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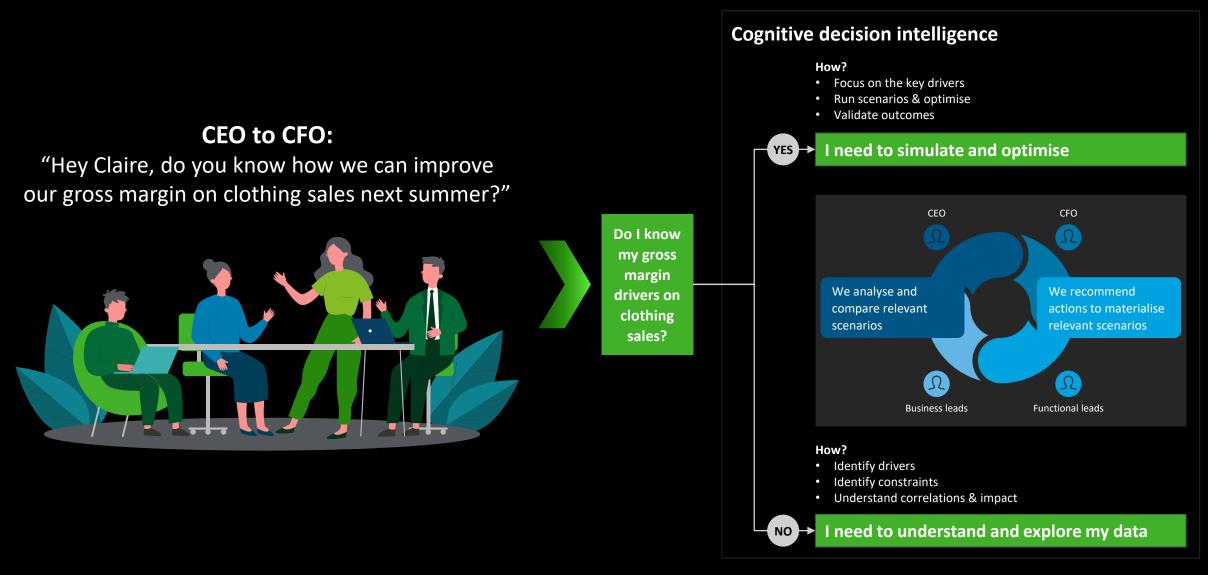


Finance Decision Intelligence



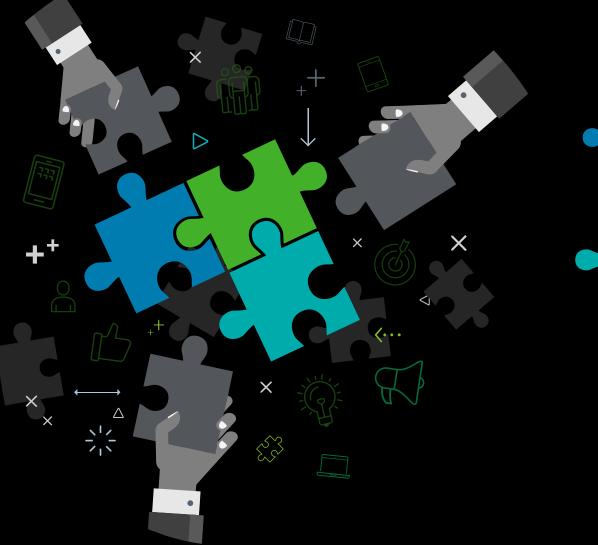
Decision-making in Finance

How a CFO can benefit from cognitive decision intelligence



Decision-making – a CFO pulse check

Many Finance functions still rely on gut feeling and focus more on the past than anticipating the future



I need to rely on data rather than my gut feeling

I want to know my data and be able to leverage it for objective decision making!

I need to be able to look beyond the P&L

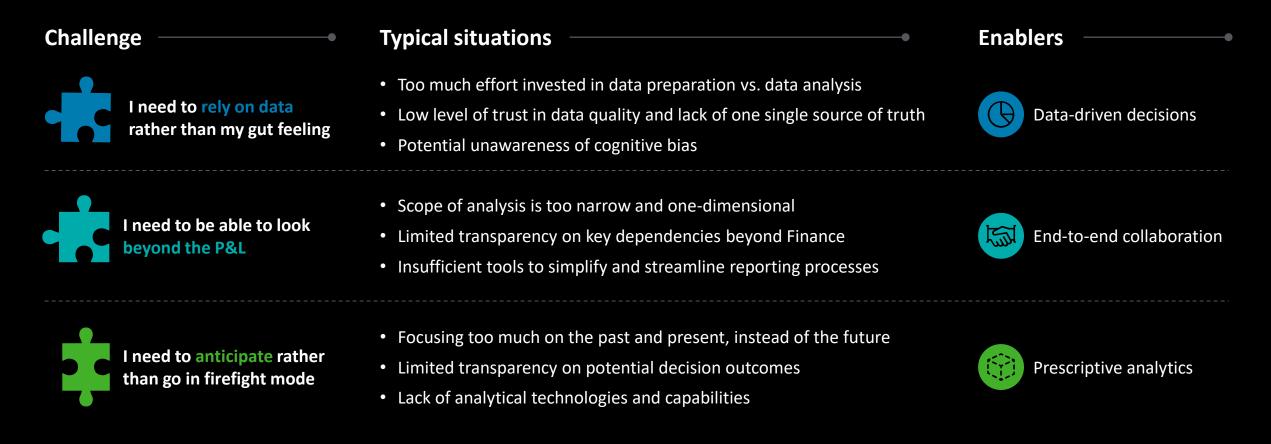
In order to fully understand my figures, I need to be able to look at all required dimensions and business drivers!

I want to anticipate rather than go in firefight mode

I want to be able to look forward and focus on actionable recommendations!

Common Finance decision-making challenges and how to tackle them

Shifting the focus beyond Finance and adopting a forward-looking approach are key success factors



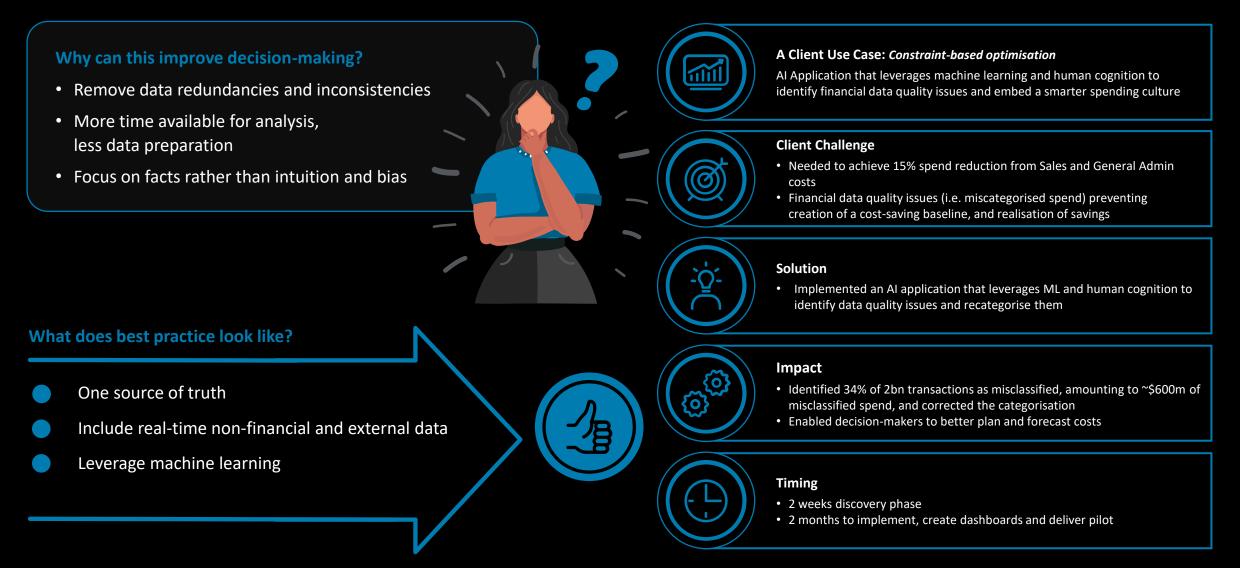
Predictive vs prescriptive

- Predictive analytics is the practice of extracting information from existing data sets in order to determine patterns and trends that could predict future outcomes.
- Prescriptive analytics is an area of business analytics dedicated to finding a potential best course of action for a given situation the "so what" that drives decision-making.

Data-driven decisions

Enhanced data proficiency will further substantiate decision making

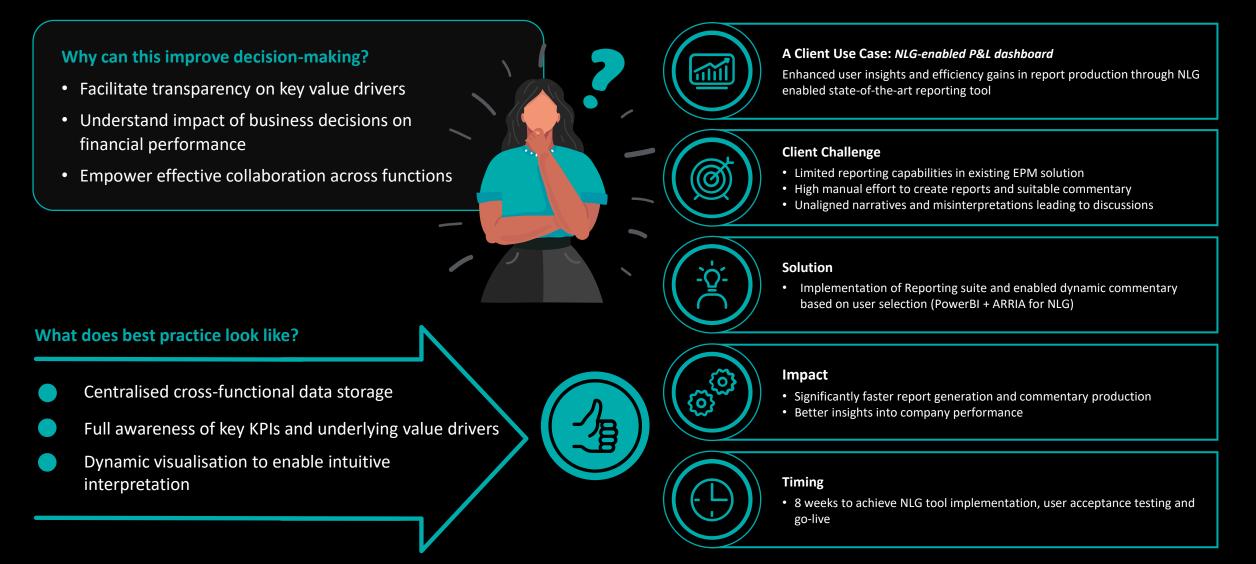




End-to-end collaboration

Focusing on holistic and cross-functional decision-making will improve performance





Prescriptive analytics

Simulating potential scenarios and constraints will enable actionable recommendations





Finance Decision Intelligence – how to bring it to life?

An example from the Consumer Retail industry

Here is the story of a large retail clothing company (K&M)

In late winter 202X K&M wanted to identify an optimal pricing for the upcoming summer season

Aim:

• Optimise the revenue and subsequently the gross margin of the summer collection

Actions:

- Predict the sales of clothing for the summer collection
- Optimise the promotional price that enables the highest gross margin across the summer collection

Key variable:

• Weather (long-term forecast from external provider)

Approach using Finance decision support technologies

a) Predicting and Scenario Modelling:

We predicted revenue and gross margin, modelling six different weather scenarios, using three types of data:

- External data: weather forecast
- Internal data: financial
- Internal data: non-financial
- b) Machine Learning & Mathematical Optimisation:
- Step 1: we considered constraints such as inventory levels, production capacity, staff availability, and we calculated optimal revenue and gross margin for the scenarios modelled in a)
- Step 2: we used Machine Learning as K&M progressed through the spring months to learn how the external weather data and internal financial and non-financial data have influenced the optimal revenue and gross margin
- **Step 3:** we again considered constraints, this time to calculate the optimal promotion price for clothing for the rest of the season, ensuring the optimal revenue and gross margin will be reached
- c) Prescriptive Analytics:

We made use of prescriptive technology to guide K&M towards the best course of action under the scenarios calculated in a) and b). Therefore, Finance helped the organisation plan resources with more precision, and with higher confidence in reaching its aim: "Optimising the revenue and subsequently the gross margin"

Deep dive into the key technologies for Finance decision support

The approach taken by the retailer in the example above is detailed on the next slide, with a visualisation of the three key technologies used:

- Predicting and Scenario Modelling,
- Machine Learning & Mathematical Optimisation
- Prescriptive Analytics

Finance Decision Intelligence – key ingredients for success

В

A deep-dive on essential capabilities

Predicting and Scenario Modelling

Α

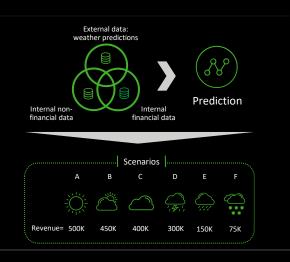
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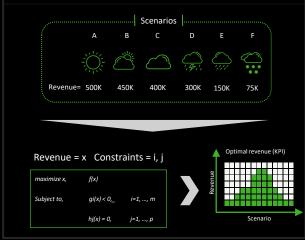
MOH

- Determines trends that can predict the future and models them into mutually exclusive scenarios
- Facilitates a prioritization and impactproofing of key business drivers
- Identify and leverage the key business drivers
- Assess and prioritize the most impactful trends and underlying data sets (internal & external)
- Define key scenarios and predict future outcomes



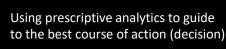
Machine Learning & Mathematical Optimisation

- Enables flexibility to maximise or minimise model outputs under defined constraints
- Leverages machine learning technology to reinforce targeted results
- Define objectives and key constraints based on significant dependencies to the key business drivers
- Optimise your objectives within the different scenarios
- Assess the outcomes and refine the machine learning algorithms if needed



Prescriptive Analytics • Generates quantifiable and actionable recommendations for the different scenarios • Identifies the potential best course of action for a given situation By combining: Key drivers and trends impact А В Optimised outcomes based on constraints

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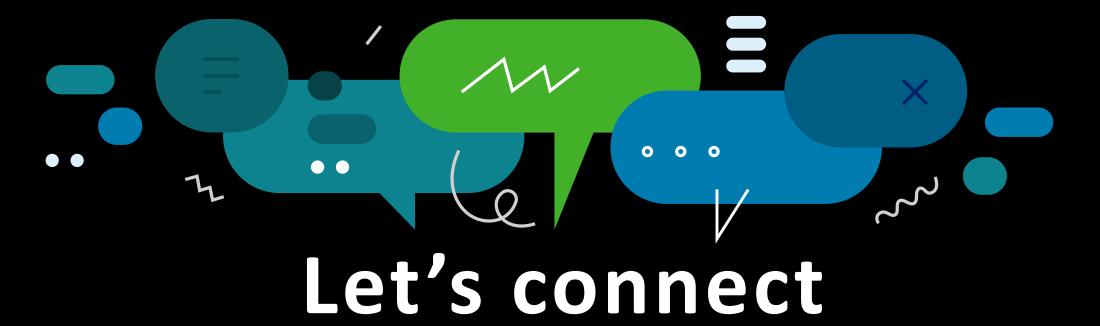


Examples of vendor platforms to use for prescriptive analytics:



Your Finance Decision Intelligence journey Some practical tips for how to get started

Identify and priori use cases	tize suitable the availability data (both inte	d understanding of y and quality of key	Assess available technology • Evaluate the analytical	Define required skills Make sure you have the 	Design a Proof of Concept
 Listen to the busine understand where insights can truly de 	mproved define measur	res for how to close	maturity of your existing tool landscapeAssess the need and	right people and skills on board – be careful not to overstretch	
 Prioritize identified make sure the mos addressed first 	use cases to		viability for additional technology	 existing teams Activate and mobilise all relevant stakeholders (incl. key leadership and management personnel) 	



We are looking forward to hearing from you



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