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# Unbeatable BI Content with Unseen Flexibility for D365 (AX)

All SQL code (2.000+ BI fields) is generated automatically. Any change to existing or new functionality is just one click away.

**RESOLVE YOUR ANALYSIS AND REPORTING NEEDS FOR ONCE AND FOR ALL.**

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# What makes BI4Dynamics the preferred choice for enterprises?

**Data Warehouse**
Leaner, more flexible and less expensive Data Warehouse. Expandable to complex data models with many contributing entities.

**Grows with your business**
Scalable for larger databases with intensive daily processing - millions of rows or terabytes of data is business as usual.

**Ready to use**
2.000+ BI fields built based on hundreds of implementations are ready to give you meaningful results in a couple of clicks.

**Optimized Performance**
BI4Dynamics is optimized for best-class performance using SSIS, incremental update and partition process.

**External sources**
With SSIS packages that can be easily added to the BI4Dynamics process flow. Create new cubes based on imported data.

**Different AX versions**
BI4Dynamics supports out of the box from Microsoft Dynamics AX 3 to Dynamics 365. Data are joined into one Data Warehouse.

**Internal resources**
An IT savvy person can deliver a full Data Warehouse with a speed of delivery and customization possibilities unseen in the industry.

**Finish in 1 day**
Deploy and process standard part of Business Intelligence project in 1 day! There is no risk involved. You can try it free for 30 days.

**COMPLETE BI SOLUTION IS ALREADY DEVELOPED TO EMPOWER YOU INSTANTLY WITH MEANINGFUL INFORMATION.**

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# Data Warehouse Automation

Most of the tasks can be delivered by Dynamics consultants with knowledge of Dynamics tables.
All the scripts and documentation is generated automatically.

**SIGNIFICANTLY IMPROVES USERS PRODUCTIVITY.**

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# Data Warehouse Automation (DWA)

Data Warehouse Automation tool accelerates and automates BI4Dynamics Data Warehouse. It generates **all SQL code automatically**. It enables **any change to existing or new functionality** with a click of a mouse.

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**Modelling is based on metadata**
This powerful concept ensures that all properties such as fields types, table relations, primary keys, etc. are intuitively entered to the user interface. This brings customization of Data Warehouse to a completely different level.

**Empowerment of D365(AX) consultants**
D365(AX) / NAV consultants can deliver most tasks with brief training since the key to success is understanding Microsoft Dynamics data structures. BI Project can be either edit or build in the five simple steps using the same tool as for developing cubes that come out-of-the-box with BI4Dynamics.

**100% open SQL scripts for modifications**
DWA generates SQL scripts (T-SQL, XML) that are 100% open for any modification.

**Mix automatically generated and manual SQL code**
This feature supports further DWA generation of the same script and preserving manual code intact.

**Also, the documentation is automated**
Complete documentation is generated automatically with a click of a mouse. Documentation delivers all technical details about Data Warehouse architecture, Data Warehouse and OLAP Cubes formulas, dimension hierarchies, top tables information and even execution times of top procedures.

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**SELF-SERVICE BI BEYOND YOUR IMAGINATION.**

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# Is Power BI enough?

Microsoft Dynamics ERP has complex structures and customizations may results in never-ending BI project, even with Power BI. Managing larger data and more complex models are known Power BI issue.

**Complexity of D365(AX)**
If your primary data source is Microsoft Dynamics ERP with thousands of available tables to store your valuable data, then the BI project rapidly becomes complicated.

**Overwhelming modeling**
Modeling hundreds of tables is possible in Power BI, but it is not easy to manage, even when using the new 'Modelling Views' feature.

**Performance or details**
Power BI Performance on larger data sets is a known issue. Managing Aggregations feature helps with performance but disables analyzing data at a document level.

**Additional services**
Power BI brings first results relatively fast. But with the complexity of the project, it at some point requires additional services that need to be performed by BI specialist.


Click on the picture to watch the video.
The link will redirect you to our YouTube channel.

## WHY COMPROMISE PERFORMANCE OR FEATURES?

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# Out-of-the-box

Model of 10 cubes is built on 10/15 years of BI/Dynamics experiences, has 2000+ measures, dimensions and attributes from 200+ Dynamics tables.

**ANALYZING YOUR DATA IS NOT A LUXURY, IT'S A NECESSITY.**

# Sales

Sales cube comes with **247 measures** organized in six measure groups:


## Sales Orders:

Monitor sales operational performance (Ordered / Reserved / Picked / Delivered / Open Amount & Quantity physically & financially, blocked, completed, Backlog Amount & Qty by PDD and RDD, some measures in Unit of Measure).

## Sales Invoice:

Analyze where sales and profit are generated (Gross/ Net Sales, Costs, Discounts, Profits, Commissions, Charges, Benefits, Averages, date comparisons, Last transactions) from standard document header and lines or free text documents.

## Sales Forecasts:

Compare sales forecasts and actuals (Forecast Amounts, Qty, Discounts, Sales and Cost Price, with variances and date comparisons.

## Sales Delivery:

Track delivery performance (Days / Amount / Qty / Lines late by five different dates, Availability Rate Delivered / Invoiced, Packing slip information, OTIF%).

## Sales Opportunities & Quotes.

Measure groups are sharing **66 dimensions** with **642 attributes** in **128 hierarchies**.

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# Receivables

Receivables are the most standardized business area, and the cube comes with **41 measures** organized in two measure groups:


## Receivables Transactions:

Analyze balances (Average Due / Open / Overdue day – these measures calculated as weighted averages).

## Receivables Measures:

Get insight into customer transactions (with standard Debit, Credit, Net change and Payment terms also as weighted average, as well as some specific measures Sales on Credit as amount and percentage).

Measure groups are sharing **26 dimensions** with **227 attributes** in **50 hierarchies**.

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# Finance

Finance cube comes with **58 measures** organized in three measure groups:


## General Ledger:

Analyze transactions and balances.

## General Ledger Budget:

Analyse budget and budget variances.

## Financial Statements:

Use AX reports from Traditional Financial Statements.

By combining financial dimensions, a user gets unimaginative flexibility for financial reporting in Excel or Power BI.

Measure groups are sharing **29 dimensions** with **92 attributes** in **11 hierarchies**.

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# Inventory

Inventory cube comes with **68 measures** organized in five measure groups:


## Inventory Transactions:

Analyze Cost and Quantity (Issued / Received by Date Physical / Date Financial), adjustments and average costs.

## Inventory State:

Track dynamics of your Inventory (Opening / Closing Qty and Value Balances, Stock Rotation in days, Min / Max Values, Average Qty and Value over time).

## Inventory Aging:

Track aging value and quantity by setting periodical snapshot, save to historical data and analyze changes over time by detailed aging buckets.

## Inventory Journal:

Analyze Cost, Qty and Price of journal transactions (increase, decrease, net change) commonly used for tracking wastage, shrinkage and similar transactions.

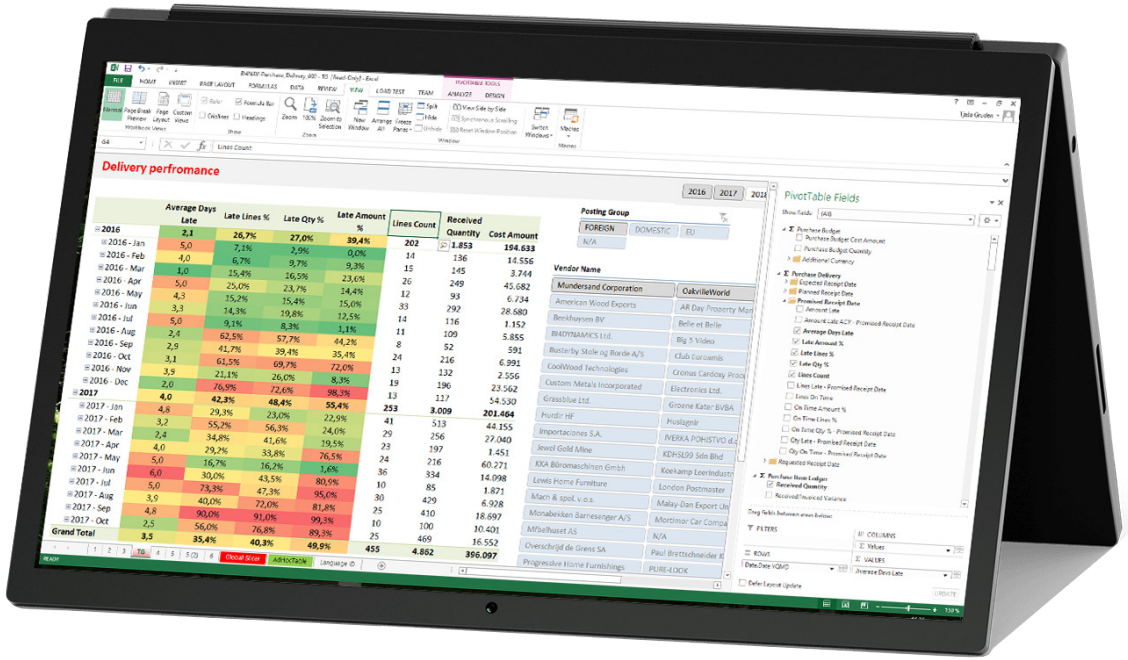
## Inventory Transfers:

Analyze transfers between locations.

Measure groups are sharing **28 dimensions** with **338 attributes** in **54 hierarchies**.

# Purchase

Purchase cube comes with **152 measures** organized in four measure groups:




## Purchase Orders:

Monitor purchase operational performance (Qty Ordered / Arrived / Pending / Received / Remain / Registered, Lines Early / Late / On Time as value and %, Lines fulfilled / Partially fulfilled / Not fulfilled as value and %, Amount Ordered with date comparison, some measures in Unit of Measure).

## Purchase Invoice:

Analyze the cost of items and services (Cost amount, Discount, Charges, Quantity, Price, Last purchase transactions) from standard document header and lines or free text documents.

## Purchase Delivery:

Score vendor performance as the difference in planned date (Confirmed Delivery Date or Confirmed Shipping Date or Requested Shipping Date) and actual Receipt date and calculate Days, Lines, Amount and Qty Late and On-time as value and %.

## Purchase Forecast.

Measure groups are sharing **48 dimensions** with **467 attributes** in **75 hierarchies**.

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# Payables

Payables cube comes with **41 measures** organized in two measure groups:


## Payables State:

To analyze vendor payment habits (Payment Term / Open / Overdue Days – all measures calculated as weighted averages), Days Payables Outstanding and Payable Coefficient. Balances are calculated daily for every open document, with the option to compress on a weekly or monthly level for prior periods (to gain performance and save disk space).

## Vendor Analysis:

To get insight into vendor transactions with specific measures Purchase on Credit as amount and percentage).

Measure groups are sharing **26 dimensions** with **120 attributes** in **16 hierarchies**.

# Retail

Retail cube comes with
**495 measures** organized in
eight measure groups:


## Retail Payments:

Analyze payment trends (types, averages).

## Retail POS Batch:

Analyze POS events (durations, logons, returns, voids, transactions, returns).

## Retail Sales Transactions:

Analyze Gross / Net Sales (per Line, M2, Staff, Store, Terminal, Assortment), Profit and Qty, Basket Value, Store Size, Returns, Tax, and Discounts.

## Retail Stock Information:

Snapshot information about Stock Qty (Arrived, Available, Ordered, Picked, Registered, Reserved) and Stock Value (Physical, Posted) inside of the Retail cube.

## Retail Store Information:

Track Store Area M2 that is used for calculation of averages in other measure groups.

## Retail Transaction Table, Retail Voided Payments, Retail Voided Sales Transactions.

Measure groups are sharing
**38 dimensions** with
**255 attributes** in **44 hierarchies**.

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# Production

Production cube comes with **50 measures** organized in two measure groups:


## Production:

Analyze Input, Output, and WIP estimates and actuals with details "from which input products have been produced" or "where (for which Item) a consumed material has been used".

## Production Center:

Information about Work Center (Hours, Qty and Scrap) with details "on which center/route an item has been produced.

## Production Standard:

Efficiency of Work Center.

## Shop floor control:

Availability, Efficiency, Performance, and OEE.

Measure groups are sharing **34 dimensions** with **208 attributes** in **37 hierarchies**.

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# Projects

No usage of project module in AX is the same, flexibility on details is the key. Project cube comes with **509 measures** organized in two measure groups:


## Project Actual:

Track Actual Revenue (Invoiced / Accrued / WIP), Consumption and Cost (by Items / Hours / Expenses) to get Actual Cash (Inflow / Outflow) with Profit and Loss.

## Project Budgets:

Compare budgets and actuals.

Measure groups are sharing **33 dimensions** with **271 attributes** in **61 hierarchies**.

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# Sign up for a trial today

You will receive a full unrestricted BI4Dynamics license, with all modules activated and our unique Data Warehouse Automation tool for 30 days. We will also set up and install the solution across your data free of charge.

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