

AI Acceleration in ERP and WMS

- Lets build Apps: right here, right now

Build working apps in minutes,
pilot solutions in hours

The logistics success story at Plantasjen

vince

INFOTEAM



AI innovation is radically changing solution speed
and cost of implementation within IT

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AI Acceleration in ERP and WMS



Challenge



Acceleration



Solutions



Value

Challenge – build solutions to outsource logistics within 4 months



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Logistics
Outsourcing



Solutions for all
parties



From Need to
Solution Time

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Challenge – build solutions to outsource logistics within 4 months



Logistics Outsourcing



Solutions for all parties



From Need to Solution Time

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Outsourcing: IT cannot be a blocker in a more rapidly moving business environment, IT should act as an enabler

The Major Business Case



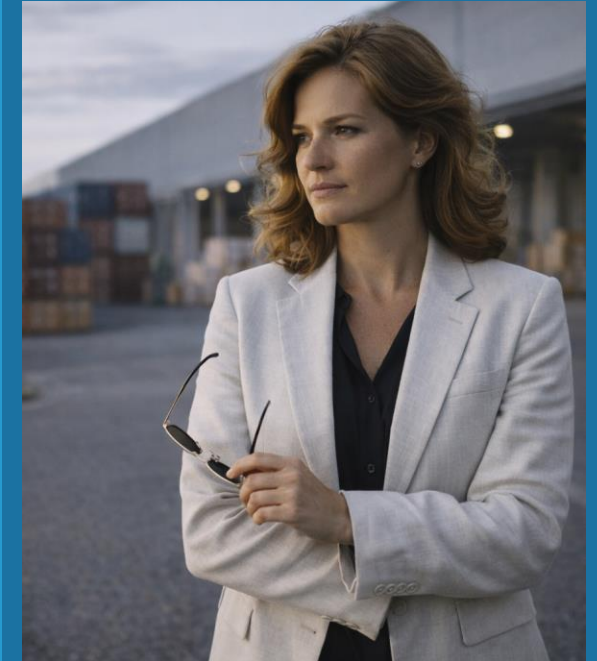
Making each inbound and outbound transportation and logistics activity more efficient thru 3rd party expertise and benefit from large scale operations at 3rd party provider

The minor Business Case



Benefits related to admin cost cuts, moving to a 3rd party that has specialized in these processes, hereunder more automation and better skilled resources

Outsourcing Risk



Lack of knowledge within core business for 3rd party
Challenging administrative processes to move to 3rd party

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Challenge – build solutions to outsource logistics within 4 months



Logistics Outsourcing



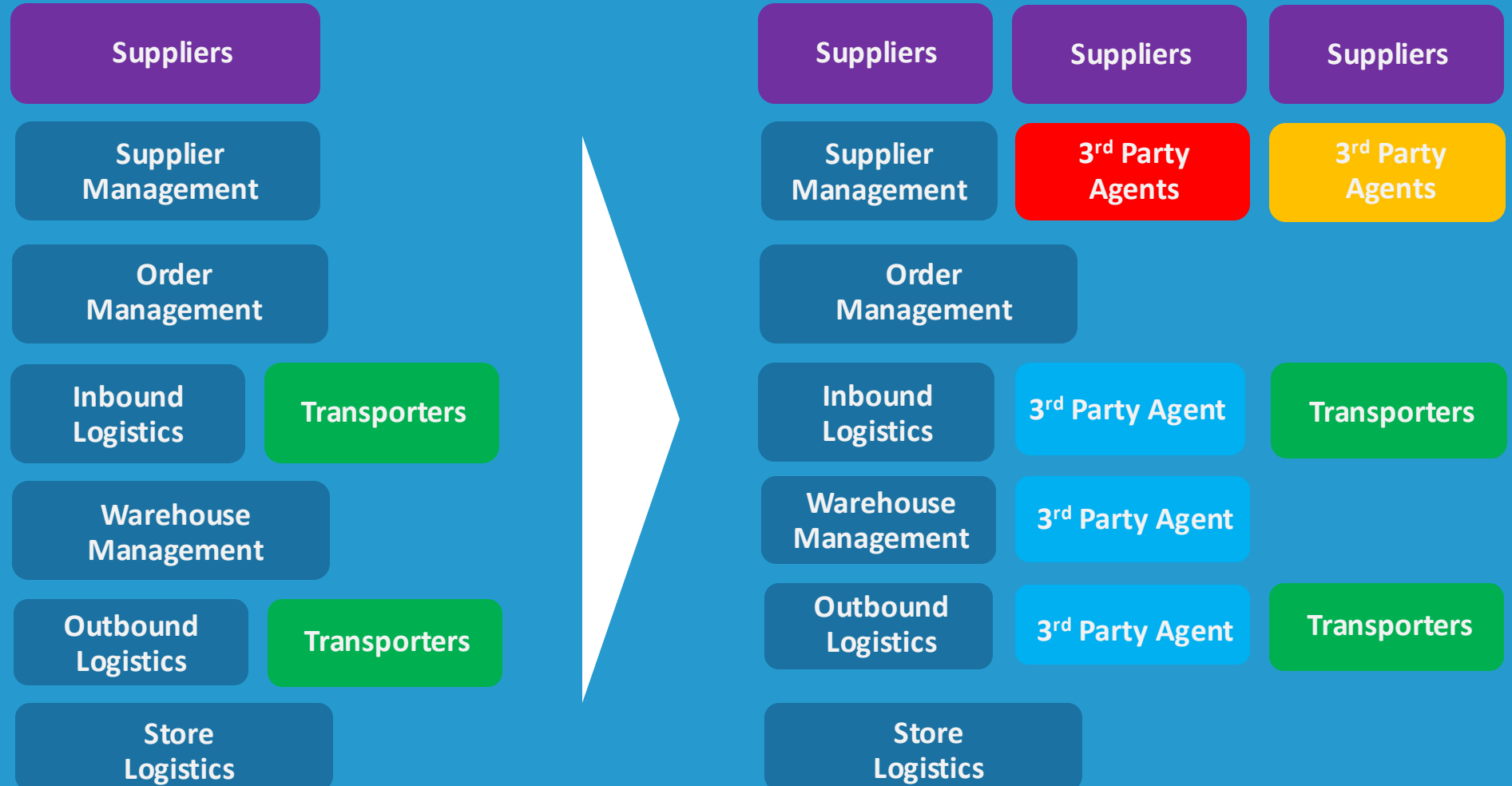
Solutions for all parties



From Need to Solution Time

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More Parties: Moving from one party to several parties in the same solutions



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Challenge – build solutions to outsource logistics within 4 months



Logistics Outsourcing



Solutions for all parties



From Need to Solution Time

Need for Speed: Time from defined (or re-defined) needs to expected solutions implemented from months to weeks to days

4 months timeframe



Focus on core benefits for both parties – what is needed and what is nice to have to make it work

Sourcing Key Personnel



To get both 3rd party expertise, keep core business knowledge and drive benefits of scale key personnel at Plantagen was moved to 3rd part

Re-use IT solutions



To avoid administrative hazzle during outsourcing – Plantagen used current cloud based IT solutions to host more parties on the same platform

Acceleration – Let's build an App right here, right now



**Building
Blocks**



Framework



**Let's Build an
Item Catalogue**

Acceleration – Let's build an App right here, right now



**Building
Blocks**



Framework



**Let's Build an
Item Catalog**

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Building Blocks: What are we building and how can we build

What are we building?

Item Catalogue:

- List items
- Lookup inventory at stores
- Additional data overview
- Warehouse movement of stock

What is needed?

Vince Live Platform

Four tables

- Store data
- Item data
- Stock data
- Extended item data

Acceleration – Let's build an App right here, right now



Building
Blocks



Framework



Let's Build an
Item Catalog

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Framework: Claude + VinceLive foundation

How does it work?

App Builder / Claude AI

- Gets instructions from Vince
- Access to metadata of selected workflows and tables
- Tenant-specific instructions
- Generates finished application

Vince Live Platform

- Hosts the application
- Established workflows for integrations
- Locally saved tables with indexed data (OpenSearch)
- Accessible from anywhere
- User and role management for security control

AWS Infrastructure

AWS as a core

- Uses native serverless services
- Unlimited scalability
- As AWS evolves, so does Vince Live
- IAM based security with minimal scoped roles

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Acceleration – Let's build an App right here, right now



Building
Blocks



Framework



Let's Build an
Item Catalog

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Let's Build: An Item Catalog that will give the stores a new way of receiving information!

Need

An item catalog that can

- List and search across items
- Lookup stock data for your store/location
- See additional item master data
- Move stock between two stores

Solution

Vince App Builder

- Building on top of data tables already used for other applications and integrations
- UI on top generated by Vince App builder

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Solutions – Examples of solutions built in January



Tills management



Warehouse
Cross Docking

Solutions – Examples of solutions built in January

Tills management: Giving IT the tools to manage 400+ tills!



Tills management



Warehouse
Cross Docking

Headlines

Features

- Listing tills per store
- Change full configuration of a till in one click
- Adding new tills

Highlights

- Overview of tills and configurations
- Batch updating of multiple tills at once
- Instant configuration-changes
- Easy new additions

Value outcomes

- Better control over the hundreds of tills
- Able to take advantage of new features from the tills-partner
- Few clicks to configure a new till

Illustration

Total Tills	Active	MPOS	SCD
407	407	13	113

Search by workstation ID or store	All Stores	All Types	All Status
Store 207	1 till	Normal Config	Add Till
Store 208	1 till	Normal Config	Add Till
Store 209	1 till	Normal Config	Add Till
Store 210	1 till	Normal Config	Add Till
Store 211	1 till	Normal Config	Add Till
Store 212	1 till	Normal Config	Add Till
Store 214	1 till	Normal Config	Add Till
Store 215	5 tills	Normal Config	Add Till
Store 216	1 till	Normal Config	Add Till
Store 217	12 tills	Normal Config	Add Till
Store 218	1 till	Normal Config	Add Till

Solutions – Examples of solutions built in January

Crossdock: Digitalizing the crossdock process



Tills management



Warehouse
Cross Docking

Headlines

Features

- Inbound PO & outbound Delivery overview
- Goods receipt in app
- Pick list release & automatic shipping
- Transport booking per store

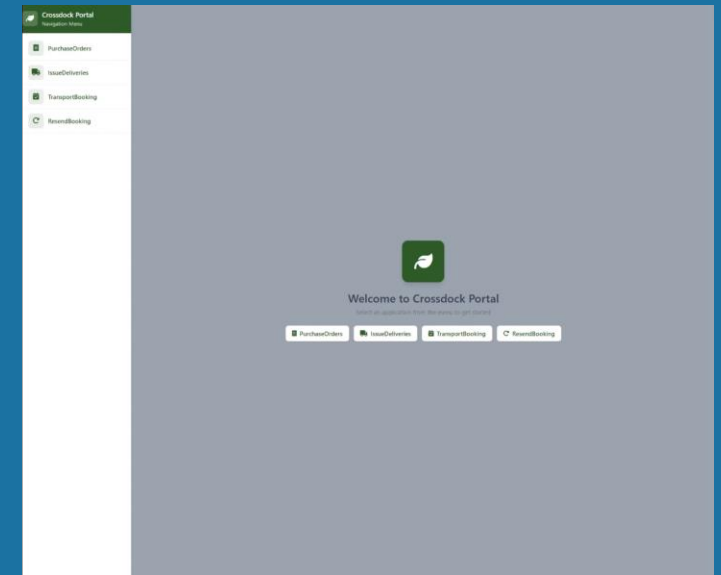
Highlights

- POs and Deliveries linked in one view
- No M3 access required – built for outsourced WMS
- Consolidated store overview for transport booking
- One-click release for pick list -> auto pack & ship

Value outcomes

- 2-3 hours saved each day (off-season)
- Improved quality of crossdocking
- Quick delivery of new features to improve process!

Illustration



Acceleration – Let's build an App right here, right now

Test and publish the build – then open for audience input!



Test, publish and change



Audience input

Test and publish

Lets click around, and lets make a stock movement between two stores.

Then, lets publish it and there we have a available app for users to use.

Audience input

Now comes the fun part, lets take audience input on what to add to our application!

**Scope Creep
as a Service**

Acceleration – Let's build an App right here, right now



Test, publish and change



Audience input

Value – what is the value of an AI App Builder



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Benefits of AI App Builder



IT Strategy Implications



New Best Practice for Innovation

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Value – what is the value of an AI App Builder



Benefits of AI Apps build



IT Strategy Implications



New Best Practice for Innovation

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Benefits: Increased Speed and Reduced Cost of Delivery

Increased Build and Implementation Speed

- Time between business decisions and actual IT solution implementation radically reduced
- Changes and enhancements can be built in Dev-Ops style with far less resources
- Project backlogs can be cut by simply having a more efficient build capacity, not by scope cutting

Reduced cost of Delivery

- Faster and more cost-efficient design and pilot work including rough testing of solutions
- Scope can be better optimized for better solutions (not the MVP entry, but a more full level entry of solutions)
- Less resources and involved solutions specification and build cuts lead times

Pilot built in hours, not days:

A pilot solution can be put together as a basis for design and solutions discussions, no more endless design-papers nor hierarchical handovers to make minor solutions

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Value – what is the value of an AI Apps builder



**Benefits of AI
Apps build**



**IT Strategy
Implications**



**New Best Practice
for Innovation**

IT Strategy: Better fit and timing to business needs

Better fit and timing to business needs

- Faster turnaround from need to solution will create a better fit to current business needs
- Descriptive programming will enable closer cooperation between business users and project resources (less 3LA)
- Expected project timelines can be cut but 60-80% by more efficient delivery capacity

Reduced Project and Total Delivery Risk

- With AI add-ons # of resources are reduced and # of roles in a project are condensed
- Less resources and less roles will reduce complexity in projects, and of course transition times, etc
- Re-usable AI add-ons will enable more parallel work due to reduced tech skills to pilot solutions

Value – what is the value of an AI Apps builder



Benefits of AI Apps build

Best Practice: AI Add Ons, Supplier Agility and My Preferences will lead the way

Old, innovation: Customization, higher operation costs, local “IT debt” and costly / risky ERP upgrades with lo

New solutions made based on local customization

Number of customization driving operational costs

ERP solutions building “IT debt” and complexity

Risky (and costly) ERP upgrades every 5-7 years



IT Strategy Implications

Current, possible innovation: AI Add-ons + Supplier Enhancements removes IT debt and future ERP upgrades

New solutions made based on AI add-ons OR supplier enhancements

Number of AI add ons driving operational costs

Continuous Supplier enhancements in releases removes IT debt / drives change control

No future ERP upgrades



New Best Practice for Innovation

Future innovation: My preferences and needs in ERP drives early intelligent supplier enhancements

My preferences and needs in ERP enables suppliers to create early AI enhancements

Number of AI add ons driving operational costs / drives change control

Better adapted supplier enhancements will be released with faster cycle times

No future ERP upgrades

Thank you!



Olav Fyldeng



Jonas Nilsson



Odd Dyhring



Roy Klement



Janne Kinghed

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See you tomorrow! NESTE GENERASJON LAGER OG LOGISTIKK I M3



Espen Rydningen
EA Smith



Kjetil Solberg
EA Smith



Thormod Berger
Vince

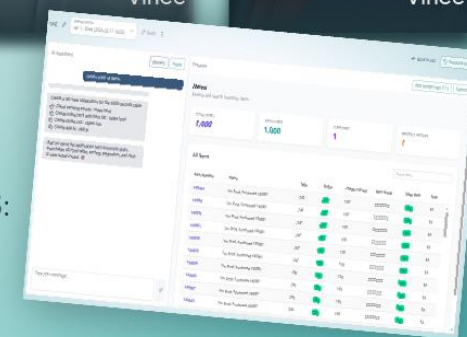


Janne Kinghed
Vince

Bli med oss på InfoTeam 17-18. Mars

Foredrag 2: Neste generasjon lager og logistikk i M3:
EA Smith på Vince Platform med App Builder

Onsdag 18. Mars:
13:50-14:30 - Terminal 3



Don't miss it!



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