# **Process Mining for Logistics Guide**

#### Learn how to:

- Identify and remove process bottlenecks to make deliveries faster
- Optimize warehouse locations
- Identify relevant data for logistics process improvement



### Challenges in Logistics

#### On-time delivery fails

- Goods are delayed, lost, or damaged during shipment.
- Goods are delivered to the wrong destination.
- Wrong goods are delivered.
- Order amounts are not met.

#### Too high warehousing costs

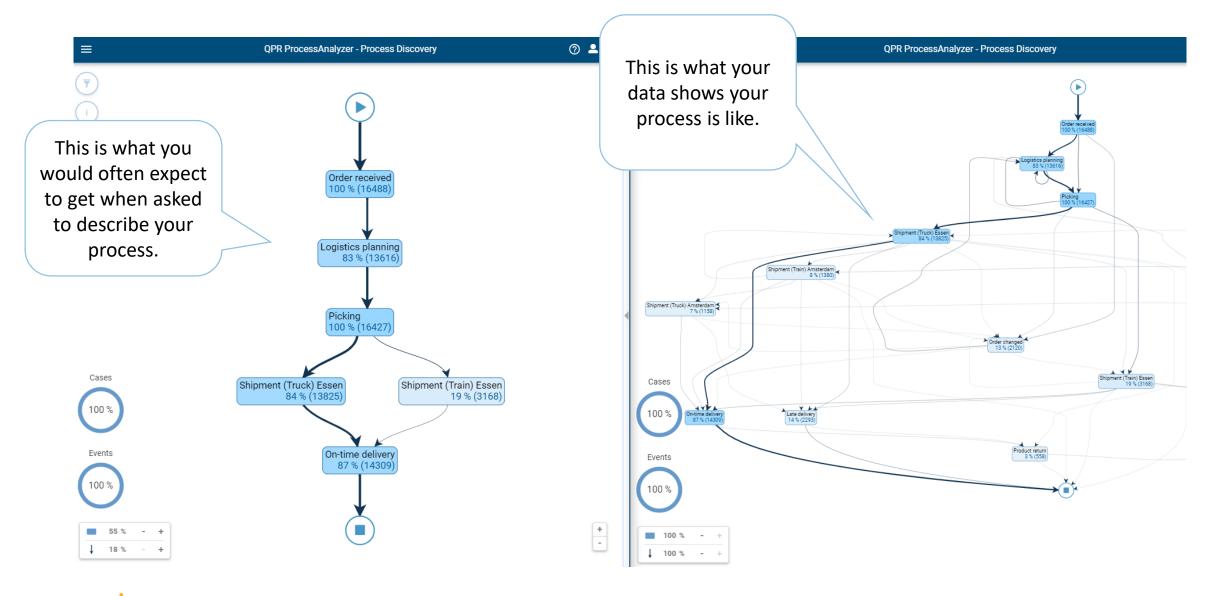
- Organization cannot pinpoint from which warehouse or distribution center the problems originate.
- Mistakes in sorting and inventories.
- Too high warehouse levels.
- Vessel capacity is too low.

#### Difficult to manage Supply Chain

- Too high transportation costs.
- Rules and regulations are not followed.
- Too much data in operative business systems about supply chain performance and key influences.
- Logistics data is rarely used for process improvement.
- No proper visibility to ERP what logistics data it actually contains and what can be drawn out.
- Strategic objective to develop new supply models to address gaps in existing delivery capabilities or to move from Make-to-Stock to Make-to-Order supply model.
- No clear visibility to supply chain.
- Production is halted due to missing raw materials.

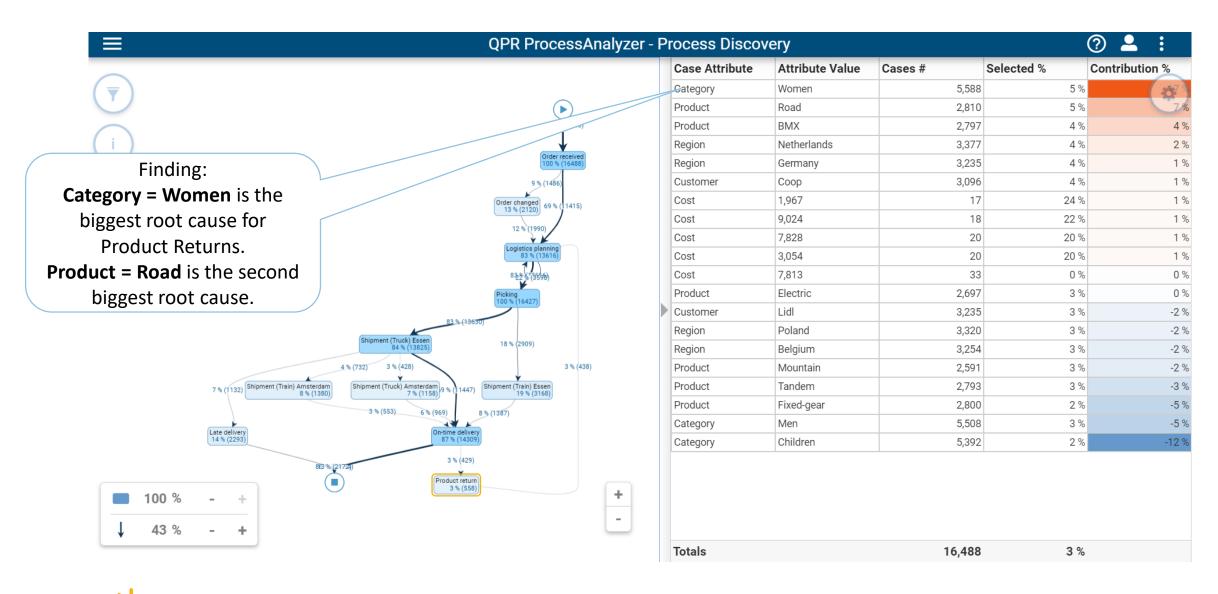


### Transparency to as-is end-to-end logistics process



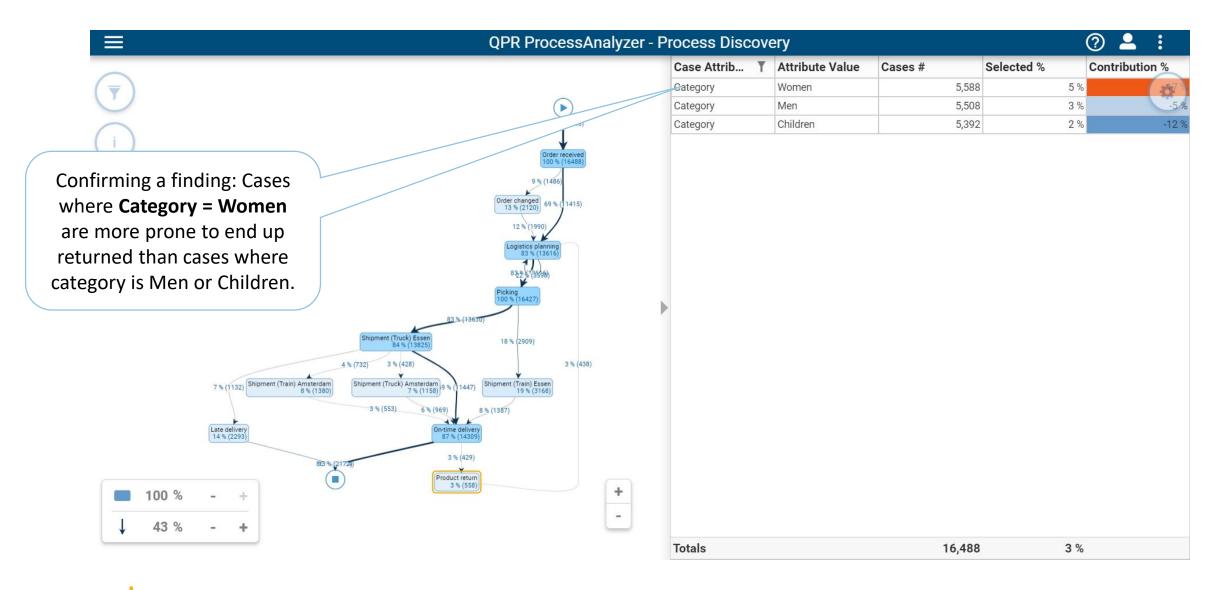


### Product returns and reverse logistics – root causes



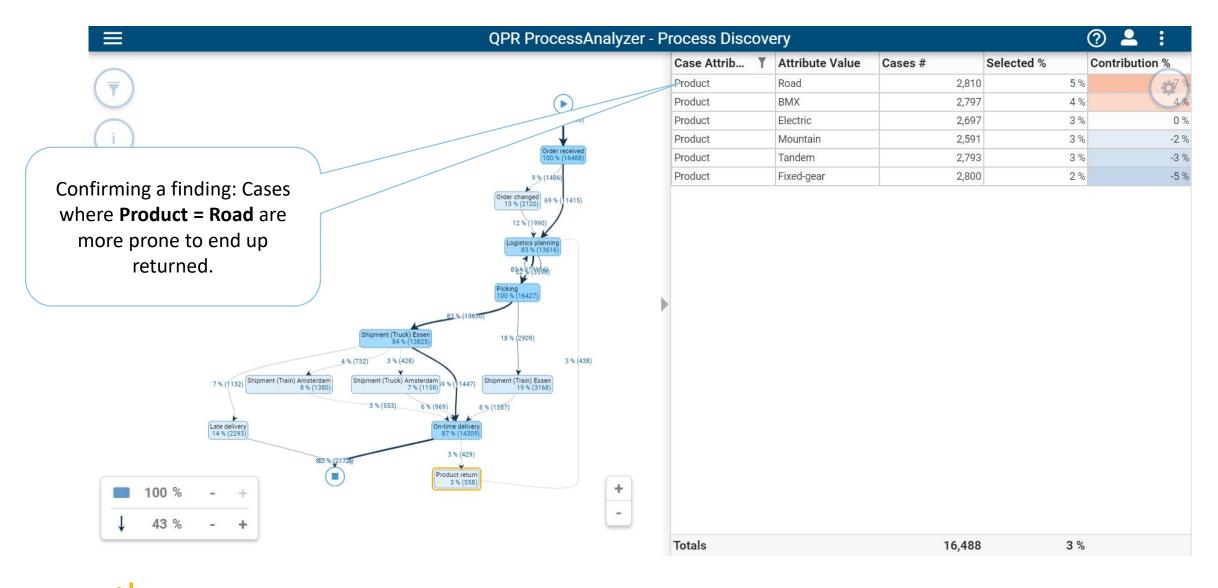


# You can double-check your findings by focusing on particular case attributes



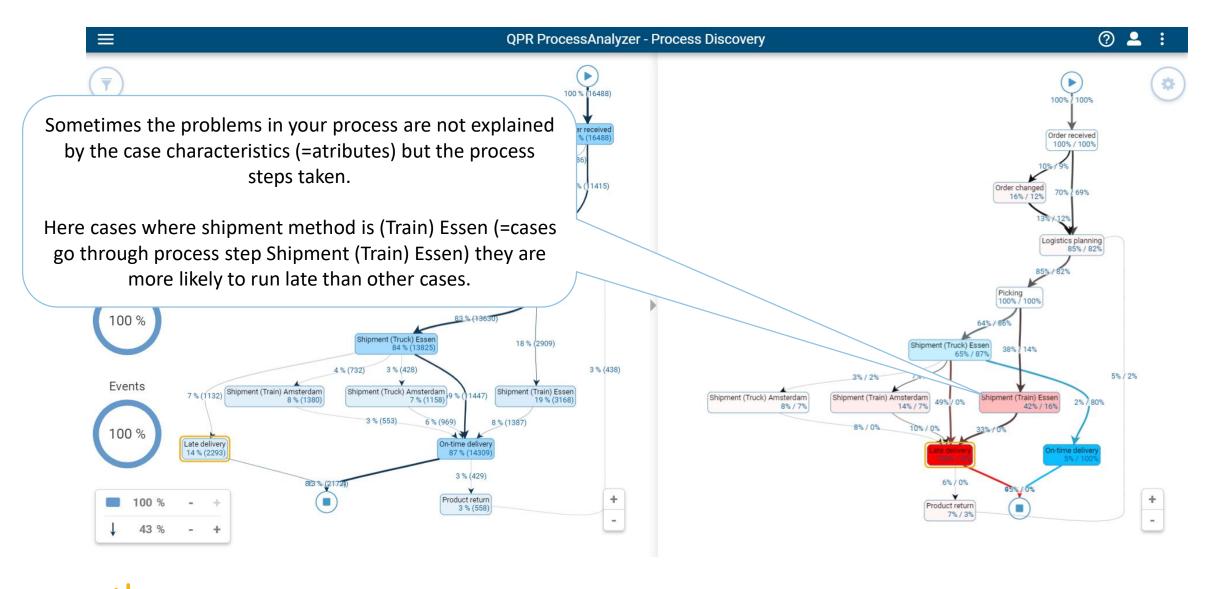


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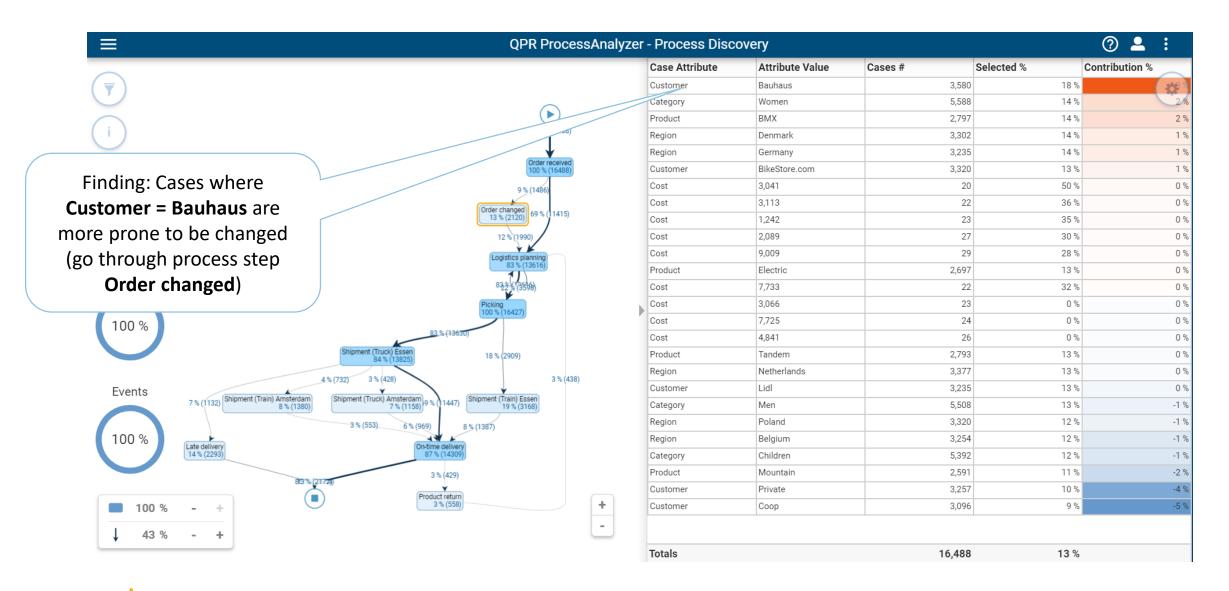




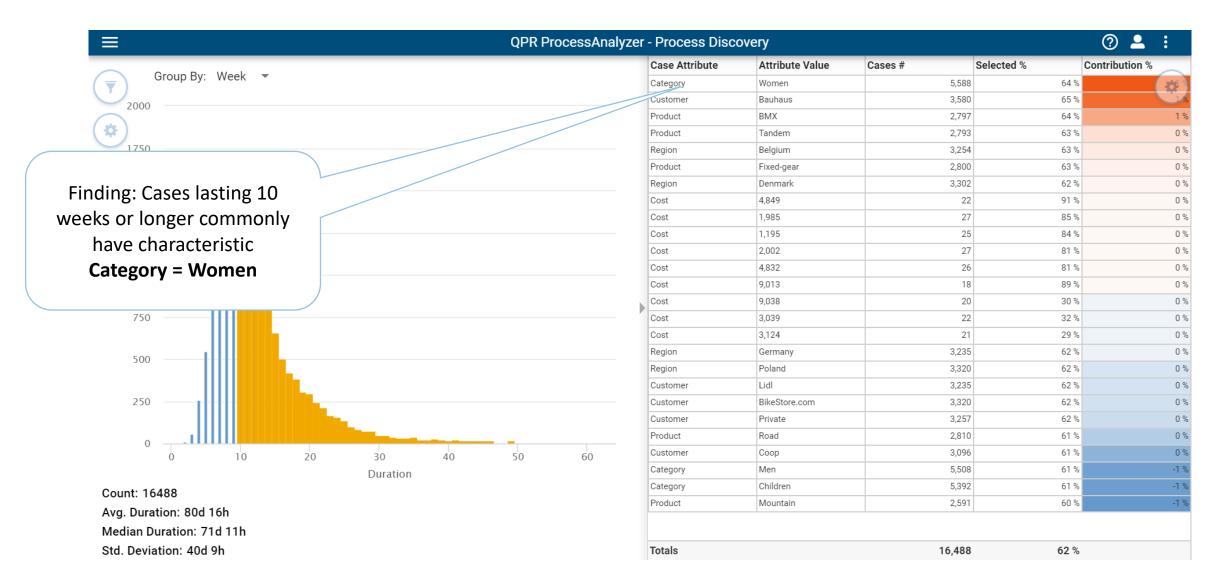
### Dependency between process steps and successful process execution













## QPR Process Mining Benefits for Logistics

# On-time delivery +13%

- Goods delivered on time.
- Order amounts are met.
- Right goods delivered to right destinations.

# 40% savings in warehousing costs

- Less mistakes in sorting and inventories.
- Warehouses on adequate level.

# 20% wider geographical reach

- Optimized warehouse and distribution center location.
- Adequate vessel capacity.



### Customer cases – Nokia & Terumo Europe

#### https://www.qpr.com/customers/nokia





🚣 Nokia Success Story

Nokia - Value of Process Mining in Supply Chain Presentation by Fauzia Khan

#### https://www.qpr.com/customers/terumo-europe





🚣 Terumo Europe Success Story

🚣 Terumo Europe - Combining Effectiveness of KPIs & Efficiency of Process Mining



# How can we help?

- > Do you have questions regarding this Process Mining for Logistics guide?
- > Would you like to speak to our experts to learn more about how process mining can help improve your logistics or supply chain processes?

# Chat with us today









