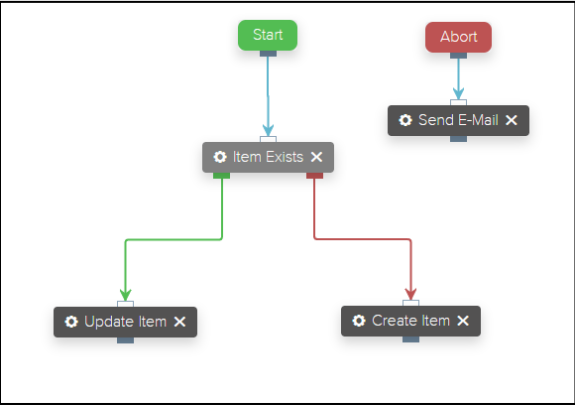
# SYSTEM INTEGRATION



# NTI INTEGRATOR - GENERELT



# NTI INTEGRATOR - GENERELT



Article Properties									
Active	Name	Datatype	Max Length	Transfer Mode	Source Property	Allow Empty	Default Value	Values	Converter
<input checked="" type="checkbox"/>	Configuration ID	String	200	Always	ConfiguratorID	<input checked="" type="checkbox"/>			JavaScript
<input checked="" type="checkbox"/>	Description	String	0	Always	Description (Item,CO)	<input checked="" type="checkbox"/>	No description		JavaScript
<input checked="" type="checkbox"/>	Number	String	200	Always	ItemNum	<input type="checkbox"/>			JavaScript
<input checked="" type="checkbox"/>	Product Category	String	0	Always	Product Category	<input checked="" type="checkbox"/>			JavaScript
<input checked="" type="checkbox"/>	Thumbnail	String	0	Always	Thumbnail	<input checked="" type="checkbox"/>			JavaScript
<input checked="" type="checkbox"/>	Title	String	0	Always	Title (Item,CO)	<input checked="" type="checkbox"/>	No title		JavaScript

Actions

API

Database

Directory

File

Global

Workflow

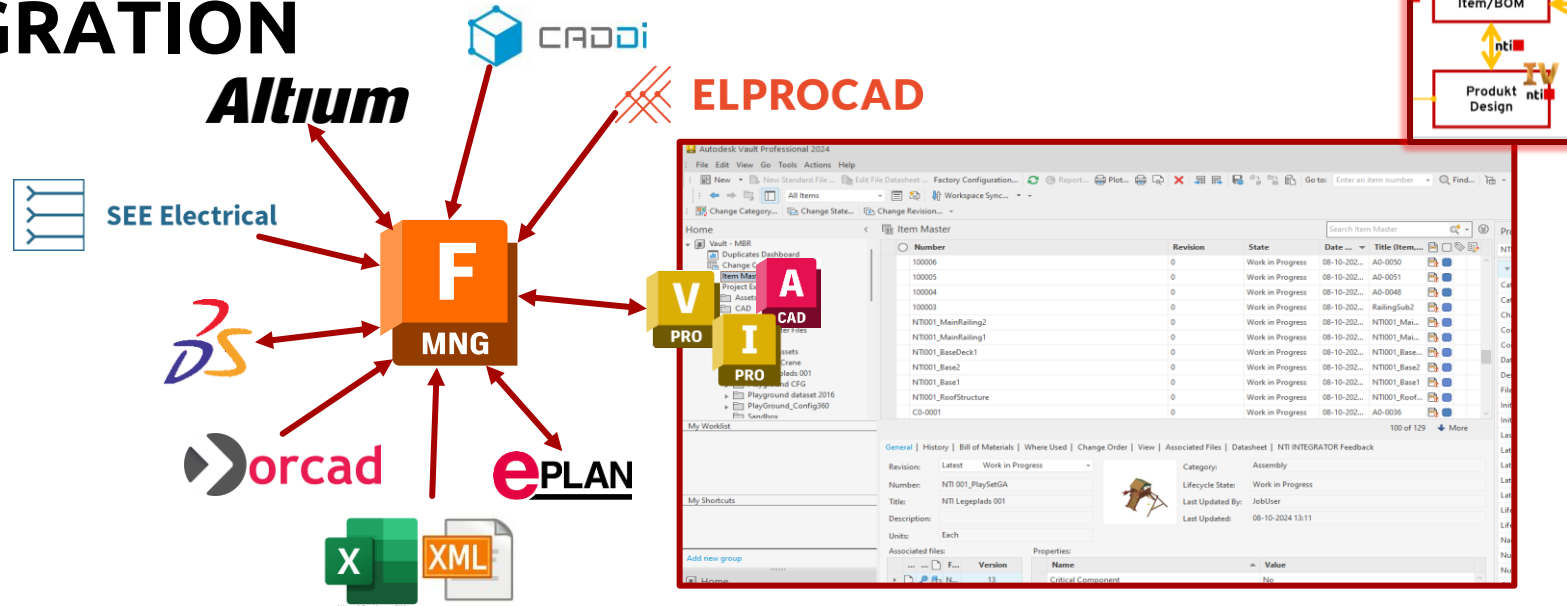
**{.js}**  
JavaScript



# EDM/PDM/PLM INTEGRATION



- Release i Design proces
- Property Data integration
- Automatisk vare-nummering
- Automatisk revisions-kontrol
- Automatisk dokument publish
- Rettigheder og adgangs-control
- .....



Relation til CAD/PDM/PLM

Automatik via  
Proces & Jobhandler

Details (2 of 7)

Filename: 001-ASY-0006 - Base Moulding Assembly (with inserts)

Unit of Measure: Each

Material: [Empty]

Weight: [Empty] (grams)

Type: ☐ Electrical ☒ Mechanical ☐ Others ☐ Packaging ☐ Software

Icon: M

Make or Buy: Select

Manufacturer P/N: 001-ASY-0006

Manufacturer: Select

Vendor: Select

Country: Select

QIPs: [Empty]

nti PLM på den nemme måde

Home > Items and BOMs

NTI 001\_PlaySetGA - - NTI Legeplads ... [REVW]

Pending Unreleased

Item Details Files (1 of 7) Bill of Materials (0) Where Used (1)

Edit

Item Details (1 of 9)

Number: NTI 001\_PlaySetGA

Title: NTI Legeplads 001

Description: No description

Image: [Image]

Product Type: [Icon]

Icon: [Icon]

Type: Packaging

Actions: [Icon]

Open in Vault: [Icon]

Service Portal: [Icon]

Vault Item Status (2 of 9)

Lifecycle Definition: [Icon]

State: [Icon]

coolOrange powerJobs Processor 23.0 for Vault 2023

File Administration Help

Job In Progress

Job Id: 802857

Job Type: Sample.TransferItemBOMs

Description: Item Transfer: M-411051

Processing Start Time: 23-01-2023 12:02:13

Processing... [Icon] [Icon] [Icon]

12:02:14: [INFO] - Registered application: Inventor

12:02:14: [INFO] - Registered application: InventorServer

12:02:14: [INFO] - Registered application: DWG TrueView

12:02:14: [INFO] - Temporary Working Directory: C:\Temp\powerJobs Processor\c0aa72d-4f71-4c6a-bd2c-08a5270b2ee7

12:02:14: [INFO] - Existing Vault connection will be reused.

12:02:15: [INFO] - Importing module: powerFLC 23.0

12:02:15: [INFO] - Starting job 'Sample.TransferItemBOMs'...

12:02:15: [INFO] - Connecting to Fusion Lifecycle.

12:02:15: [INFO] - User: 'Jesper Brandt (jpb@nti.dk)' Email: 'jpb@nti.dk'

12:02:15: [INFO] - Connected to https://ntipip.autodeskplm360.net/ - Workspace: Vault Items and BOMs

Save As Clear



Autodesk Vault Professional 2024

Morten Benner Ro...

File Edit View Go Tools Actions Help

New New Standard File ... Edit File Datasheet ... Factory Configuration... Report... Plot... Go to: Enter an item number Find... Search Help Share View Download

All Items Workspace Sync... Change Category... Change State... Change Revision...

Home

Vault - MBR

Duplicates Dashboard Change Order List Item Master Project Explorer (\$)

Assets CAD Inventor 2024 Content Center Files Designs Factory Assets Foldable Crane NTI Legeplads 001 Playground CFG Playground dataset 2016 PlayGround\_Config360 Sandbox

My Worklist

My Shortcuts

Add new group

Home Duplicates Dashboard Change Order List Item Master Project Explorer Factory Asset Factory Layout

Item Master

Search Item Master

Number	Revision	State	Date ...	Title (Item...
NTI 001_PlaySetGA	0	Work in Progress	09-10-202...	NTI Legepla...
NTI001_RoofStructure	0	Work in Progress	09-10-202...	NTI001_Roof...
NTI001_Base1	0	Work in Progress	09-10-202...	NTI001_Base1
NTI001_Base2	0	Work in Progress	09-10-202...	NTI001_Base2
NTI001_BaseDeck1	0	Work in Progress	09-10-202...	NTI001_Base...
NTI001_MainRailing1	0	Work in Progress	09-10-202...	NTI001_Mai...
NTI001_MainRailing2	0	Work in Progress	09-10-202...	NTI001_Mai...
A0-0002P1	0	Work in Progress	09-10-202...	0002P1
A0-0005P1	0	Work in Progress	09-10-202...	0005P1
C0-0001	0	Work in Progress	09-10-202...	A0-0036
A0-0046	0	Work in Progress	09-10-202...	A0-0054
Railing1	0	Work in Progress	09-10-202...	RailingSub1
SwingAFrame	0	Work in Progress	09-10-202...	SwingAFrame
100003	0	Work in Progress	09-10-202...	RailingSub2
SwinnsetEndBracket	0	Work in Progress	09-10-202...	SwinnsetEnd...

100 of 129 More

General History Bill of Materials Where Used Change Order View Associated Files Datasheet NTI INTEGRATOR Feedback

Revision: Latest Work in Progress

Number: NTI 001\_PlaySetGA

Title: NTI Legeplads 001

Description:

Units: Each

Category: Assembly

Lifecycle State: Work in Progress

Last Updated By: MBR

Last Updated: 09-10-2024 05:11

Associated files:

F...	Version
N...	2
N...	14
N...	12

Properties:

Name	Value
Critical Component	No
Document Sub Type	{E60F81E1-49B3-11D0-93C3-7E0706000000}
Document Sub Type Name	Assembly
Equivalence Value	NTI 001_PlaySetGA
Estimated price	2583
Fusion DMSID	

Properties

NTI 001\_PlaySetGA

System

Category Name	Assembly
Category Name (Historical)	Assembly
Change Order State	
Comment	
Controlled By Change Order	False
Date Modified	09-10-2024 05:11
Description (Item,CO)	
File Link State	Current
Initial Approver	
Initial Release Date	
Last Updated By	MBR
Latest Approver	
Latest Released Date	
Latest Released Revision	False
Latest Version	True
Lifecycle Definition	NTI Item Release Process
Lifecycle Definition (Historical)	NTI Item Release Process
Name	NTI 001_PlaySetGA
Number	NTI 001_PlaySetGA
Number of Attachments	1
Obsolete	False
Original Create Date	08-10-2024 12:52
Originator	MBR
Property Compliance	Compliant
Property Compliance (Historical)	Compliant
Provider	Inventor
Released Revision	False

Produkt Styling Item/BOM Produkt Design

Inventor/Vault til PLM

100 of 129 Items (1 selected)

https://cf-dam-po-01.nti-ops.com Vault MBR

# VARER & STYKLISTER

---

nti

nti

# MECHATRONIC STYKLISTE TILGANG

Produkt



# VARE/STYKLISTE HÅNDTERING

#	Descriptor	Rev	Lifecycle	Status	Quantity	Make or Buy
0.0	699-00001 - SUB-BOM FINISHED ASSY GT 220 [REV.A]	A	3	Production	0.0	
1.1	690-00001 - SUB-BOM PCB A 9085 [REV.A]	A	6	Production	1.0	
1.2	680-00001 - SUB-BOM Thermal Mechanical [REV.A]	A	3	Production	1.0	Make
2.1	095-00001 - FANSINK 100 x 50 mm 41 Fins Centrifugal 2500 RPM [REV.A]	A	4	Production	1.0	Buy
2.2	367-00003 - ENCLOSURE Injection Molded PC Black Raw Gloss [REV.A]	A	2	Production	1.0	Buy
2.3	155-00120 - SCREW 4-40 x 0.375 in Long Phillips Low-Profile Steel Chrome Plated [REV.A]	A	3	Production	4.0	Buy
2.4	285-00001 - THERM INTF MATL 8x4 mm 1mm Thk 1.2W/mK [REV.B]	B	1	Production	8.0	Buy
2.5	151-00001 - BRACKET Single DVI-D / DVI-D Moon Gray Anodized [REV.B]	B	2	Production	1.0	Buy
1.3	640-00001 - SUB-BOM PACKAGING Retail GT 220 [REV.A]	A	1	Production	1.0	
2.1	175-00001 - BOX RETAIL GT 220 250 x 100 x 50 mm [REV.A]	A	1	Production	1.0	
2.2	171-00002 - BAG ESD 240 x 90 mm [REV.A]	A	1	Production	1.0	
1.4	630-00001 - SUB-BOM SOFTWARE [REV.A]	A	1	Production	1.0	
2.1	621-00001 - BIOS 1.2.1 Production [REV.A]	A	1	Production	1.0	
2.2	138-00001 - 1025V2 741 6A WHOLE [REV.A]	A	1	Production	1.0	

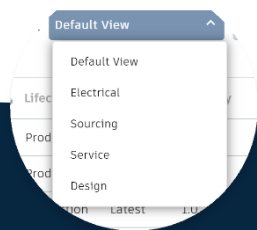
## Vi viser

- Vare- og stykliste processer
- Sporbarhed i BOM strukturen
- Konfigurerbare listervisninger
- Vare/komponent klassificering
- Integreret visualisering
- Revisionseffektivitet
- .....

## Let sammenligning af flere BOM

Comparing: 680-00001 - SUB-BOM Thermal Mechan... revision: Working Against: 680-00001 - SUB-BOM Thermal Mechan... revision: A									
Descriptor		Rev	Lifecycle	Status	Make or Buy	MFR1	MPN1	MPN Cost 1 [\$]	Quantity
0.0	680-00001 - SUB-BOM Thermal Mechanical [REV.w]	Wor...	Working		Make				0.0
	680-00001 - SUB-BOM Thermal Mechanical [REV.A]	A	Production						
1.1	095-00001 - FANSINK 100 x 50 mm 41 Fins Centrifugal 2500 RPM [REV.w]	Wor...	Working	Working	Buy	Coolermaster	DCV19484	2.6500	1.0
	095-00001 - FANSINK 100 x 50 mm 41 Fins Centrifugal 2500 RPM [REV.A]	A	Production	latest					
1.2	367-00003 - ENCLOSURE Injection Molded PC Black Raw Gloss [REV.w]	Wor...	Working	Unreleased		Coolermaster	DCV19486	0.4500	1.0
1.2	367-00003 - ENCLOSURE Injection Molded PC Black Raw Gloss [REV.A]	A	Production	latest	Buy	Coolermaster	DCV19485	0.4500	1.0
1.3	155-00120 - SCREW 4-40 x 0.375 in Long Phillips Low-Profile Steel Chrome Plated [REV.A]	A	Production	Latest	Buy	Pencom	0143900	0.0250	4.0
1.4	285-00001 - THERM INTF MATL 8x4 mm 1mm Thk 1.2W/mK [REV.B]	B	Production	Latest	Buy	Laird Technologies	A14162-25	0.0250	8.0
1.5	151-00001 - BRACKET Single DVI-D / DVI-D Moon Gray Anodized [REV.w]	Wor...	Working	Working	Buy	Pencom	PBR098765	0.2050	1.0
	151-00001 - BRACKET Single DVI-D / DVI-D Moon Gray Anodized [REV.B]	B	Production	latest					

## Rolle-baseret BOM visning





nti

PLM på den nemme måde

Search for...

☒ Only in this workspace

Home > Items and BOMs

My Default View (1273)

Icon Lifecycle Component Cl...

Item Descriptor	Icon	Lifecycle	Component Cl...
000014 --	?	Unreleased	CC LLI SP WP
001-ASY-0001 -- EMBER Printer	M	Unreleased	CC LLI SP WP
001-ASY-0002 -- Resin Tray Assembly	O	Unreleased	CC LLI SP WP
001-ASY-0004 -- Assembled Printer	O	Unreleased	CC LLI SP WP
001-ASY-0005 -- Base Sub Assembly	O	Unreleased	CC LLI SP WP
001-ASY-0006 -- Base Moulding Ass...	O	Unreleased	CC LLI SP WP
001-ASY-0007 -- Fan assembly, LH	O	Unreleased	CC LLI SP WP
001-ASY-0008 -- Fan assembly, RH	O	Unreleased	CC LLI SP WP
001-ASY-0010 -- Isaac Back Panel P...	O	Unreleased	CC LLI SP WP
001-ASY-0011 -- Isaac Control Panel...	O	Unreleased	CC LLI SP WP
001-ASY-0012 -- Isaac UI PCBA asse...	O	Unreleased	CC LLI SP WP
001-ASY-0013 -- Projector Mount As...	O	Unreleased	CC LLI SP WP
001-ASY-0015 -- Central Moulding a...	O	Unreleased	CC LLI SP WP
001-ASY-0016 -- Central Moulding ...	O	Unreleased	CC LLI SP WP
001-ASY-0017 -- Stepper Motor with...	O	Unreleased	CC LLI SP WP
001-ASY-0018 -- Stepper Motor wit...	O	Unreleased	CC LLI SP WP
001-ASY-0019 -- Optical Endstop PC...	O	Unreleased	CC LLI SP WP
001-ASY-0020 -- Build Arm Subasse...	O	Unreleased	CC LLI SP WP
001-ASY-0021 -- Top Cabinet Sub-As...	O	Unreleased	CC LLI SP WP
001-ASY-0022 -- Vat Support Plate ...	O	Unreleased	CC LLI SP WP
001-ASY-0023 -- Middle Plate Asse...	O	Unreleased	CC LLI SP WP

150 out of 1273 total records in this view being displayed

Home > Items and BOMs

001-ASY-0001 -- EMBE...

[REV:w] ☆ ⋮ ^ v

Pending Unreleased

Item Details

Files (0)

Bill of Materials (12)

Where Used (1)

More +

Edit

Item Details (1 of 9)

Number 001-ASY-0001

Title EMBER Printer

Description Top level printer in packaging

Image

Product Type

Icon M

Type Software

Actions

Open in Vault

Vault Item Status (2 of 9)

Component Details (3 of 9)

Filename 001-ASY-0001 - EMBER Printer

Unit of Measure Each

Material

Weight

Classification

Make or Buy Buy

Vault Client Link

Vault Thin Client Link

Item / BOM

Produkt Styling

Item/BOM





# DO-1249 - - RoofCap [REV:w] ▾

⌚ Pending | 📦 Unreleased

Item Details Files (0 | 1) Bill of Materials

Edit

## Item Details (1 of 9)

Number DO-1249  
Title RoofCap  
Description ROOFCAP  
Image

Product Type  
Icon ?  
Type  
Actions  
Open in Vault

## Vault Item Status (2 of 9)

## Component Details (3 of 9)

Filename DO-1249 - RoofCap  
Unit of Measure Each  
Material  
Weight  
Classification

☆ 🖨️ ⋮ ⏪ ⏩ ⏴ ⏵

Relationships (0) More +

QR-000003 - release

Managed Item

Item DO-1249 - - RoofCap [REV:w]

Lifecycle

Please select ▾

Effectivity

Please select

From

Initial Design Revision

To

Bypass Design and Release

Comments

Cancel

Save & View ▾

## NTI 001\_PlaySetGA - - NTI Legeplads 001 [REV:w] v



Pending | Unreleased

Item Details

Files (1 | 7)

Bill of Materials (6)

Where Used (1)

Critical Components (5)

Related Changes (0)

Relationships (0)

More +

Edit

Add

Remove



Views: Sourcing v



Sourcing as of Today using the Working Revisions configuration

	#	Descriptor	Quantity	Revision	Icon		Lifecycle		Status	Component Class
<input type="checkbox"/>	0.0	NTI 001_PlaySetGA - - NTI Lege...		Working	PG	1	Working			CC LLI SP WP
<input type="checkbox"/>	> 1.1	NTI001_Base1 - - NTI001_Base1...	1.0	Working	E/E	1	Working		Unreleased	CC LLI SP WP
<input type="checkbox"/>	> 1.2	NTI001_BaseDeck1 - - NTI001_...	1.0	Working	?	1	Working		Working	CC LLI SP WP
<input type="checkbox"/>	> 1.3	NTI001_MainRailing1 - - NTI00...	1.0	Working	M	1	Working		Unreleased	CC LLI SP WP
<input type="checkbox"/>	> 1.4	NTI001_RoofStructure - - NTIO...	1.0	Working	M	1	Working		Unreleased	CC LLI SP WP
<input type="checkbox"/>	> 1.5	NTI001_Base2 - - NTI001_Base...	1.0	Working	?	1	Working		Unreleased	CC LLI SP WP
<input type="checkbox"/>	> 1.6	NTI001_MainRailing2 - - NTIOO...	1.0	Working	?	1	Working		Unreleased	CC LLI SP WP

BOM - Compare

# PRODUKTER

---

nti

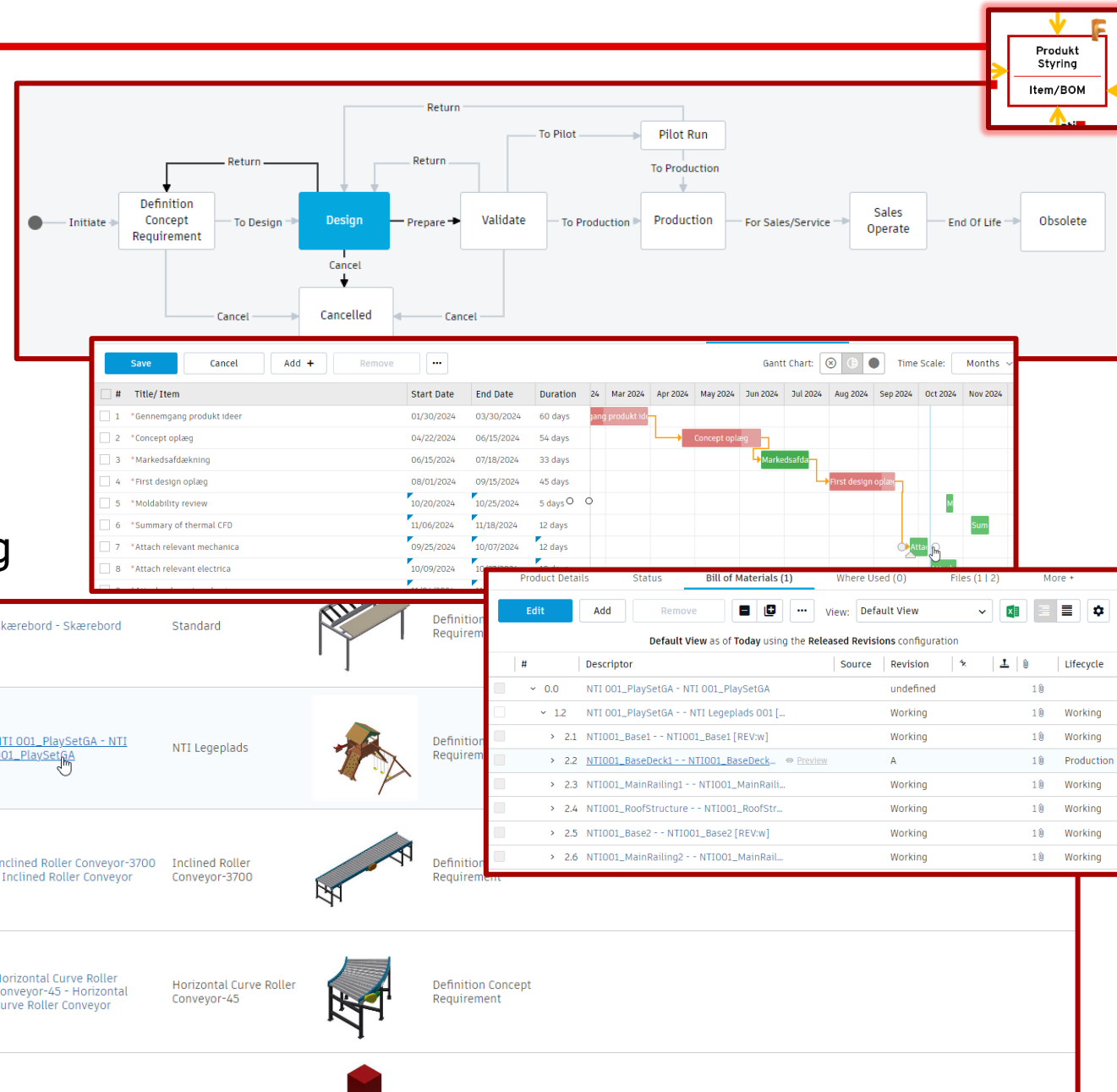
nti



# PRODUKT HÅNDTERING

## Vi viser

- Konfigurerbare gates & godkendelser
- Opgavestyring
- Produktspecifikke metadata og BOM
- Status i realtid, dashboards og rapportering
- Dokumentation
- Relaterede produkter
- Kritiske produktkomponenter
- Reference til idéer/ændringer osv...
- .....



Produkt Styling

---

Item/BOM

F

## Produkt håndtering (NPI/NPD)



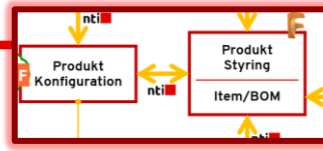
# PRODUKT STANDARDISERING

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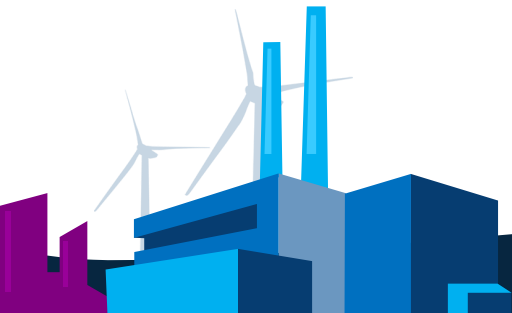
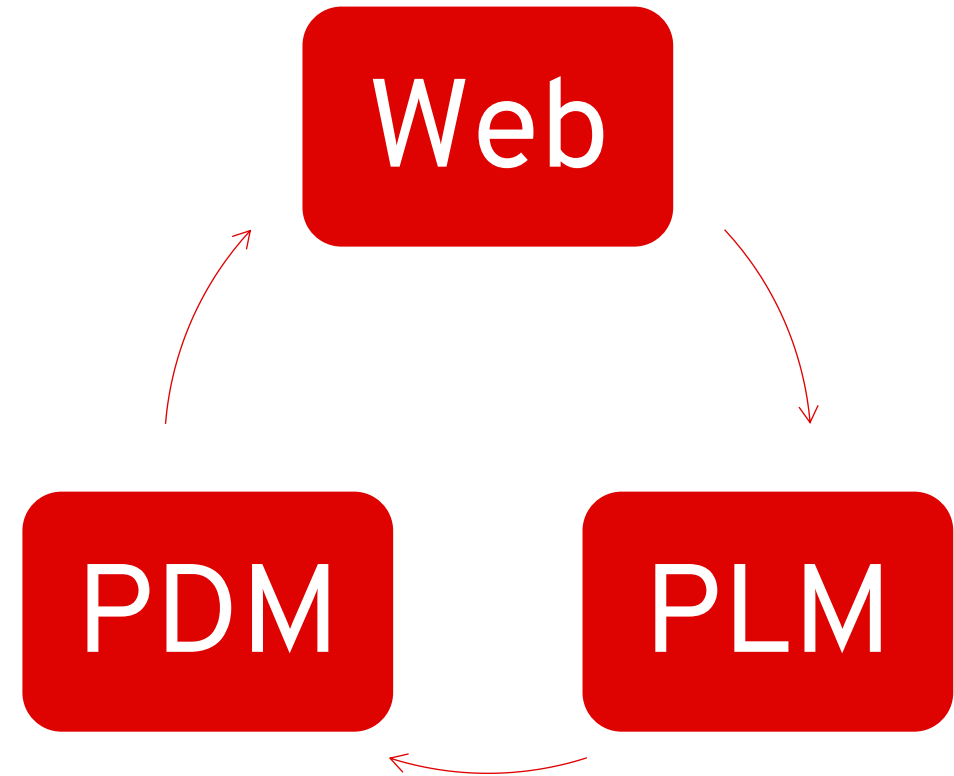
nti

# PRODUCT MASTER



## Vi viser

- Standard
- Variant
- Special
- Sammenhæng mellem Master og Variant produkter



# PRODUKT MASTERS



Front Side  
Climbing Bars

Left Side  
No Slide

Right Side  
Swing Set

Bottom Side  
Climbing Bars

Slide Color  
Red

Swing Set Dimension  
25

Swing Set Configuration  
2 Station

Estimated Price  
0



NTI Playground

Front Side: Rock Wall, Left Side: Slide

Bottom Side: Rock Wall, Right Side: Swing Set

Slide Color: Red, Swing Set Dimension: 25 ul

Swing Set Configuration: 2 Station

Parts Information

Done



Home > Product Configuration

### NTI Playground - Master - 001

Defining Workflow actions Revert workflow action

Details Parameters (7) Files (0) Status Job Queue (0) Bill of Materials (0)

Edit Add Remove

Parameter OK	Parameter	Vote	Parameter name	Parameter value
<input type="checkbox"/>			Front Side	Climbing Bars
<input type="checkbox"/>			Left Side	No Slide
<input type="checkbox"/>			Right Side	Swing Set
<input type="checkbox"/>			Bottom Side	Climbing Bars
<input type="checkbox"/>			Slide Color	Red
<input type="checkbox"/>			Swing Set Dimension	25
<input type="checkbox"/>			Swing Set Configuration	2 Station

nti

PLM på den nemme måde

Search for...

☒ Only in this workspace

Produkt Styling

Item/BOM

Home > Product Configuration

NTI Playground - Master - 001

Defining

Workflow actions

Revert workflow action

Details

Parameters (7)

Files (0)

Status

Job Queue (0)

Bill of Materials (0)

Where Used (0)

Configured items (0)

Save

Cancel

Add

Remove

	Parameter OK	Parameter Note	Parameter name	Parameter value	PickList values	Formula driven	Formula	Range_Low	Range_High	Product
<input type="checkbox"/>	<input checked="" type="checkbox"/>		* Front Side	Climbing Bars	<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>		* Left Side	No Slide	<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>		* Right Side	Swing Set	<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>		* Bottom Side	Climbing Bars	<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>		* Slide Color	Red	<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>		* Swing Set Dimension	25	<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>		* Swing Set Configuration	<input type="text" value="p Station"/>	<input type="checkbox"/>	<input type="checkbox"/>				

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Fusion Manage

Product Master PLM

# PRODUKT SALG

C<sub>ONFIGURE</sub> P<sub>RICE</sub> Q<sub>UOTE</sub>

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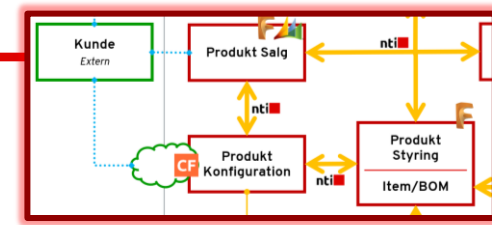
nti



# PRODUKT KONFIGURATION

## Vi viser

- Online WEB configuration
- Salgs RFQ, med process og indlejret konfigurator
- Produktoprettelse med BOM / Priser





- Front Side
- Climbing Bars
- Left Side
- Slide
- Right Side
- Swing Set
- Bottom Side
- Climbing Bars
- Slide Color
- Blue
- Swing Set Dimension
- 25
- Swing Set Configuration
- 3 Station
- Estimated Price
- 14550



REFRESH REQUIRED

3D VIEW BOM DRAWINGS





# PRODUKT REVIEW

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# PRODUKT REVIEW



## Vi viser

- Produkt i online review portal
- BOM / Komponenter / Materialer
- 3D overblik / Dashboard
- Dokumentation
- Status

The screenshot displays the 'Product Data Explorer' interface for the product 'NTI 001\_PlaySetGA - NTI 001\_PlaySetGA'. The interface is divided into two main sections: a 'Dashboard' on the left and a 'Bill of Materials' (BOM) tree on the right.

**Dashboard:**

- Item Lifecycle:** Working (61), Production (10).
- Pending Change:** Yes (0), No (71).
- Change Orders:** 71.
- Revision:** WIP (61), A (10).
- Total Cost:** 71.

**Bill of Materials (BOM) Tree:**

- 1.2 NTI 001\_PlaySetGA - NTI Legeplads 001 [REV.w]
  - 2.1 NTI001\_Basel - NTI001\_Basel [REV.w]
    - 3.1 A0-0011 - A0-0011 [REV.w]
    - 3.2 A0-0016 - A0-0016 [REV.w]
    - 3.3 A0-6712 - Rock1 [REV.w]
    - 3.4 A0-6713 - Rock2 [REV.w]
    - 3.5 A0-0038 - A0-0038 [REV.w]
    - 3.6 A0-0005P1 - 0005P1 [REV.w]
    - 3.7 A0-0007 - A0-0007 [REV.w]
    - 3.8 A0-0002P1 - 0002P1 [REV.w]
  - 2.2 NTI001\_MainRailing1 - NTI001\_MainRailing1 [REV.w]
    - 3.1 Railing1 - RailingSub1 [REV.w]
      - 4.1 A0-0018 - A0-0018 [REV.w]
      - 4.2 A0-0020 - A0-0020 [REV.w]
      - 4.3 100009 - A0-0009 [REV.w]
    - 3.2 B0-0009 - A0-0029 [REV.w]
  - 3.3 SlideAssembly - SlideAssembly [REV.w]
    - 4.1 XCC245-RED - Slide1 [REV.w]
    - 4.2 A0-0040 - A0-0040 [REV.w]
    - 4.3 A0-0041 - A0-0041 [REV.w]
    - 4.4 A0-0042 - A0-0042 [REV.w]
    - 4.5 A0-0043 - A0-0043 [REV.w]
    - 4.6 A0-0037 - HandBar [REV.w]

Below the BOM tree, there is a 3D model of a wooden playset with a slide and a swing. Below the 3D model is a toolbar with various icons for viewing and interacting with the model.

Dashboard

Item Lifecycle

Working

61

Production

10

Pending Change

Yes

0

No

71

Change Orders

Revision

WIP

61

A

10

Total Cost

71

Bill of Materials

1.2 NTI 001\_PlaySetGA - NTI Legeplads 001 [REV:w]

2.1 NTI001\_Base1 - NTI001\_Base1 [REV:w]

3.1 A0-0011 - A0-0011 [REV:w]

3.2 A0-0016 - A0-0016 [REV:w]

3.3 A0-6712 - Rock1 [REV:w]

3.4 A0-6713 - Rock2 [REV:w]

3.5 A0-0038 - A0-0038 [REV:w]

3.6 A0-0005P1 - 0005P1 [REV:w]

3.7 A0-0007 - A0-0007 [REV:w]

3.8 A0-0002P1 - 0002P1 [REV:w]

2.2 NTI001\_MainRailing1 - NTI001\_MainRailing1 [REV:w]

3.1 Railing1 - RailingSub1 [REV:w]

4.1 A0-0018 - A0-0018 [REV:w]

4.2 A0-0020 - A0-0020 [REV:w]

4.3 100009 - A0-0009 [REV:w]

3.2 B0-0009 - A0-0029 [REV:w]

3.3 SlideAssembly - SlideAssembly [REV:w]

4.1 XCC245-RED - Slide1 [REV:w]

4.2 A0-0040 - A0-0040 [REV:w]

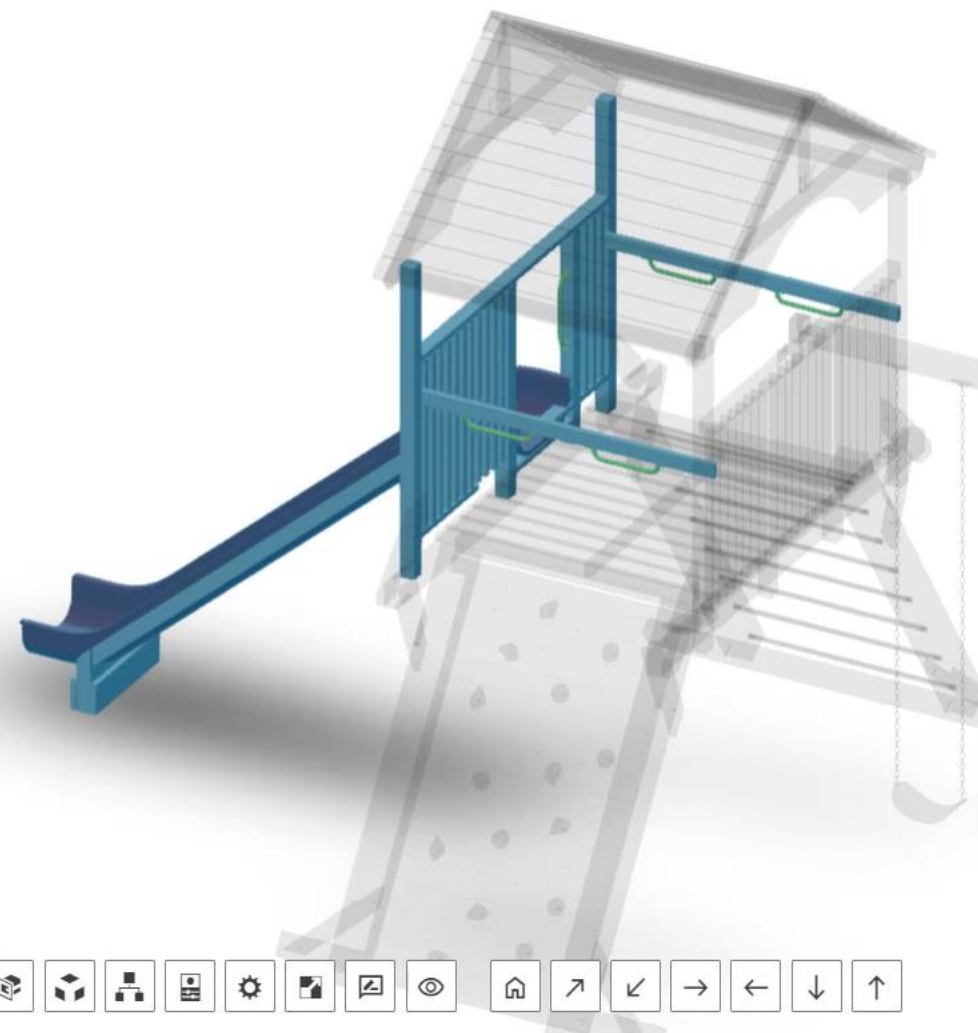
4.3 A0-0041 - A0-0041 [REV:w]

4.4 A0-0042 - A0-0042 [REV:w]

4.5 A0-0043 - A0-0043 [REV:w]

4.6 A0-0037 - HandBar [REV:w]

3.4 A0-0046 - A0-0054 [REV:w]

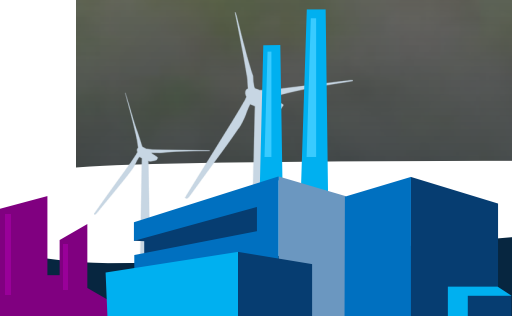




# AFLEVÉR PRODUKTIONS DATA

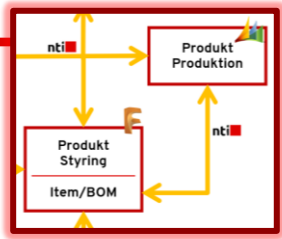
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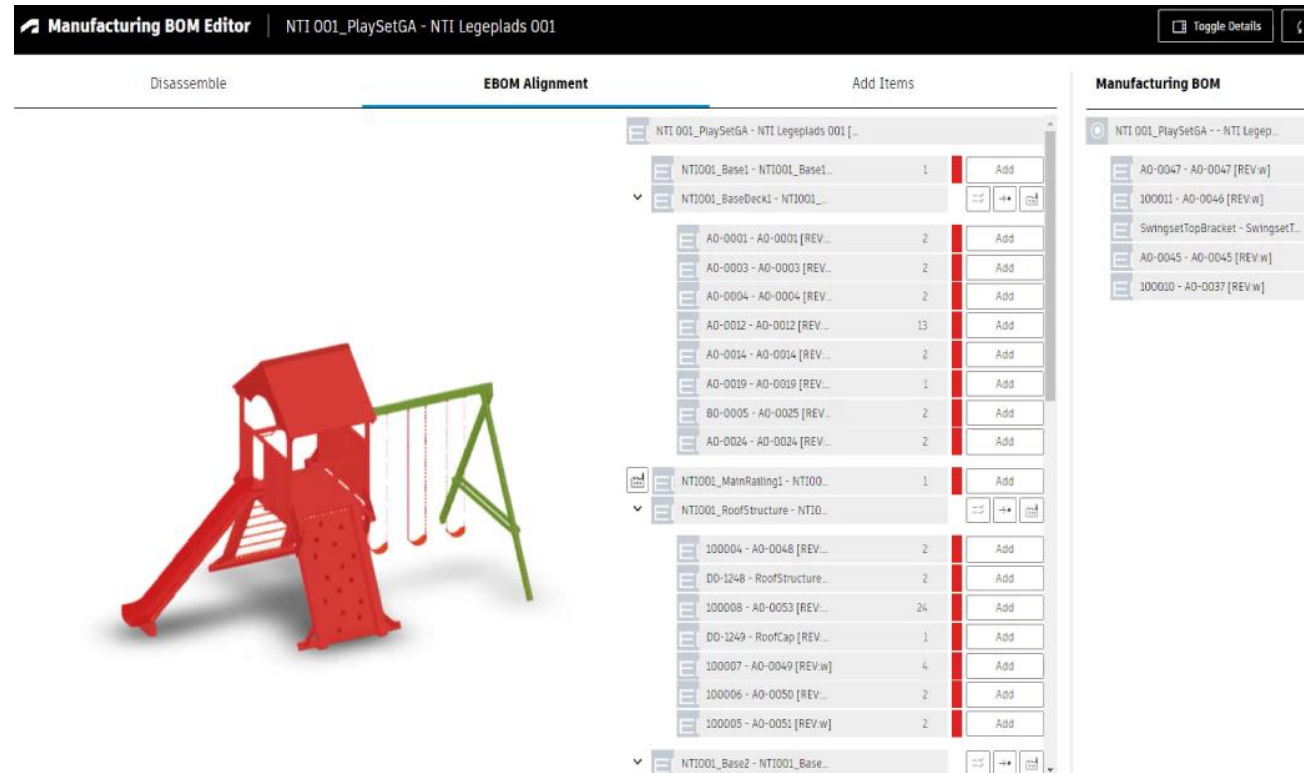
nti

# PRODUKT DATA/BOM TIL PRODUKTION



## Vi viser

- Produkt BOM/Varer Struktur
- Produktions BOM Struktur
- Operation Rute håndtering
- 3D overblik / Dashboard
- Dokumentation
- Status



Manufacturing BOM Editor | NTI 001\_PlaySetGA - NTI Legeplads 001

Disassemble | **EBOM Alignment** | Add Items

Manufacturing BOM

- NTI 001\_PlaySetGA - NTI Legeplads 001
  - NTI001\_Base1 - NTI001\_Base1... 1 Add
  - NTI001\_BaseDeck1 - NTI001\_...
    - AO-0001 - AO-0001 [REV...] 2 Add
    - AO-0003 - AO-0003 [REV...] 2 Add
    - AO-0004 - AO-0004 [REV...] 2 Add
    - AO-0012 - AO-0012 [REV...] 13 Add
    - AO-0014 - AO-0014 [REV...] 2 Add
    - AO-0019 - AO-0019 [REV...] 1 Add
    - BO-0005 - AO-0025 [REV...] 2 Add
    - AO-0024 - AO-0024 [REV...] 2 Add
  - NTI001\_MainRattling1 - NTI00... 1 Add
  - NTI001\_RoofStructure - NTI0...
    - 100004 - AO-0048 [REV...] 2 Add
    - DO-1248 - RoofStructure... 2 Add
    - 100008 - AO-0053 [REV...] 24 Add
    - DO-1249 - RoofCap [REV...] 1 Add
    - 100007 - AO-0049 [REV w] 4 Add
    - 100006 - AO-0050 [REV...] 2 Add
    - 100005 - AO-0051 [REV w] 2 Add
  - NTI001\_Base2 - NTI001\_Base... Add

Disassemble

EBOM Alignment

Add Items

NTI 001_PlaySetGA - NTI Legeplads 001 [...]		
NTI001_Base1 - NTI001_Base1...	1	Add
NTI001_BaseDeck1 - NTI001_...		
A0-0001 - A0-0001 [REV:...	2	Add
A0-0003 - A0-0003 [REV:...	2	Add
A0-0004 - A0-0004 [REV:...	2	Add
A0-0012 - A0-0012 [REV:...	13	Add
A0-0014 - A0-0014 [REV:...	2	Add
A0-0019 - A0-0019 [REV:...	1	Add
B0-0005 - A0-0025 [REV:...	2	Add
A0-0024 - A0-0024 [REV:...	2	Add
NTI001_MainRailing1 - NTI00...	1	Add
NTI001_RoofStructure - NTIO...		
100004 - A0-0048 [REV:...	2	Add
D0-1248 - RoofStructure...	2	Add
100008 - A0-0053 [REV:...	24	Add
D0-1249 - RoofCap [REV:...	1	Add
100007 - A0-0049 [REV:w]	4	Add
100006 - A0-0050 [REV:...	2	Add
100005 - A0-0051 [REV:w]	2	Add

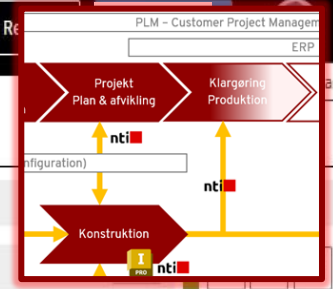
Total Quantity : 3

Manufacturing BOM

NTI 001_PlaySetGA - - NTI Legep...		
A0-0047 - A0-0047 [REV:w]		
100011 - A0-0046 [REV:w]	2	
SwingsetTopBracket - SwingsetT...	1	
A0-0045 - A0-0045 [REV:w]	2	
100010 - A0-0037 [REV:w]	1	
D0-5487 - SwingSeat [REV:w]	6	

Total Quantity : 0 (-3)

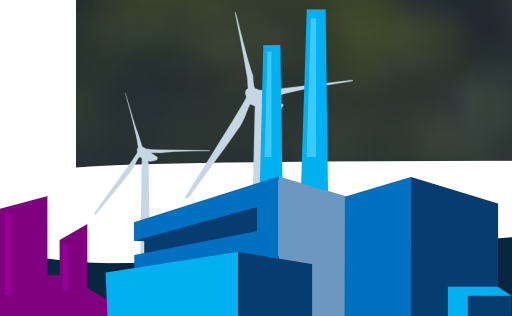
Add Process Title Code



Product to Manufacturing BOM

# SERVICE OG RESERVEDELE

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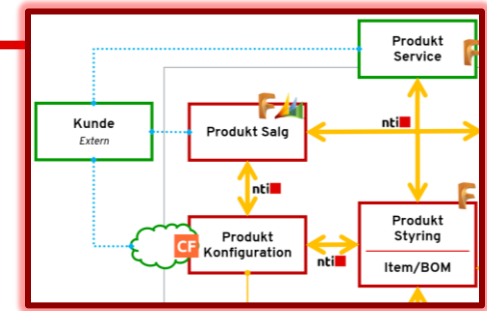




# PRODUKT SERVICE PLATFORM

## Vi viser

- Produkt Struktur
- Produkt Dokumentation
- Reservedels håndtering
- Reservedelsbestilling
- 3D overblik / Dashboard




**Services Portal** | NTI 001\_PlaySetGA - - NTI Legeplads 001

[Toggle BOM](#) [Toggle Files](#) [Toggle Details](#)

### Bill of Materials

Filter

- NTI001\_Base1 - - NTI001\_Base1 [REV:w]
- NTI001\_MainRailing1 - - NTI001\_MainRailing1 [REV:w]**
  - Railing1 - - RailingSub1 [REV:w]
    - A0-0018 - - A0-0018 [REV:w]
    - A0-0020 - - A0-0020 [REV:w]
    - 100009 - - A0-0009 [REV:w]
    - B0-0009 - - A0-0029 [REV:w]
  - SlideAssembly - - SlideAssembly [REV:w]
    - XCC245-RED - - Slide1 [REV:w]
    - A0-0040 - - A0-0040 [REV:w]
    - A0-0041 - - A0-0041 [REV:w]
    - A0-0042 - - A0-0042 [REV:w]
    - A0-0043 - - A0-0043 [REV:w]
    - A0-0037 - - HandBar [REV:w]
    - A0-0046 - - A0-0054 [REV:w]
    - A0-0037 - - HandBar [REV:w]
    - B0-0006 - - A0-0026 [REV:w]



Attachments





## Bill of Materials

Filter

- > NTI001\_Base1 - - NTI001\_Base1 [REV:w]
- > NTI001\_MainRailing1 - - NTI001\_MainRailing1 [REV:w]
- > NTI001\_RoofStructure - - NTI001\_RoofStructure [REV:w]
- > NTI001\_Base2 - - NTI001\_Base2 [REV:w]
- > NTI001\_MainRailing2 - - NTI001\_MainRailing2 [REV:w]
- > NTI001\_BaseDeck1 - - NTI001\_BaseDeck1 [REV:A]



## Attachments

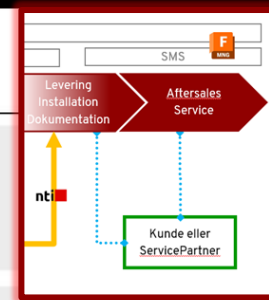


NTI 001\_PlaySetGA.dwf

Created by DK Va  
8.10.2024, 1

## Spare Parts

	8	Rock2	Zoom
	6	HandBar	Zoom Out of stock
	1	RoofCap	Zoom Out of stock
	8	A0-0036	Zoom Low stock
	3	SwingAssembly	Zoom Out of stock
	3	SwingSeat ABS 200 / 500 mm x 250 mm x 150 mm	Zoom Out of stock
	6	Chain Steel 500 / 10 mm x 10 mm x 500 mm	Zoom In stock



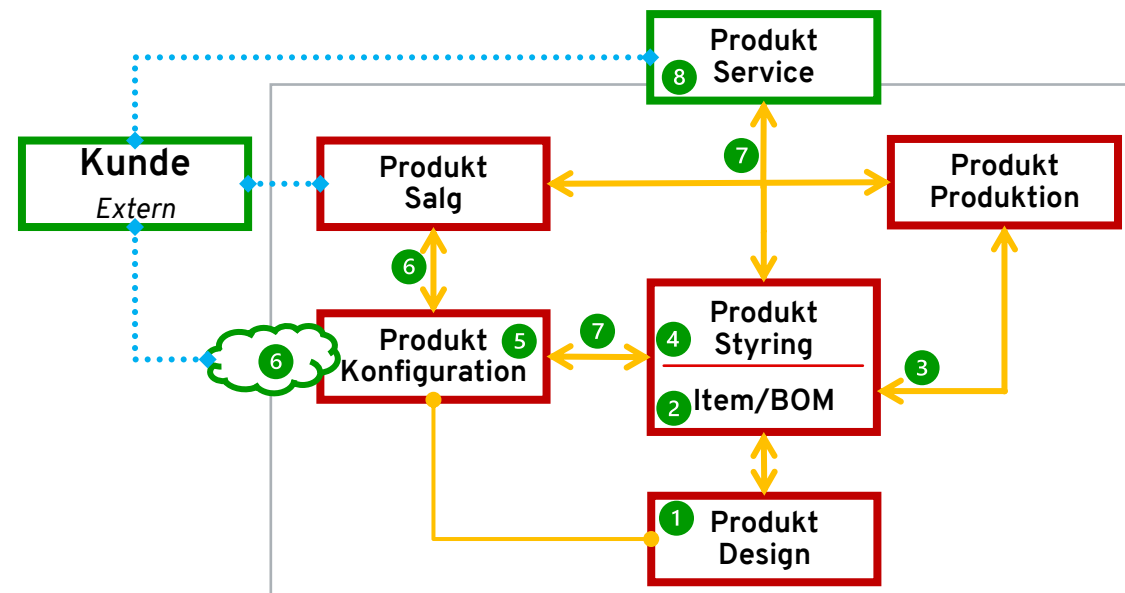
# I GANG MED INTEGREREDE PRODUKT DATA

nti

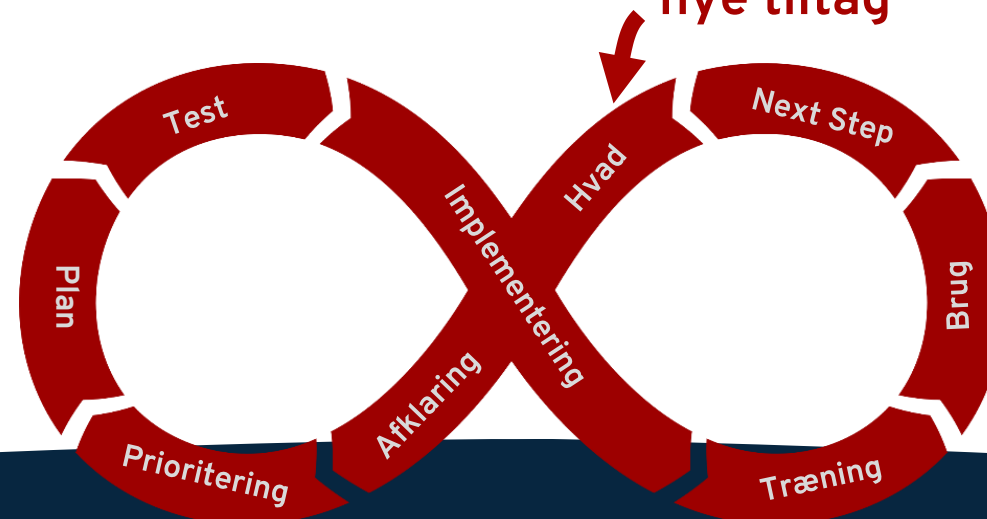
nti

# DER ER FLERE VEJE

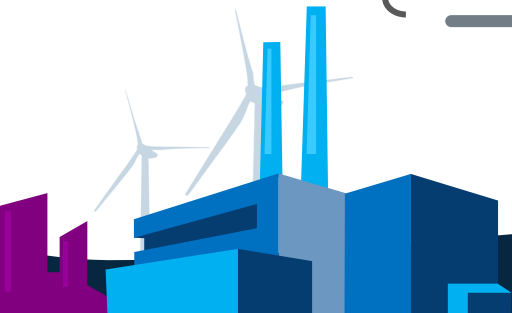
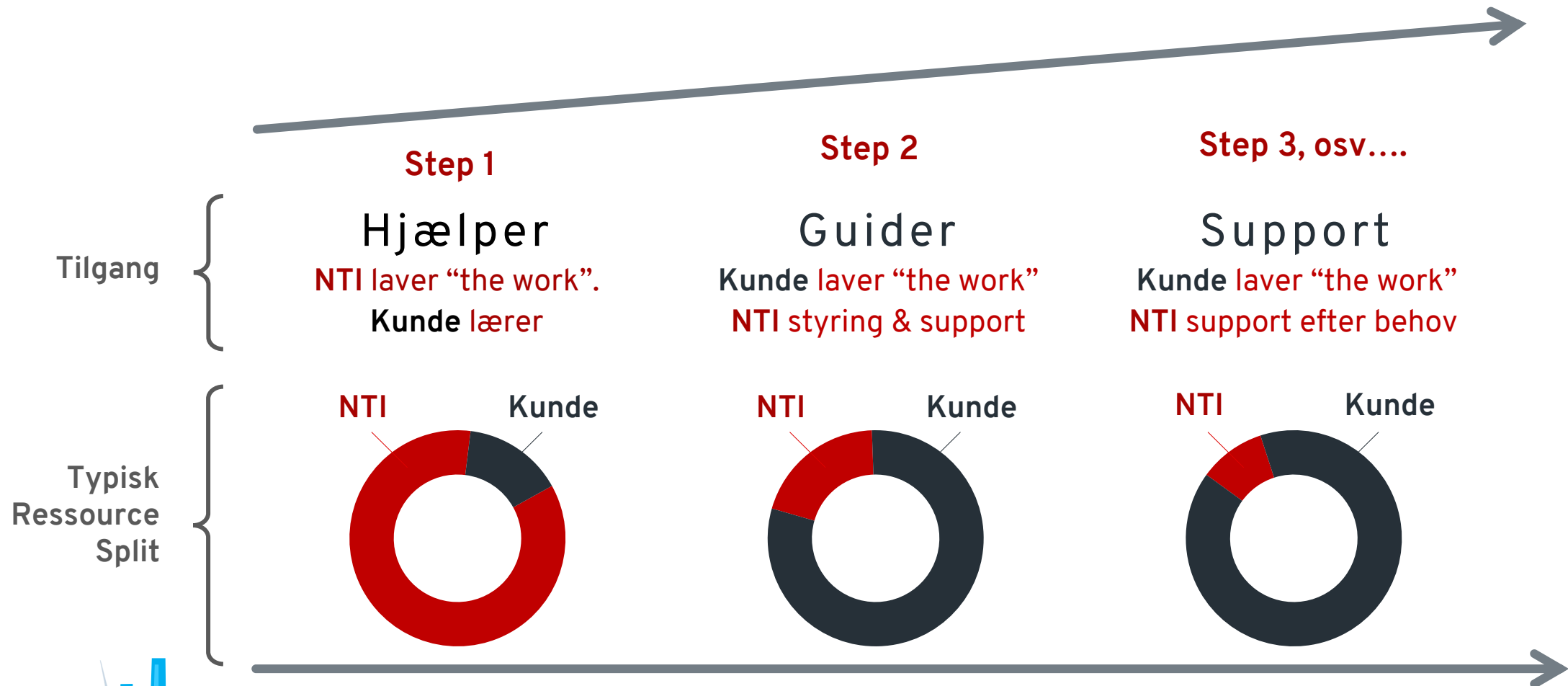
- Afstemning af - **hvad, hvorfor og hvordan**
  - Vi laver ofte en afklaring og plan sammen med vores kunder, ift. prioritering af vigtighed
- Der er mulighed for at starte alle steder, det er afhængigt af virksomhedens behov
- Det vigtigste er **LEVENDE OPDATEREDE DATA**
- Integration tilføres efter behov



Vores model til nye tiltag



# IMPLEMENTERINGS TILGANG







**Q&A**

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nti 



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**TAK FOR I DAG**

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