

Stackable



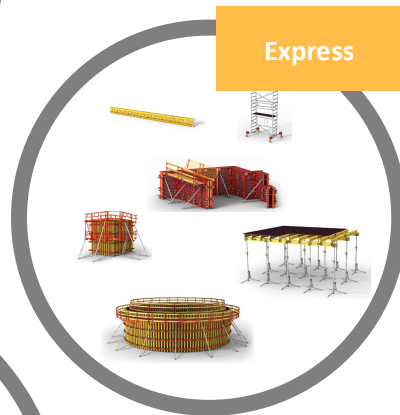
Fragile



Prio 1



Express



November



Stackable



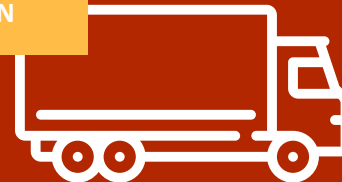
No Prio



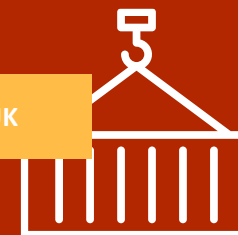
October



SIN



UK



AUS



GER



RUS



SIN



GER



CA



CH





### ***Versandfällige Vorgänge: Kundenauftragseinteilungen***



 Auffrischen  Lieferung erweitern  Ladungsgewicht simulieren  Lieferung anlegen  Bereitstellzonen Info  Planung durchführen  Planung löschen

[illegible]

?



# Pain Points

1



complex planning  
(7 stages)

**Communication  
Complexity**

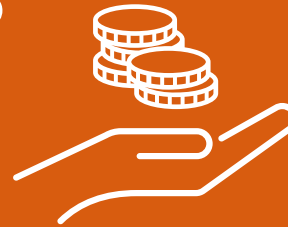
2



feedback delay of  
3 days

**Customer  
Satisfaction**

3



> 1000€ per  
transport vehicle

**Cost  
Pressure**

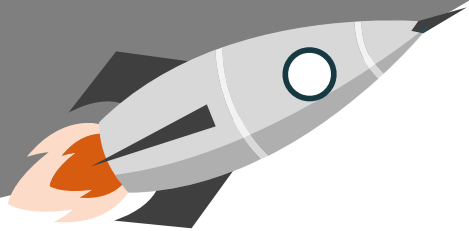
4



630 kg CO<sub>2</sub> per  
transport

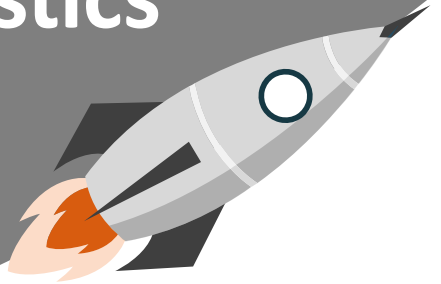
**Resource  
Sustainability**

# Technology-Driven Transport Optimization of Non-Standard Item Logistics



PERI HQ

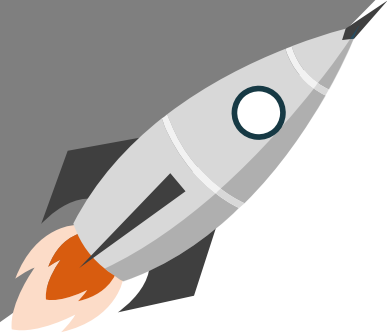
# Technology-Driven Transport Optimization of Non-Standard Item Logistics



PERI HQ

PERI Group

# Technology-Driven Transport Optimization of Non-Standard Item Logistics



PERI HQ

PERI Group

Construction  
Industry

# Technology-Driven Transport Optimization of Non-Standard Item Logistics



14.1 bn  
US\$

PERI HQ

PERI Group

Construction  
Industry

Logistic  
Sector

# Improvements

1



complex planning  
(7 stages)

2



feedback delay of  
3 days

3



> 1000€ per  
transport vehicle

4



630 kg CO<sub>2</sub> per  
transport



# Improvements

1



complex planning  
(7 stages)

**-57%**

**streamlined planning  
(3 stages)**

2



feedback delay of  
3 days

**-100%**

**instant  
feedback**

3



> 1000€ per  
transport vehicle

**-10%**

**100€+ savings  
per transport**

4

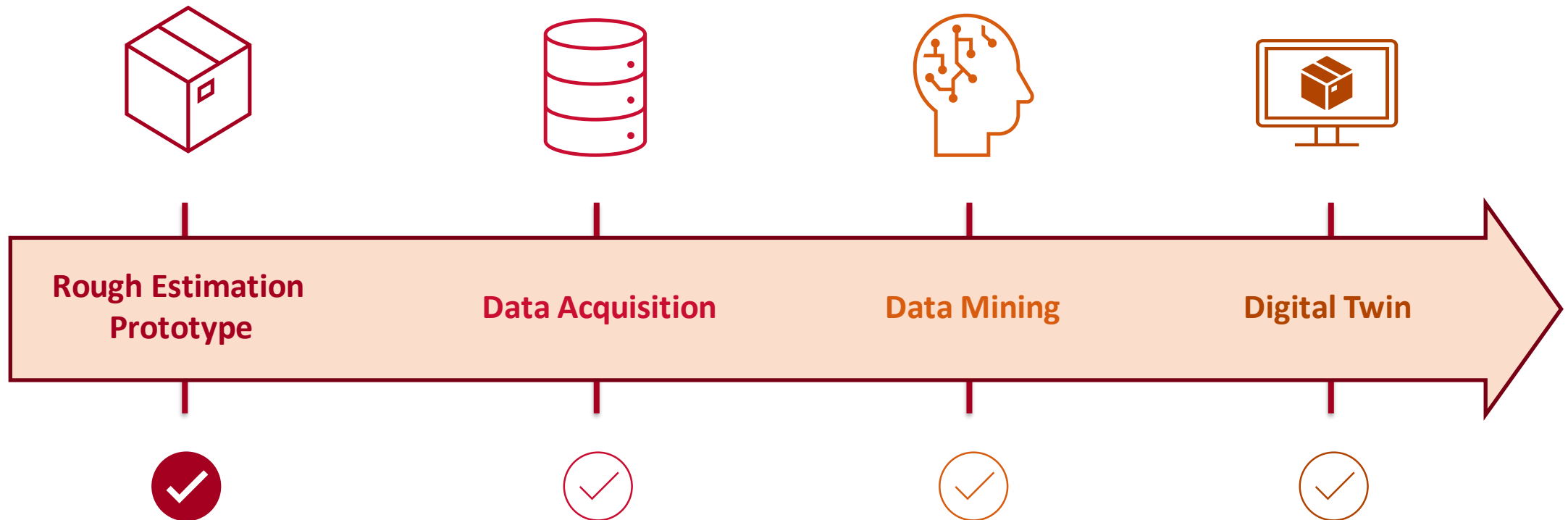


630 kg CO<sub>2</sub> per  
transport

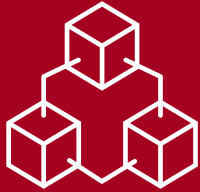
**-10%**

**63 kg less CO<sub>2</sub>  
per transport**

# Vision



# Rough Planning Automation Tool

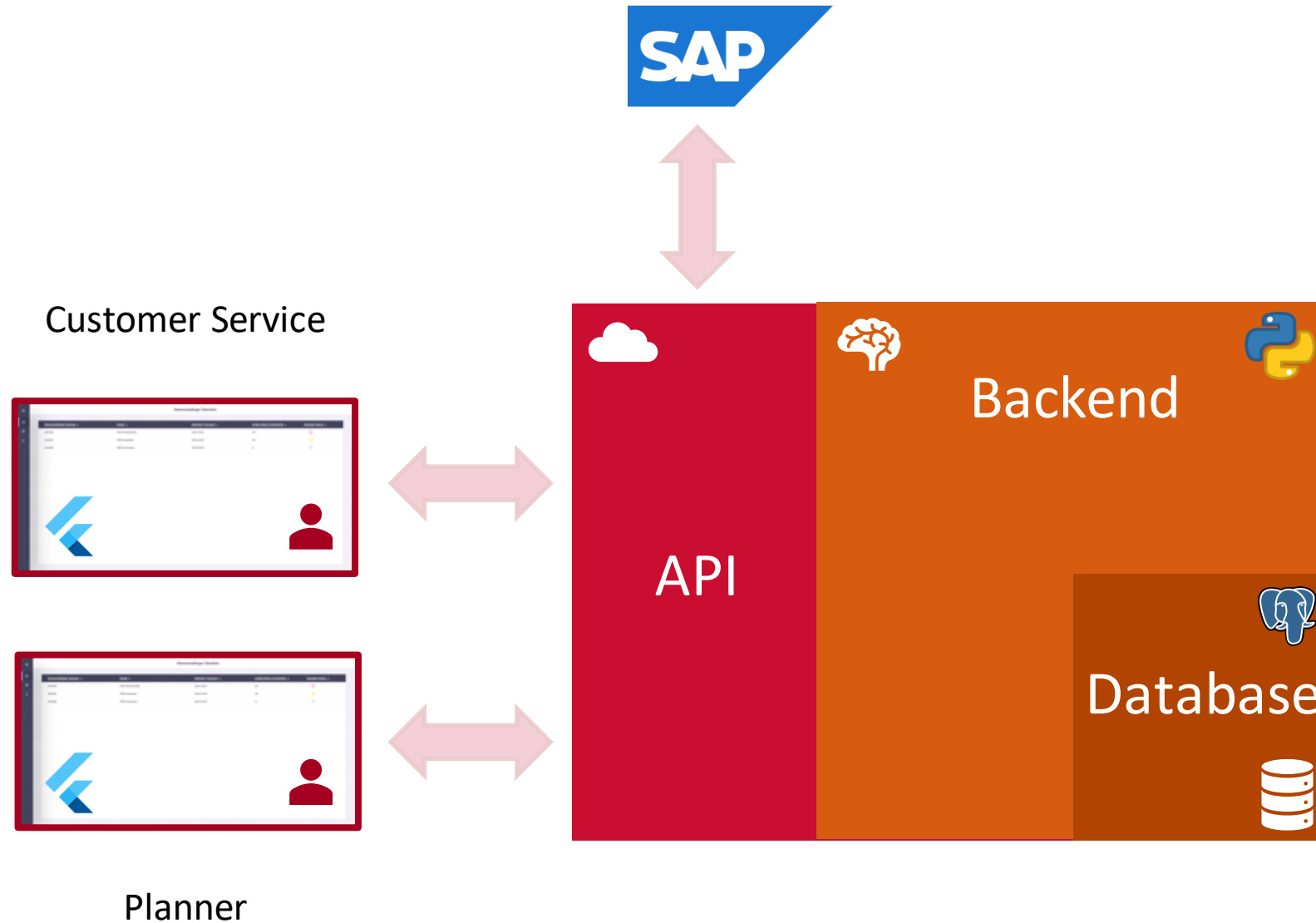


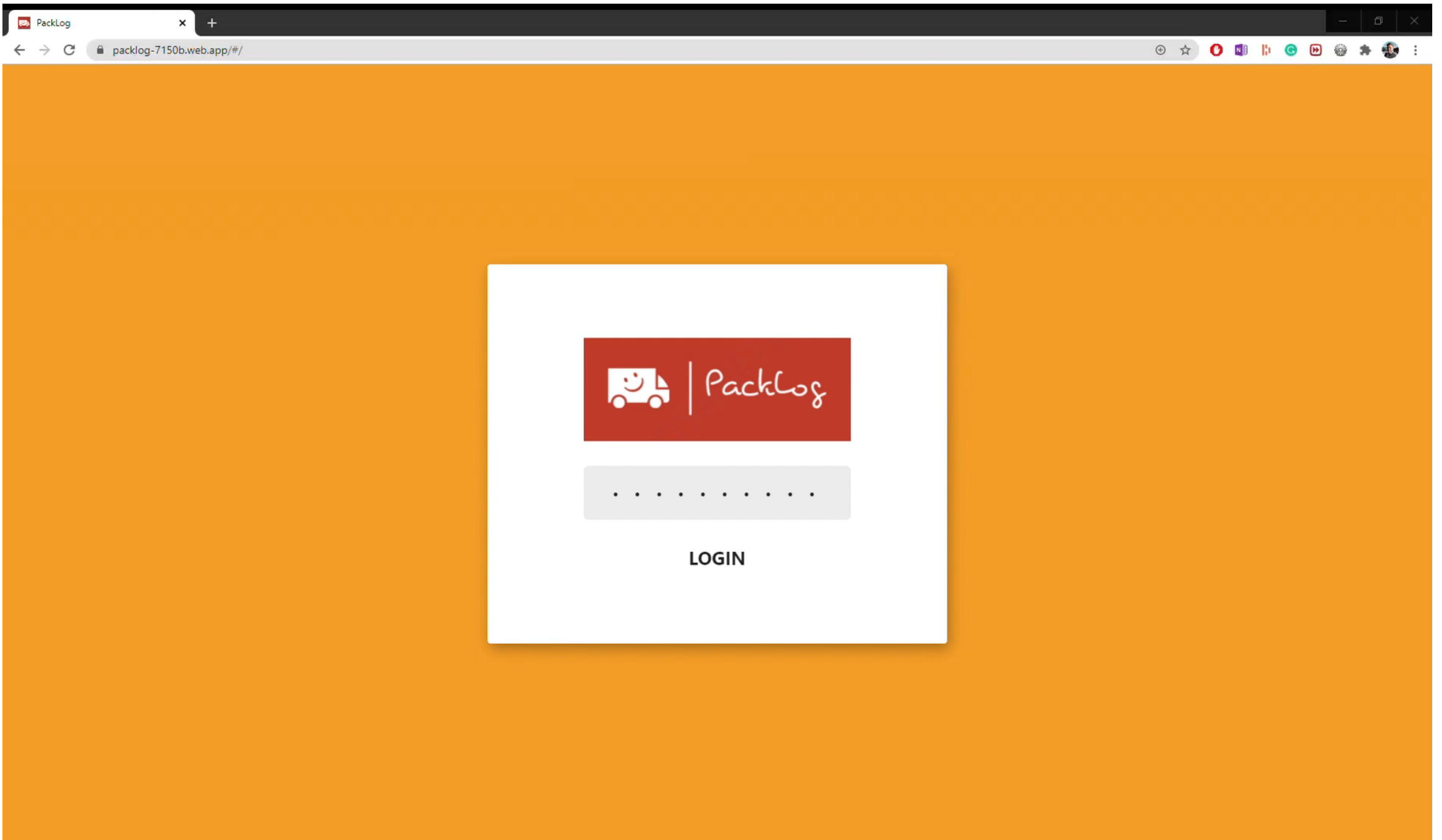
**Planning  
Automation**



**Planning  
Optimization**

# Software Architecture





# THANK YOU

GET IN TOUCH WITH US!



**Leander  
Lauenburg**

M.Sc. Robotics  
Cognition Intelligence



**Franz  
Schubart**

M.Sc. Mechanical  
Engineering



**Lukas  
Pries**

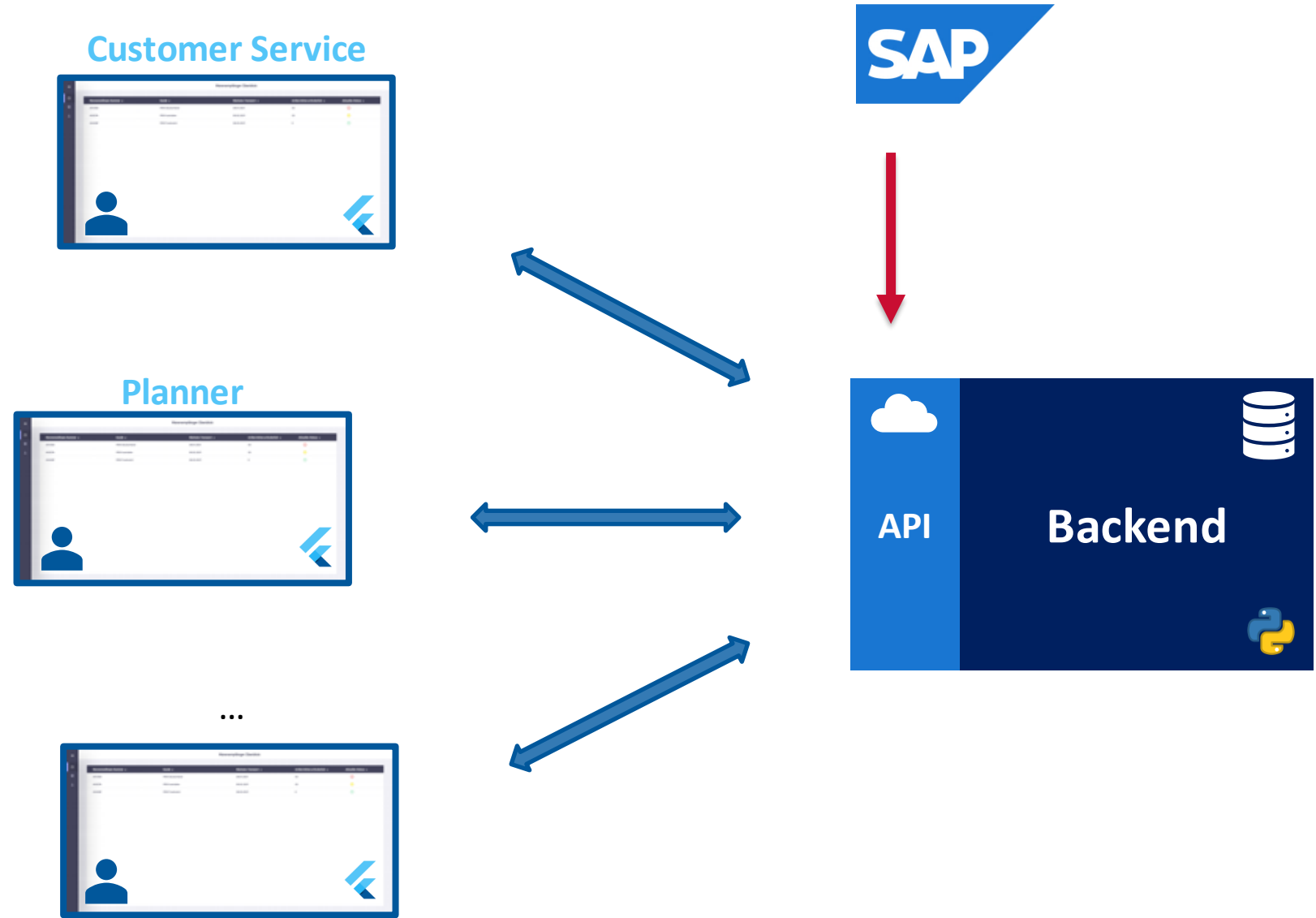
M.Sc. Robotics Cognition  
Intelligence



**Marcel Perez  
San Blas**

M.Sc. Management &  
Technology





## Customer Service



## Planner

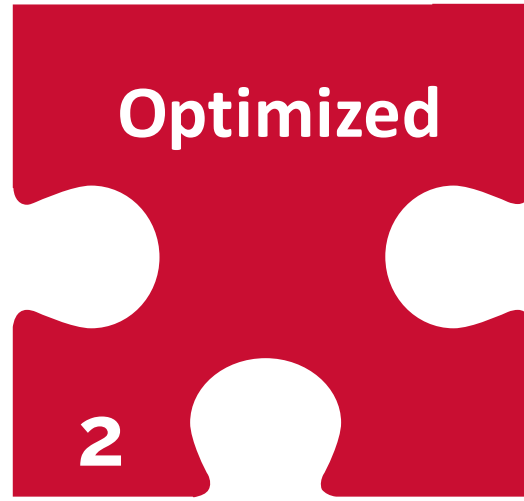


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**Data Acquisition**



**Data Mining**



**Digital Twin**