

Abstract

- Want to add cutting-edge analytical capabilities to your ERP system using Business Central and Power BI together?
 Then come along for a journey through the wonders of powerful business systems mixed with top-notch data modeling and visualization capabilities. A true match made in heaven.
- In this session we will talk about the synergies between Business Central and Power BI, how you decide which tools to use for which task, sprinkled with a data architecture recommendations.
- After watching this session we hope you have a new-found inspiration for the possibilities of combining Business Central with Power BI, as well as a solid foundation of do's and don'ts when building out your data and reporting capabilities.

Topics:

- Business Central and Power BI
- Modern Reporting architecture
- Synergies and capabilities



Mathias Halkjær Petersen

in www.linkedin.com/in/mhalkjaer

• Data Architect, Consultant, Trainer and Speaker



Business Intelligence Architect

JDM A/S



Business Intelligence Consultant

Universal Robots A/S



Chief Digital Officer (CDO)

Clayton Power



University of Southern Denmark

MSc in Engineering, Product Development and Innovation

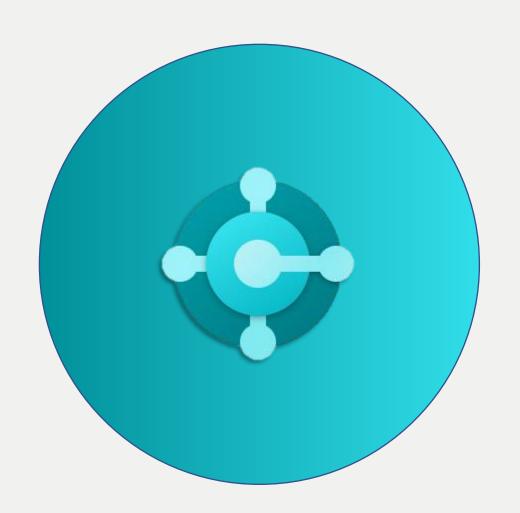


Sergeant, Royal Danish Air Force

Forsvaret

Agenda

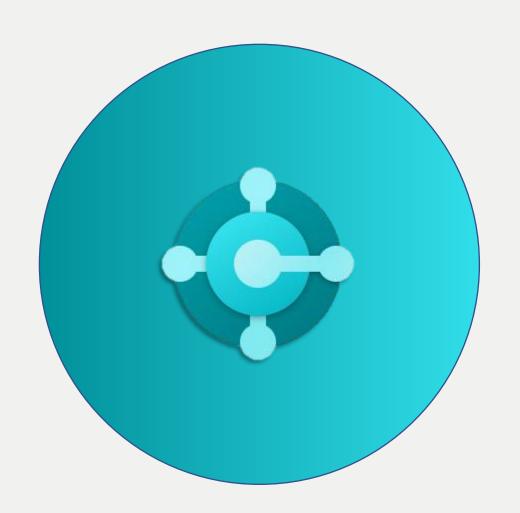
- Why Power BI and what is it?
- Integrations
 - Out-of-the-box apps
 - Embedding Power BI in Business Central (2 places)
 - Custom reports on Business Central Data
- Data Architecture

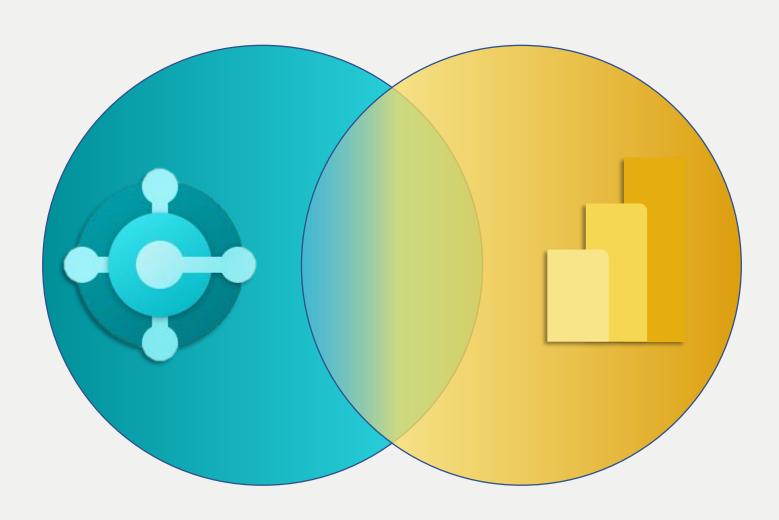


"If all you have is a hammer, everything looks like a nail"

- A. Maslow

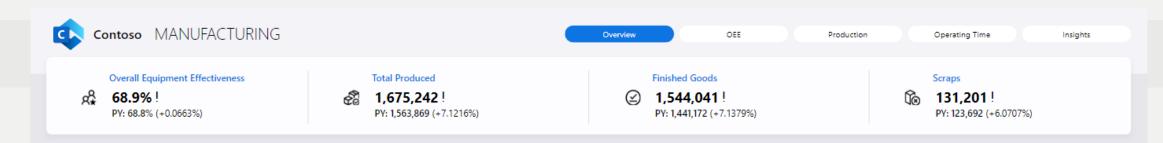






What is Power BI?









Year 2021

Power BI

- Self-Service Reporting
- Data Transformation Capabilities
- Data Modeling Capabilities
- Data Catalog
- Data Access management

Power BI

- Technical engine:
 - Columnstore
 - RAM-based
 - Compressed

Produ	ct Columns		
ID	Name	Color	Unit Price
1	Camcorder	Red	112.25
2	Camera	Red	97.50
3	Smartphone	White	100.00
4	Console	Black	112.25
5	TV	Blue	1,240.85
6	CD	Red	39.99
7	Touch screen	Blue	45.12
8	PDA	Black	120.25
9	Keyboard	Black	120.50



Integrations

- Premade Business Central Apps in Power BI
 - > (new) Telemetry app!
- Embed Power BI into Business Central
- Create specialized reports on Business Central data

Premade Business Central Apps for Power Bl



Microsoft Dynamics 365 Business Central - Sales

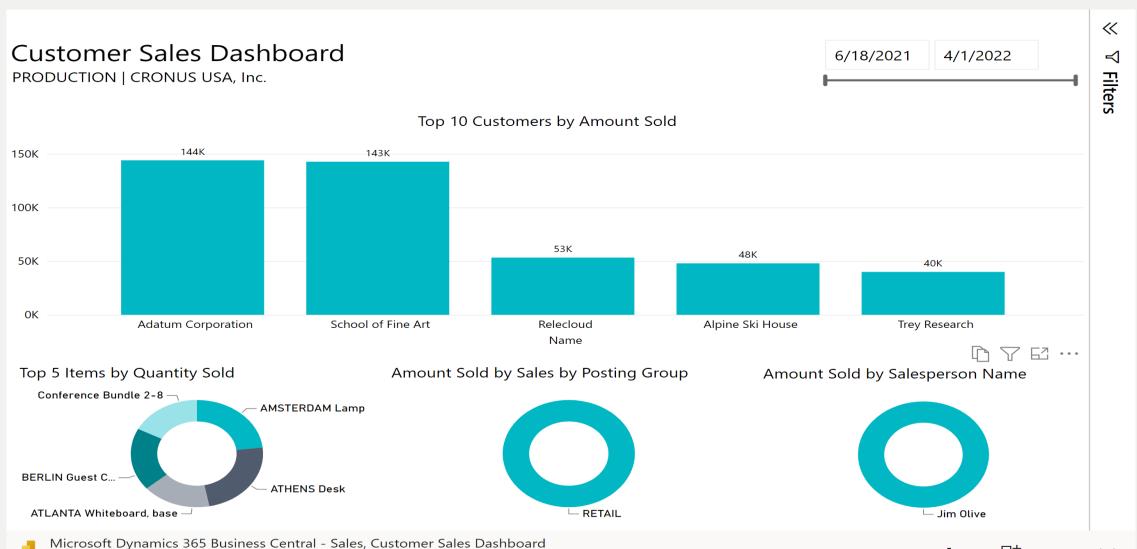






Data updated on 6/18/22, 12:23 AM

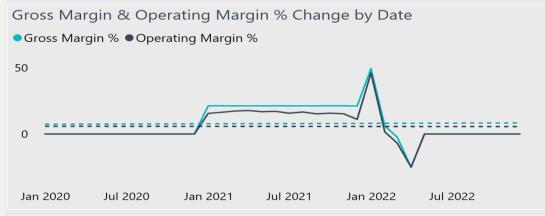
Microsoft Dynamics 365 Business Central - Sales



" FĽUXBI



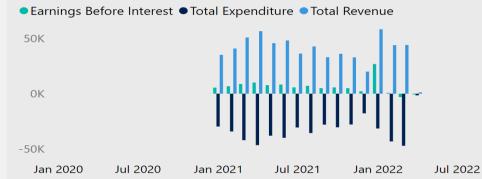
Financial Dashboard







Net Change in EBI, Expenditures and Revenue by Date

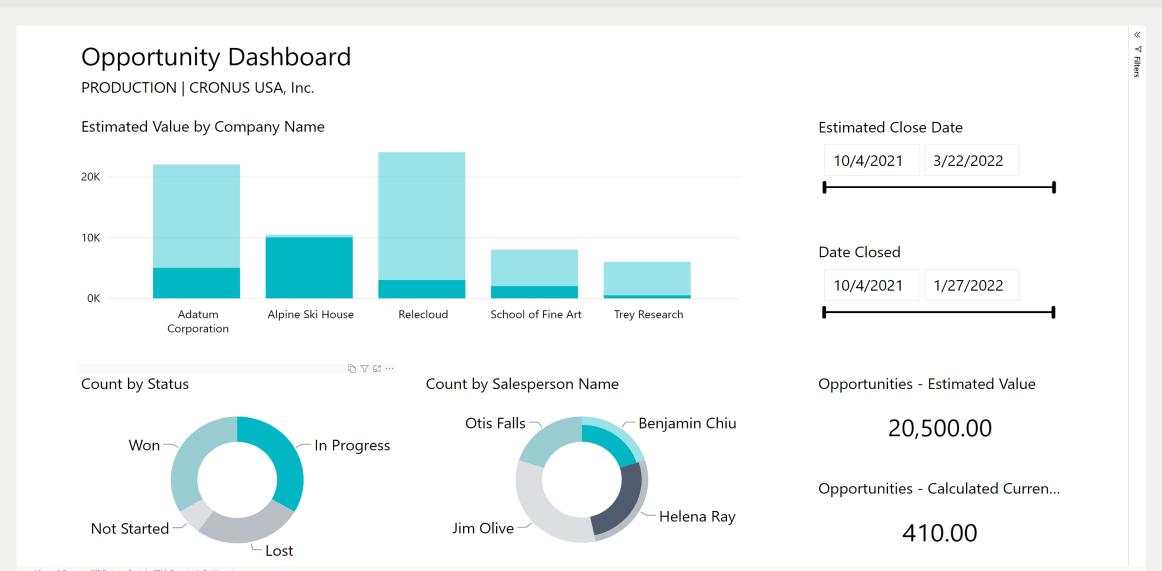


Mini Trial Balance

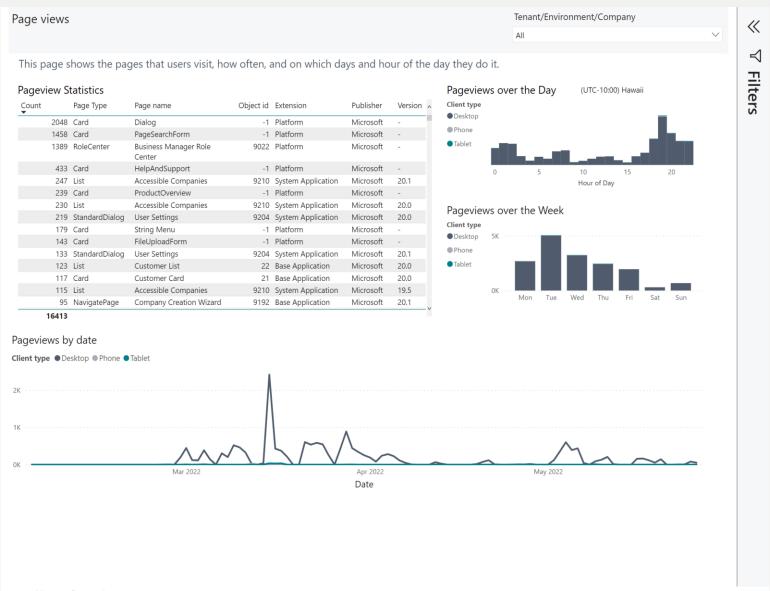
KPI_Code	KPI_Name	Net_Change_Actual
30	Gross Margin	131,953.30
40	Gross Margin %	283.38
90	Income before Interest and Tax	101,953.30
50	Operating Expenses	30,000.00
60	Operating Margin	101,953.30
70	Operating Margin %	206.41
80	Other Expenses	0.00
20	Total Cost	494,030.40
10	Total Revenue	625,983.70







Microsoft Power BI

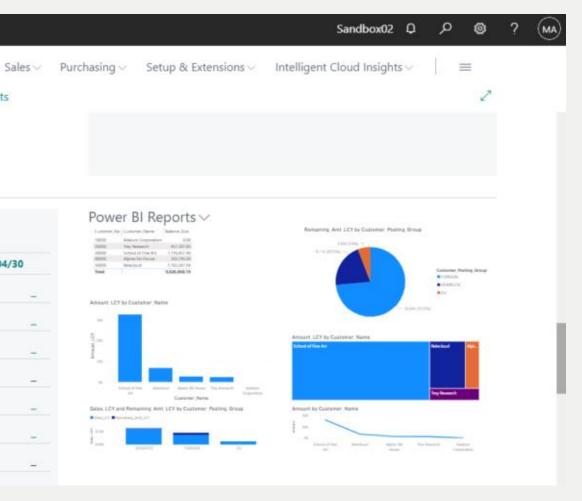


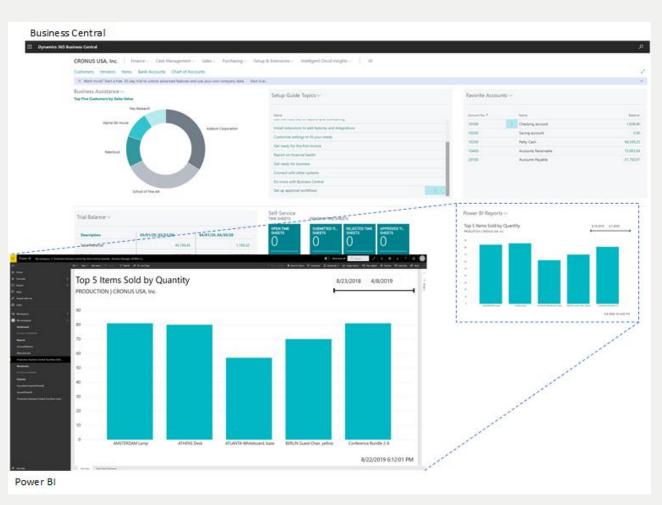
Resources:

- <u>Using Business Central Apps in Power BI Business Central</u>
 <u>Microsoft Docs</u>
- Enable Sending Telemetry to Application Insights Business
 Central | Microsoft Docs
- Telemetry app · BCTech · Readme | Microsoft GitHub

Embed Power Bl into Business Central

Embedding





Role center

Resources:

• Working with Power BI Reports in Business Central - Business

Central Microsoft Docs

Create custom reports with data from Business Central

Data hand-off

- Exposing data One connector 3 methods + 2 alternatives
 - Web service (Legacy)
 - Simple API
 - Advanced API

Alternatives:

- OData Query
- (new experimental) Business Central to Azure Data Lake Storage (BC2ADLS)



Resources:

- Working with Business Central Data In Power BI Business Central | Microsoft Docs
- Connecting to Dynamics 365 Business Central API v2... Microsoft Power BI Community
- Building Reports in Power BI Desktop to Display Business Central Data | Microsoft Docs
- Fix error: (400) Bad Request. Cannot modify a record. Connection intent is Read-Only
- GitHub Exporting data from Dynamics 365 Business Central To Azure Data Lake Storage

Utilize Power BI

We make your life easier

Reporting workloads (Paginated is similar, not much new)

Integration with other systems

More value-add from BC

Do as Microsoft, use pretty PBI reports in marketing

Questions



Thank you for listening Now go supercharge your Business Central with Power BI



Presentation Slides

