

The background features a series of overlapping semi-circles and circular segments in various shades of red and dark red, creating a layered, geometric pattern. The word "delaware" is centered horizontally and vertically in a white, lowercase, sans-serif font.

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# FAST BI (Microsoft Edition)

Leveraging the Azure platform to offer out-of-the-box reporting and analytical capabilities on top of SAP S/4 HANA



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# About FAST BI (Microsoft Edition)

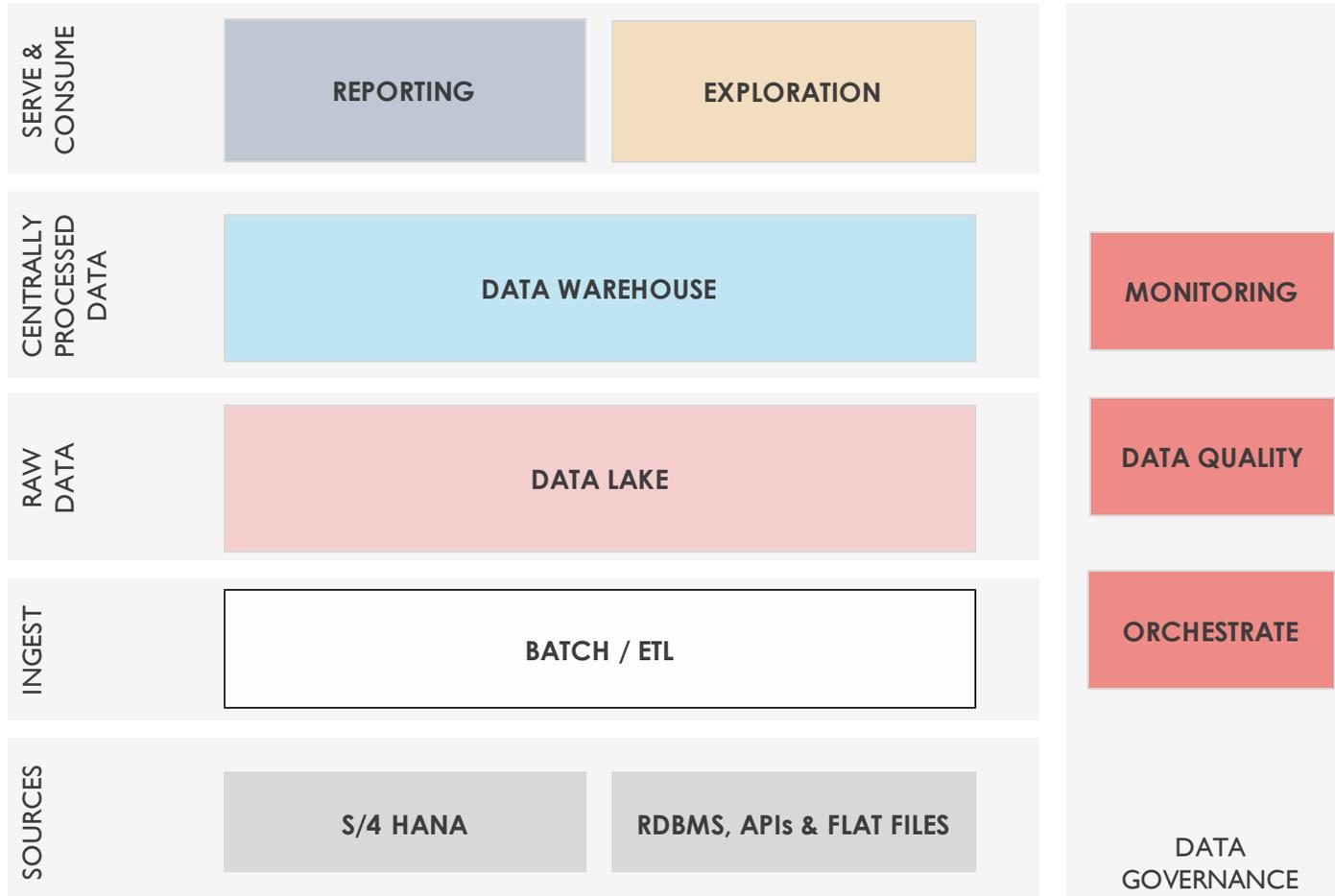
**delaware's FAST BI template solution leverages the Azure platform to offer out-of-the-box reporting and analytical capabilities on top of SAP S/4 HANA**

- **Prepackaged data models & dashboards** – based on our experience with multiple customers and designed in close collaboration with our SAP colleagues.
- Incorporating **BI best practices** in terms of logging, monitoring, data quality and data lineage.
- **Open platform** that can be easily extended with additional models & data sources, to fully support your requirements

**Scalable and future-proof solution, which can grow over time to support organizations throughout their entire data & analytics journey.**



# How FAST BI works



1. Ingest data from several SAP S/4 HANA domains (finance, sales, purchasing, inventory, production) into the landing zone through batch process
2. Data is transformed into a format which is optimized for reporting purposes and made available in a predefined data warehouse.
3. Predefined data models are available in the serving layer, including best practice domain KPI's.
4. Consume data through Power BI, Excel or your tool of choice
5. The solution can easily be extended with other source systems (e.g. legacy ERP systems, CRM, cloud-born data, etc.)



# Technology behind FAST BI

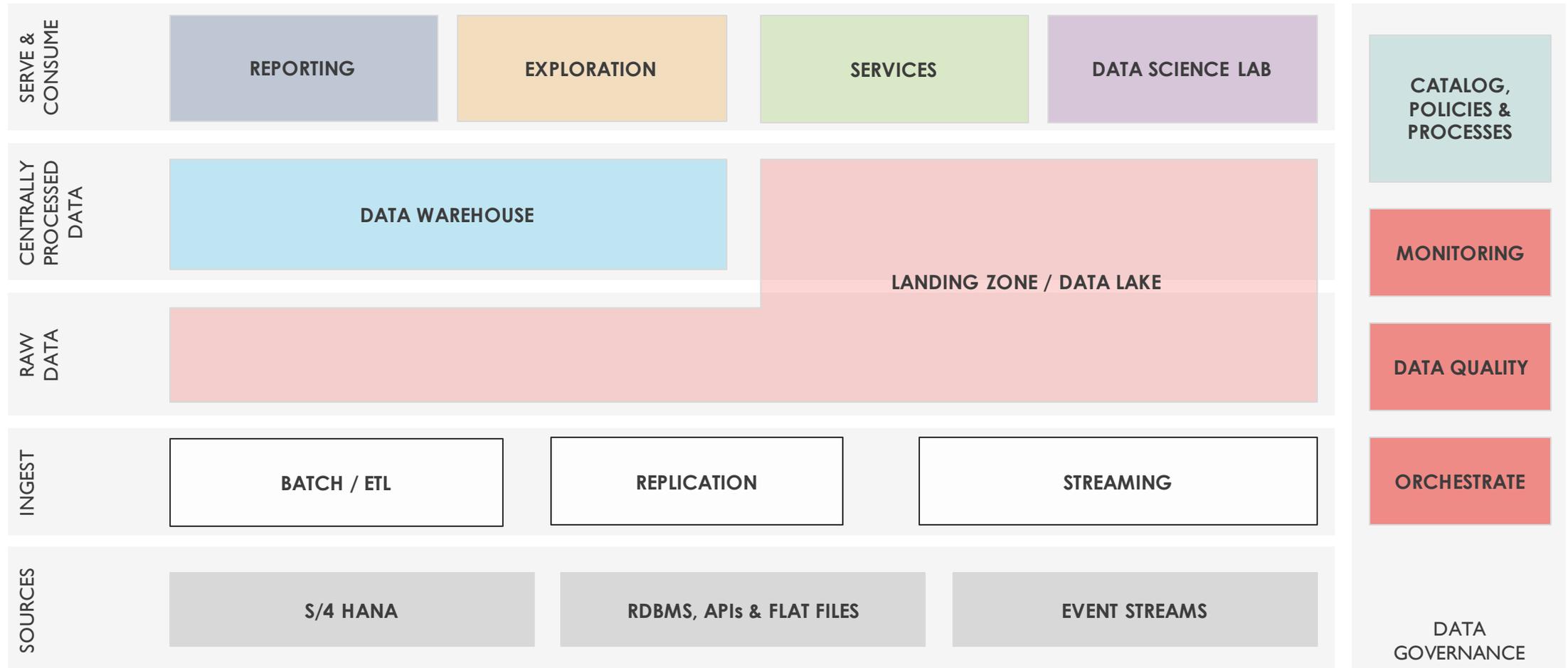
## **FAST BI is a full-blown cloud solution based on the Azure Synapse Analytics platform**

- Synapse Pipelines (Azure Data Factory) as an enterprise data integration tool for data ingestion and orchestration
  - In combination with Theobald as a third-party component for SAP data extraction (recommended)
  - Synapse Serverless for data processing directly on the data lake. The end-result is stored in a Synapse dedicated SQL pool which is used as an enterprise data warehouse.
- Azure Analysis Services or Power BI Premium (Per User) as a serving layer to make data available to the consumer
- Power BI, Excel or your tool of choice for reporting & dashboarding

**Advantages of Azure Synapse platform: fully managed in the cloud, pay-per-use, scalable solution to support future growth**



# Building the foundation for the future



Scalable and future-proof solution, which can grow over time to support organizations throughout their entire data & analytics journey, by leveraging on the broader Azure data platform.



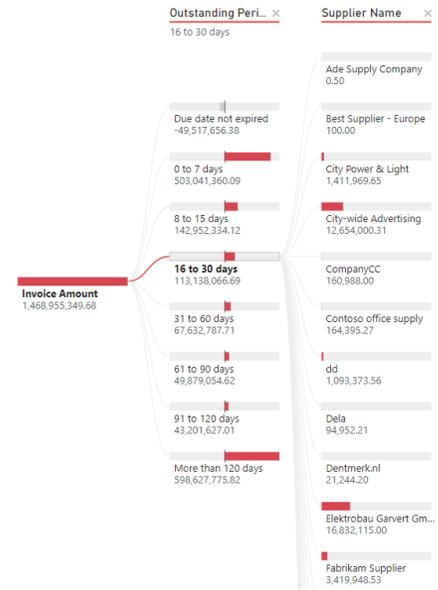
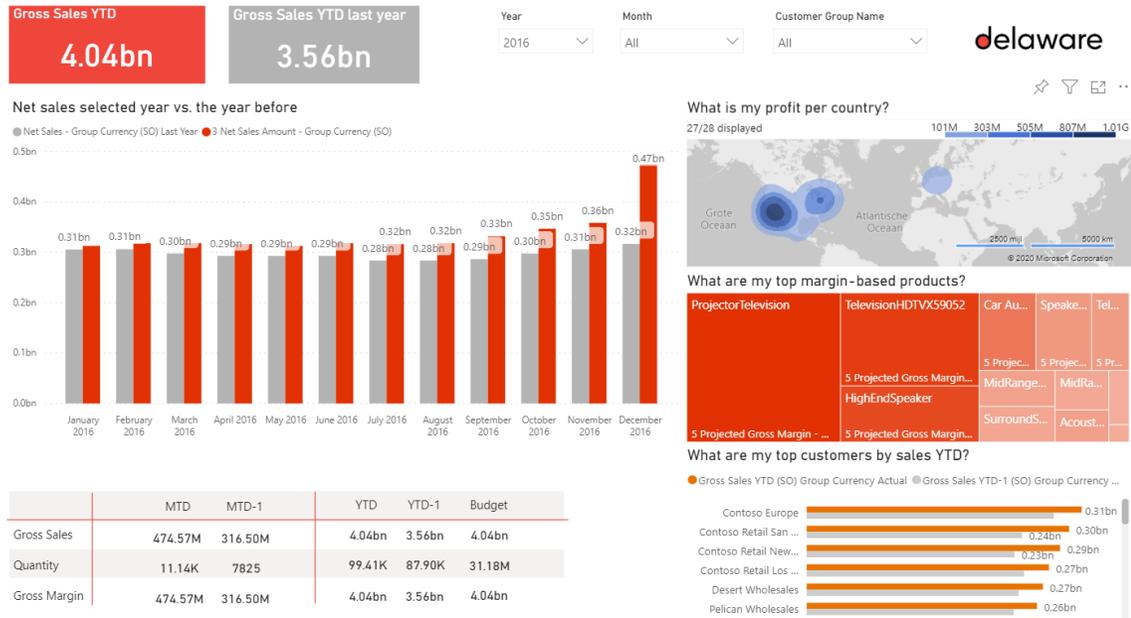
# What's in the box?

## Overview of prepackaged data models

Module	Pre-packaged data models	Allows you to answers business questions such as
Sales & Distribution	Sales Documents	<ul style="list-style-type: none"> <li>• How many sales orders were placed/invoiced this year ? How does this compare to budget? And to last year?</li> <li>• Who were my top customers last quarter? And what are my top-selling products?</li> <li>• How much discount have I granted? How are discount levels differing between customers, product groups, sales organizations?</li> <li>• Which sales orders still need to be shipped (and invoiced)? How many of them are planned to be shipped next month?</li> </ul>
	Delivery Documents (outbound)	
	Billing Documents	
	Sales Document Budget	
Finance & Controlling	GL Journal Entry Items	<ul style="list-style-type: none"> <li>• What were the movements on each of my GL accounts in the previous period? What is the current balance? How does this compare between my different legal entities?</li> <li>• What is the current status of overdue receivables and how has it evolved compared to last month? What is the amount that is more than 15 days past due, more than 30 days, etc?</li> </ul>
	Accounts Payable	
	Accounts Receivable	
Inventory, Logistics & Procurement	Goods Movements	<ul style="list-style-type: none"> <li>• How much of a particular material was moved from storage location X to storage location Y?</li> <li>• What is the inventory level per storage location? How much of this stock is restricted, in transfer, blocked?</li> <li>• How is the inventory evolving over time? Are there significant differences between plants?</li> <li>• Who are my biggest suppliers in terms of amounts/quantities and which ones were the fastest growing in the last year?</li> <li>• How many open purchase orders do we have for product X and what is their confirmed delivery date?</li> <li>• How are our suppliers performing in terms of on-time delivery?</li> </ul>
	Inventory Evolution	
	Purchasing Documents	
	Purchasing Invoices	
	Delivery Documents (inbound)	
Production & Maintenance	Production Orders	<ul style="list-style-type: none"> <li>• How many production orders were executed in the previous quarter? How many are open today? Which of the operations are completed and what is the planned completion date of the remaining ones?</li> <li>• How many hours were actually spent on maintenance work orders and how does this compare to the hours that were planned to be spent?</li> </ul>
	Production Order Operations	
	Production Order Confirmations	



# Example dashboards which can be created with FAST BI



**Open Amount**  
1.47bn

**Paid Amount**  
-4.96M

**Reporting Month**  
 August 2015

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Supplier Name	Document Date	Invoice Date	Payables Voucher	A/P Invoice Amount - Accounting Currency
dd	12/31/2016	12/31/2016	PIV-110000990	-94,400,000.00
Contoso Asia	1/1/1900	11/30/2016	PIV-110000003	-3,640,000.00
Tailsipn Parts	6/26/2017	6/27/2017	APIN000006	-1,557,116.40
Ade Supply Company	6/22/2017	6/23/2017	APIN000010	-1,468,855.20
Federal Tax Authority	6/24/2017	6/25/2017	APIN000008	-1,326,273.30
Fabrikam Electronics	1/1/1900	11/30/2016	PIV-110000007	-1,109,029.88
Tailsipn Parts	6/3/2017	6/4/2017	APIN000020	-962,756.40
dd	6/28/2017	6/29/2017	APIN000004	-693,297.00
North Dakota State Tax Authority	6/20/2017	6/21/2017	APIN000012	-662,814.00
Tailsipn Parts	1/1/1900	11/30/2016	PIV-110000000	-587,451.54
dd	1/1/1900	3/18/2019	APIN000052	-450,000.00
dd	3/18/2019	3/18/2019	APIN000053	-450,000.00
Fabrikam Supplier	7/1/2015	7/1/2015	PIV-110000229	-434,000.00
Fabrikam Electronics	1/1/1900	11/30/2016	PIV-110000002	-407,699.74
dd	1/1/1900	12/12/2016	PIV-110000539	-359,600.00
dd	12/17/2016	12/18/2016	PIV-110000538	-359,600.00
City-wide Advertising	1/1/1900	9/4/2016	PIV-110000214	-339,887.20
Property Management	6/17/2017	6/18/2017	APIN000015	-332,786.40
Federal Tax Authority	7/12/2017	7/13/2017	APIN000029	-325,064.19
Fabrikam Electronics	1/1/1900	12/6/2016	PIV-110000537	-323,640.00
Tailsipn Parts	1/1/1900	4/6/2017	PIV-110000547	-291,726.08
Lande Packaging Supplies	1/1/1900	4/6/2017	PIV-110000545	-240,000.00
dd	6/23/2017	6/24/2017	APIN000009	-216,299.40
dd	1/1/1900	3/25/2019	APIN000201	-216,000.00
City-wide Advertising	1/1/1900	12/3/2016	PIV-110000220	-191,145.76
<b>Total</b>				<b>-21,203,453.43</b>

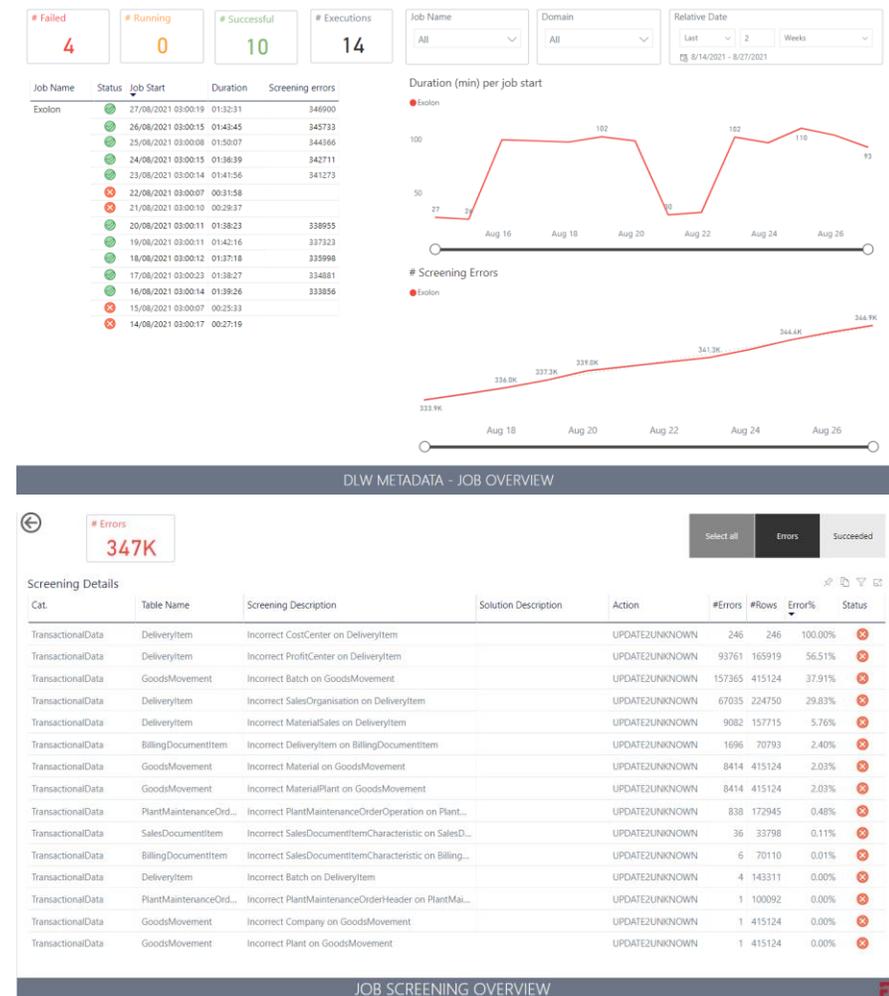


# About our BI best practices

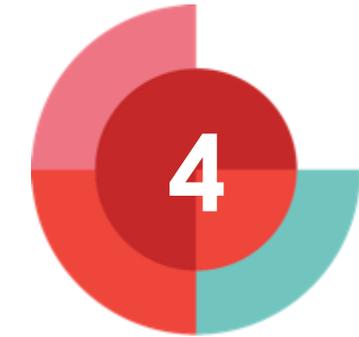
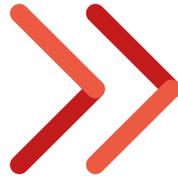
## Introducing ETLBase

- Consolidation of our best practices and accelerators which speed up the development process and contribute to a consistent solution.
- Code automation (metadata driven) & templates
- Extensive logging and monitoring, including out of the box dashboards
- Provides automation for Dev Ops
- Data Quality framework, to measure and monitor your data quality by means of data meta data (no coding required)

What our customers say about this? *“The ETL framework presented is impressive, lots of automated things, what helps developers to do their work smoothly and fast”*



# FAST BI implementation approach



## Technical assessment

- Assess technical landscape, prerequisites, source systems, users, data volumes etc.
- Fine-tune infra specs
- Avg lead time: 1-2 days

## Infrastructure & connectivity setup

- Set-up technical infrastructure
- Activate connectivity to source & target systems
- Avg lead time: 1-2 weeks

## Template installation, activation & training

- Install & configure template foundation + selected modules
- Set up job scheduling
- Train business key users
- Avg lead time: 2-3 weeks

## Optional: Fit/gap analysis & changes

- Identify & prioritize customer-specific enhancements
- Implement & validate changes
- Avg lead time: TBD case-by-case



# FAST BI pricing

**Please refer to:**

**Data & Analytics Sales Kit - 302 - Templates - FAST BI MS Edition - Pricing.pptx**



**thank you  
for your time**



**we commit. we deliver.**