

# Supply Chain Optimization: Leveraging Data Science to Improve Strategies

## Hamlet Consulting Luxembourg

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Speaker

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- **+15 years' experience in supply chain**
- **+9 years' teaching logistic operations optimization at Universities**
- **Innovation | Smart border | Transformation**

About us

# Hamlet Consulting Luxembourg

**2003** Founded in Luxembourg

**50** Consultants

**4** Countries

## Management

- Operational Excellence
- Supply Chain digitalization
- Transformation & Change management

## Technology

- Business Requirements Analysis
- Quality assurance and Testing
- IT Service Management

About us

# Hamlet Consulting Luxembourg

**Your success  
Our Pride**



**Banking**



**Insurance**



**Telco**



**Energy**



**European  
Institutions**



**Public  
services**



**Logistics**



**Transports**

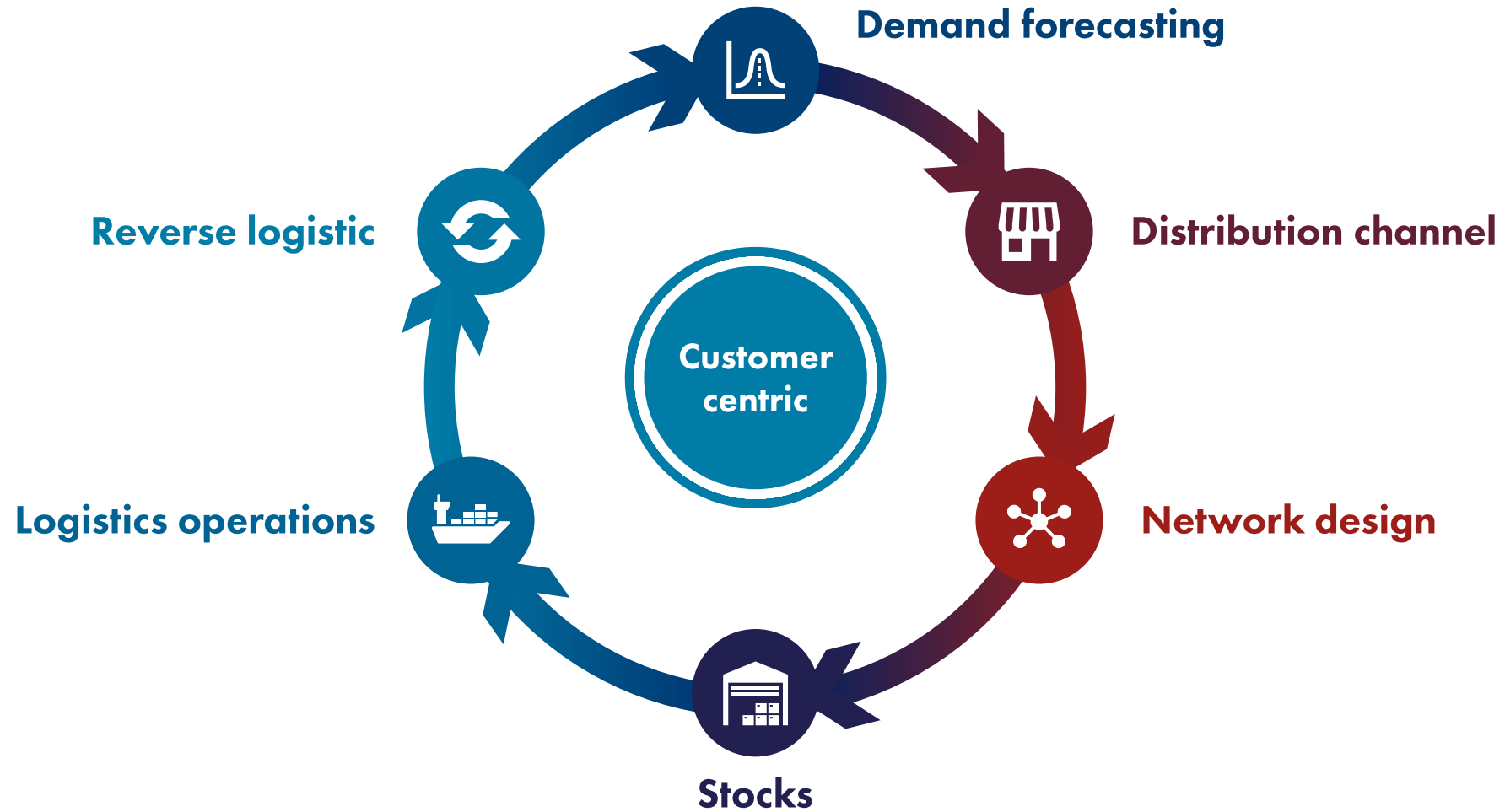
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**No AI has been used to create this content**

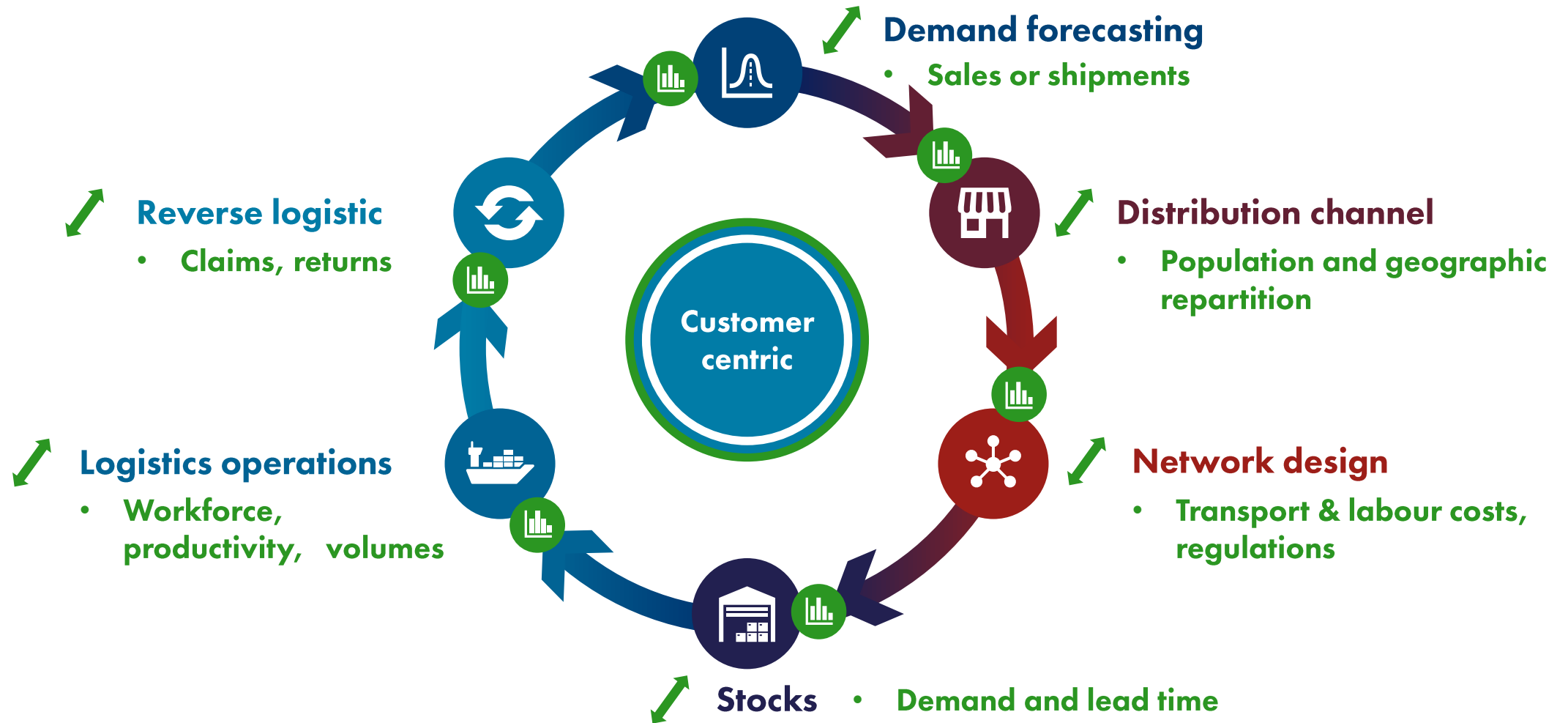
# A supply chain strategy is based on the demand...



# And integrates all the constraints to be meet the demand

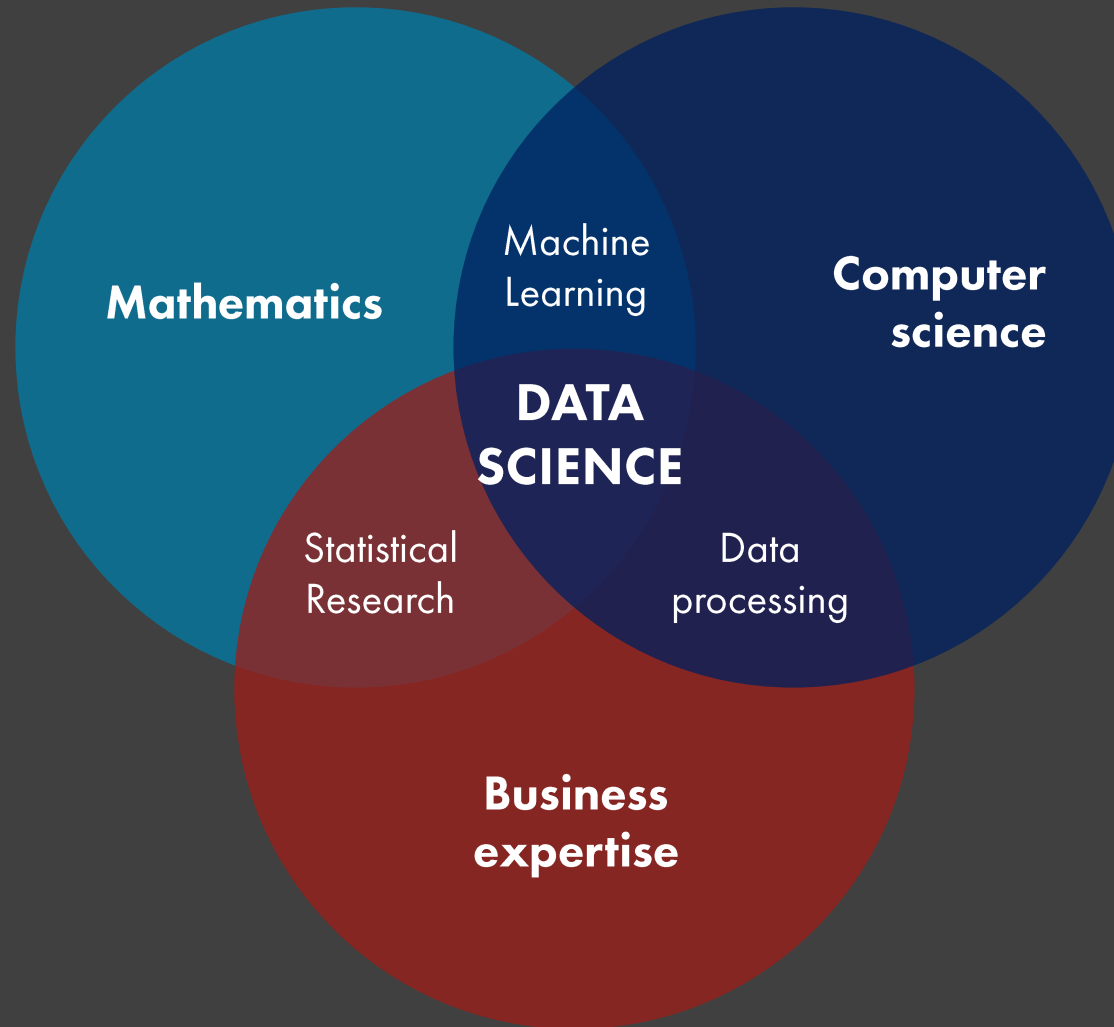


# Data science is applied to size a supply chain





# What is Data Science?



# Network design and Warehouse implementation

**Context:**

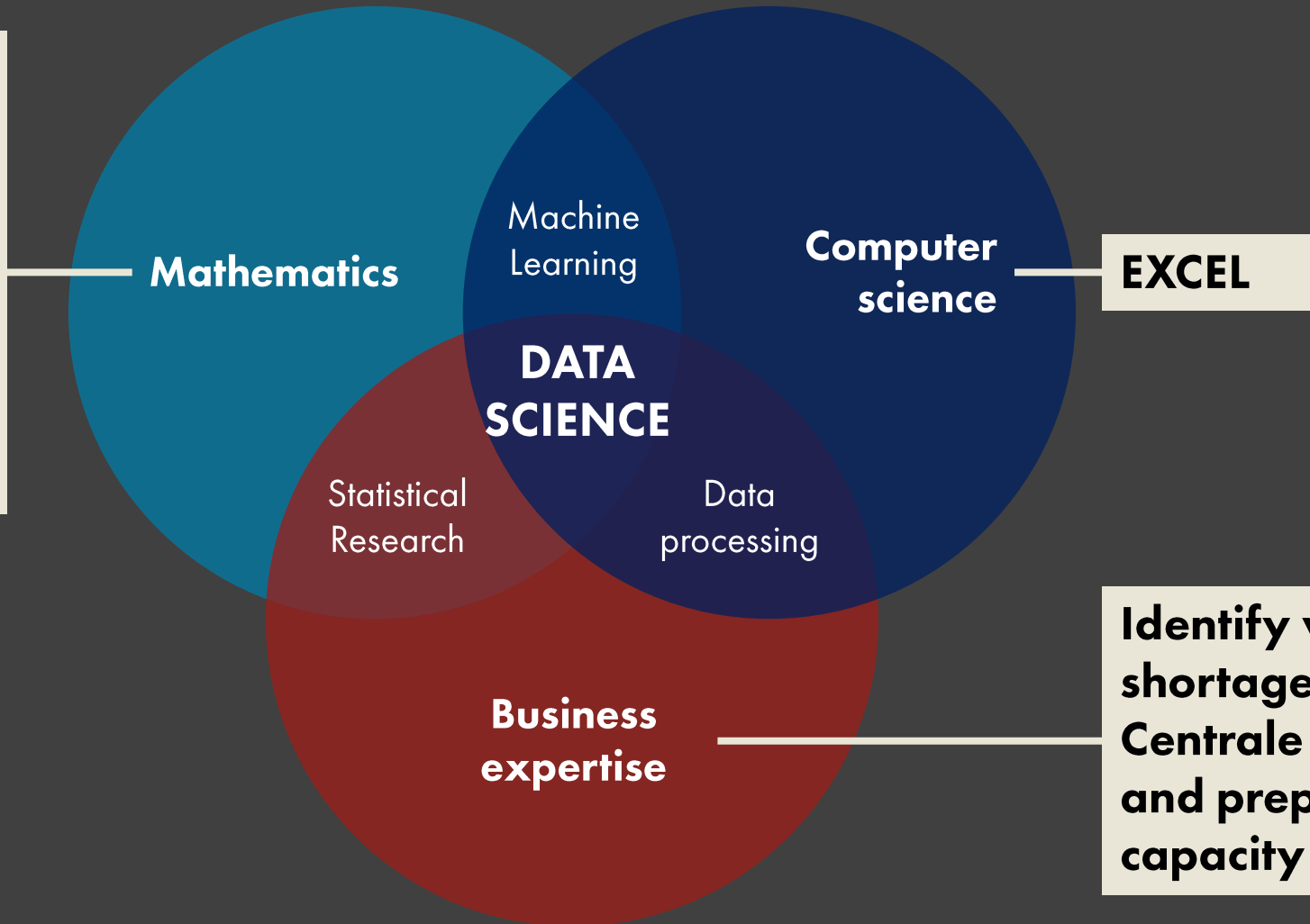
**An office furniture provider wants to improve its European supply chain strategy**

**Challenges:**

**Mutualizing storage locations, improving working capital, reducing transport costs and carbon footprint**

# Identify the best warehouse location thanks to Data Science

**Simulate scenarios with ABC and XYZ studies to categorise product and find the best location strategy**



**Identify worker shortage in Centrale Europe and prepare for capacity issues**



## **Result**

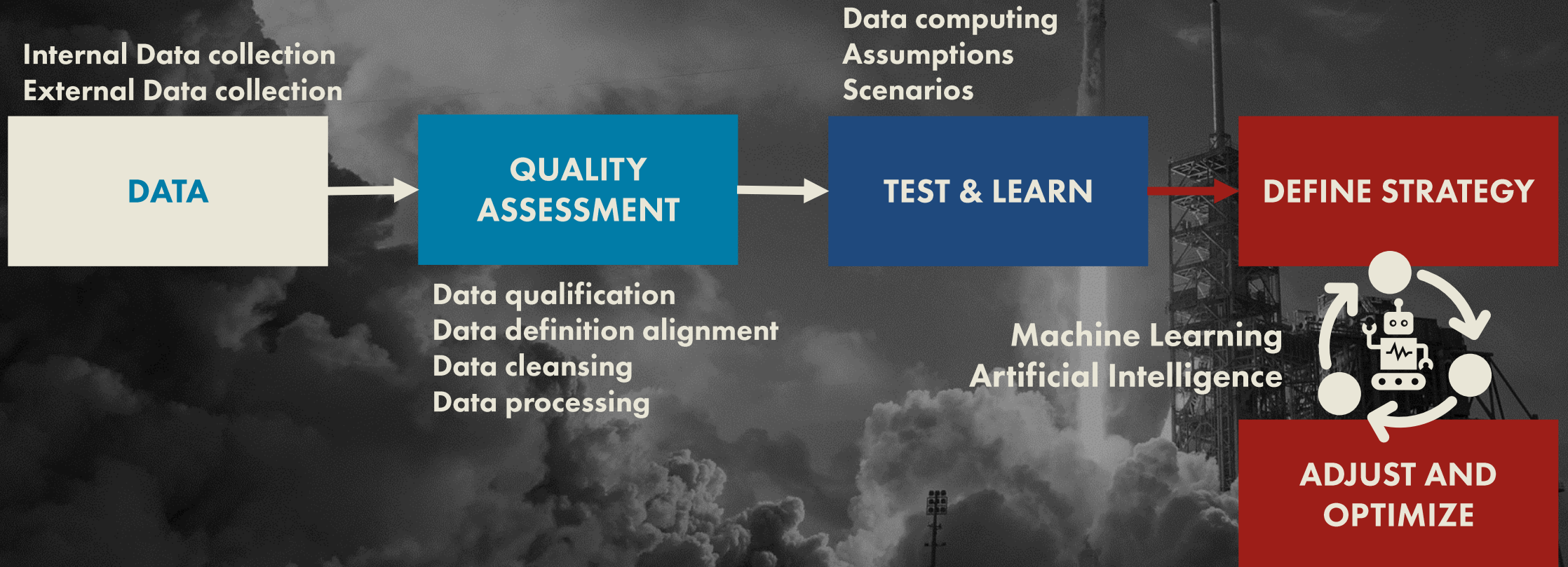
**Low rotation products were centralised and stored in Slovakia to address the European market demand**

## **Takeaway**

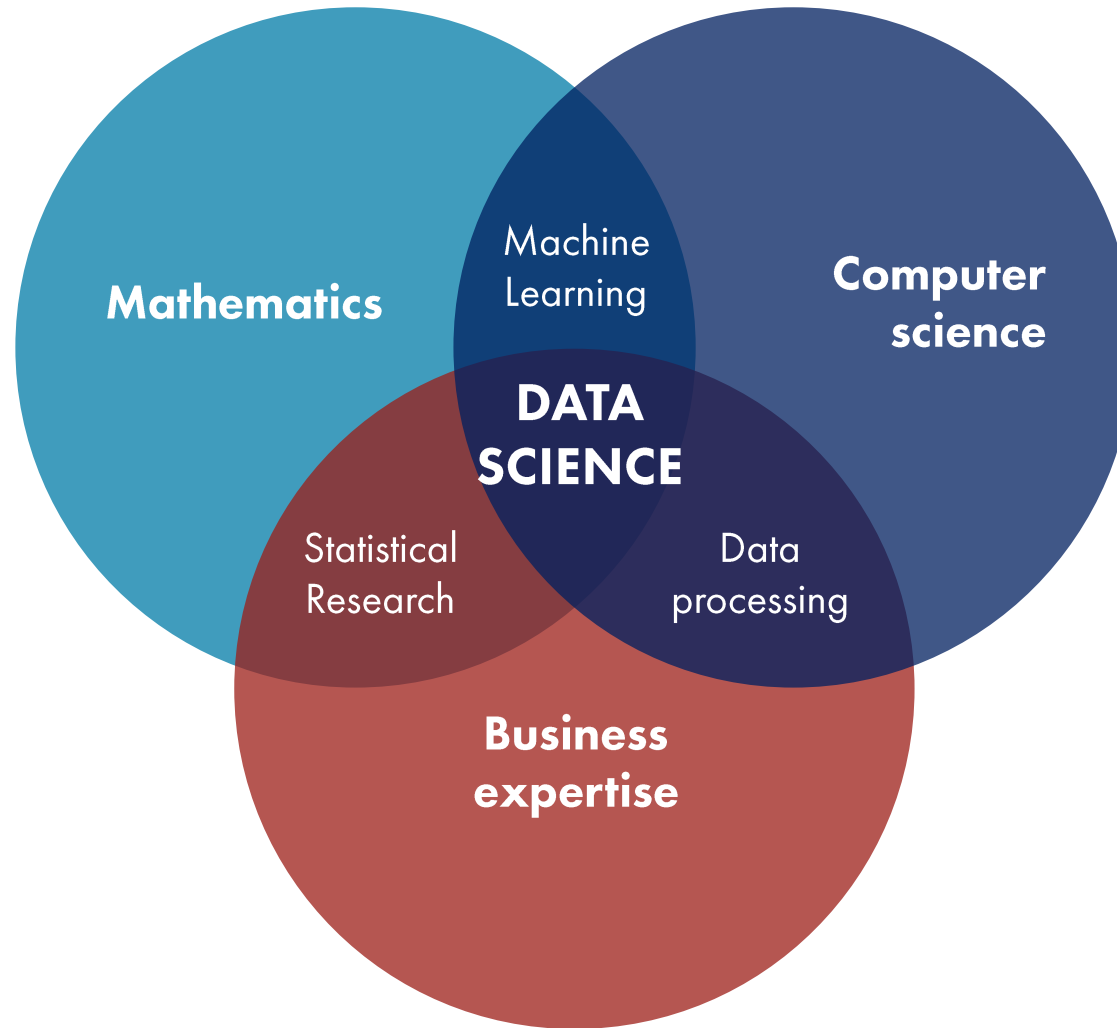
**If no Central Europe market expertise, the wrong location could have been chosen**

# What is next?

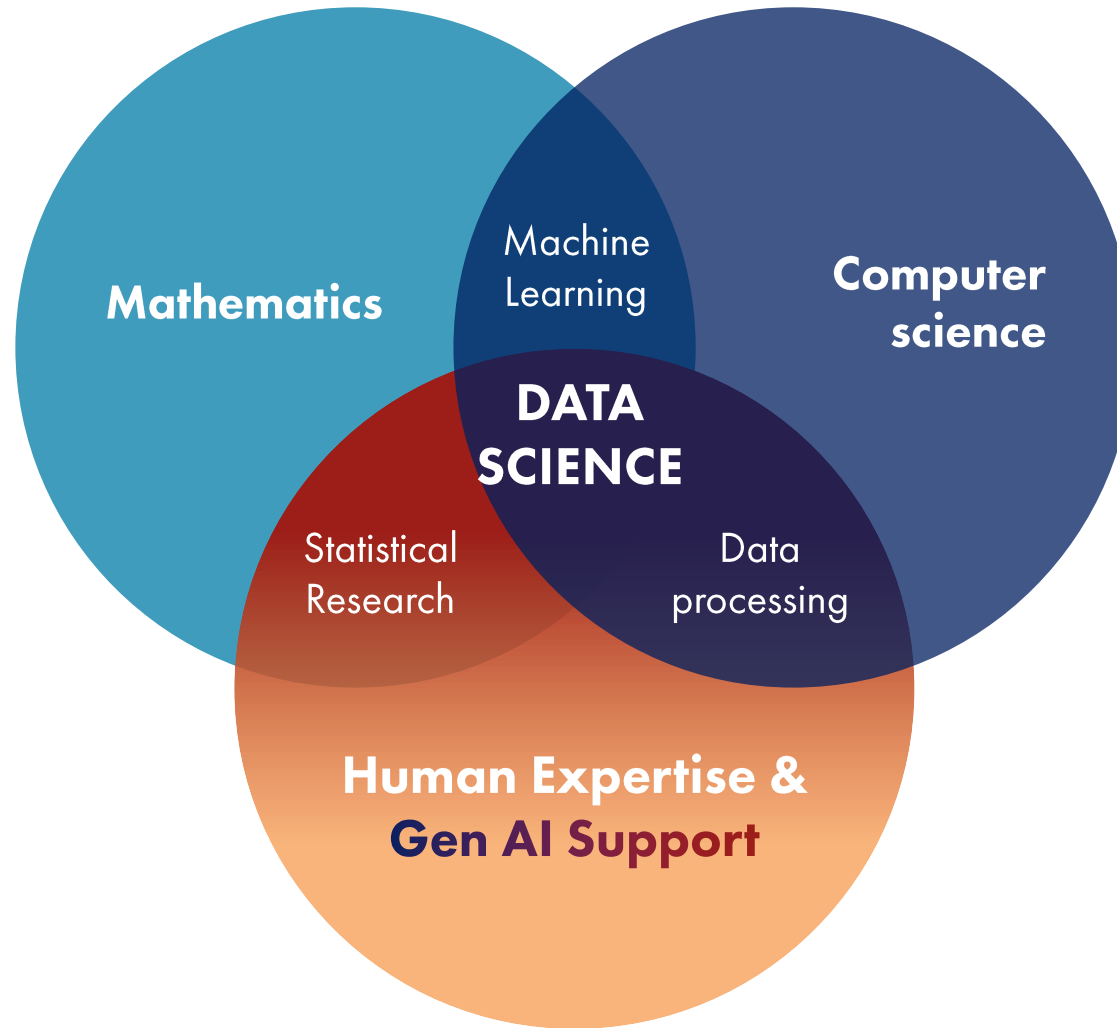
# How to Leverage Data science to improve strategies?



# Supply chains are data-driven ...



# ... and AI will enable new supply chain strategies definition





# THANK YOU



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