

Schiphol in numbers 2022



52.5 million passengers



313 direct destinations



37% transfer passengers



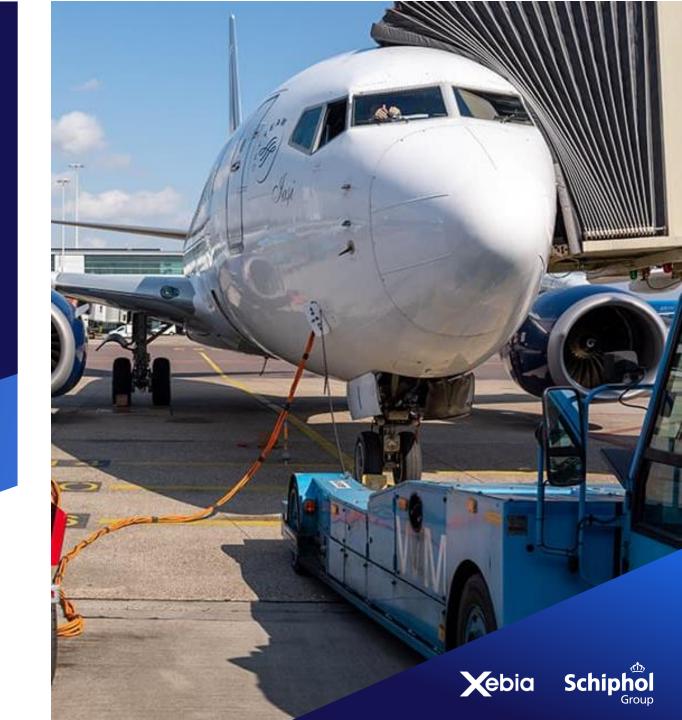
397,646 movements



123 ramps



6 runways



Our reality Key challenges at Schiphol



Delayed flights

Airlines, airports & ground handlers experience operational and financial implications from delayed flights



Runway capacity

Airports are constrained in the runway capacity and want to optimize runway usage



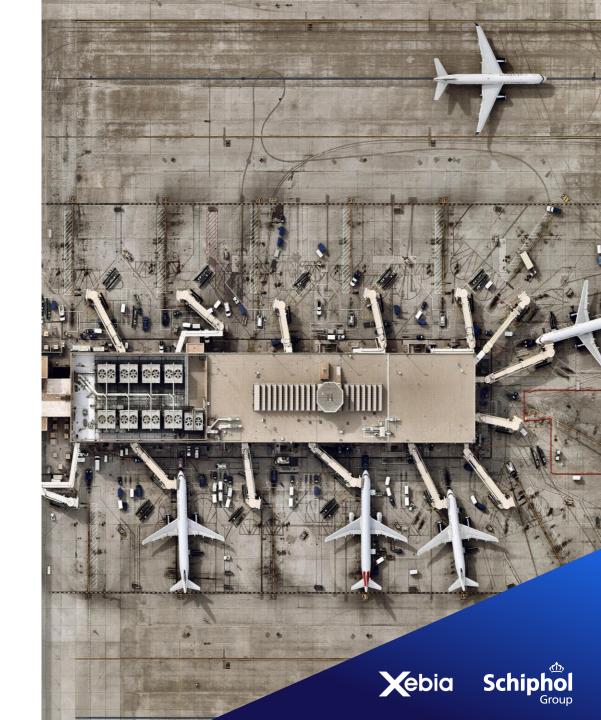
Ramp Capacity

Airports have limited insight into inefficiencies of turnaround process and want to optimize usage of gate capacity

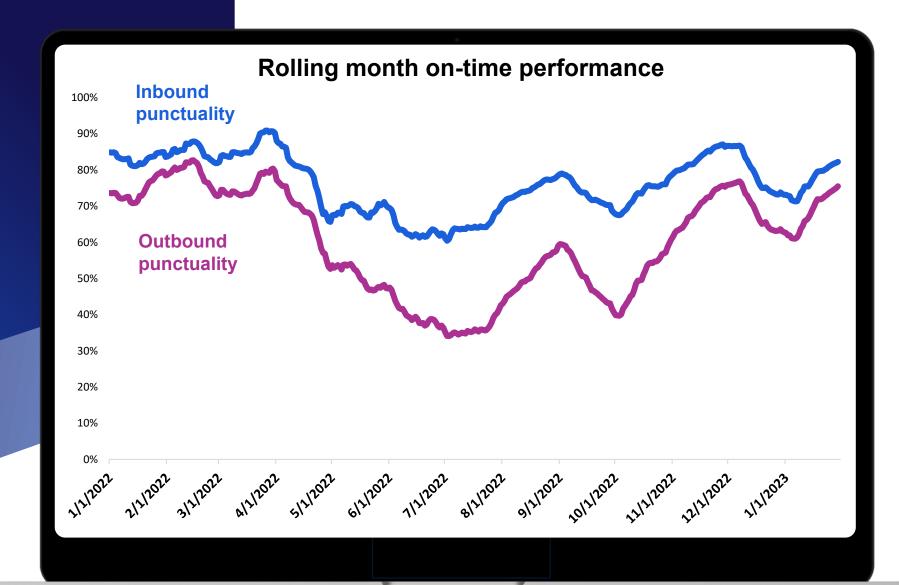


Collaboration

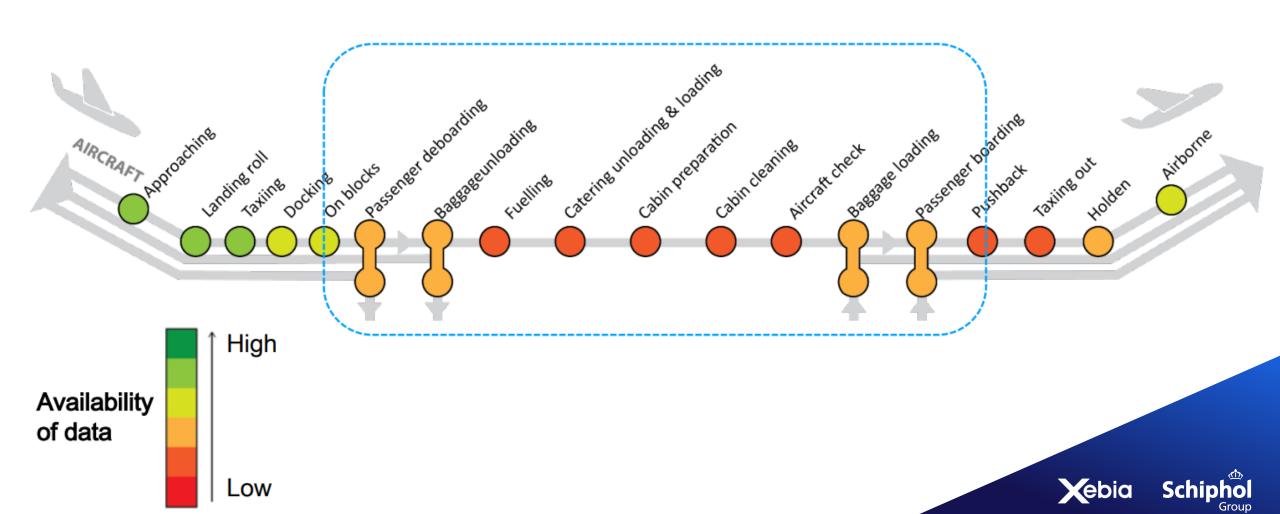
Collaboration challenges between airlines, ground service providers & airports. Desire for actionable insights and integration into existing systems.

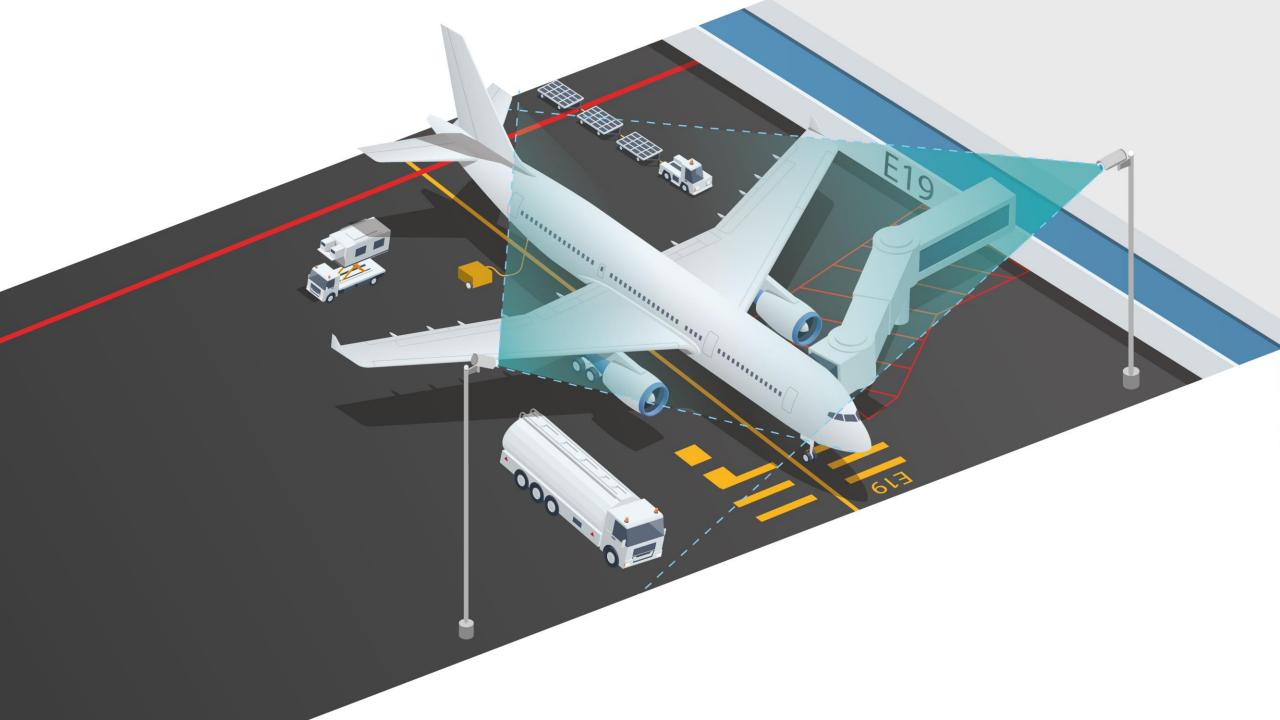


Something is happening on the ground



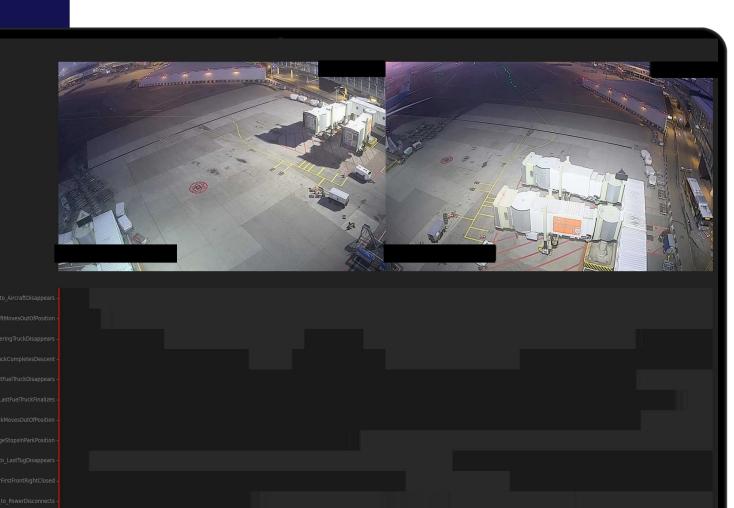
Turnaround process







The end-to-end Al model gives an accurate depiction of what is going on at the ramp in real-time



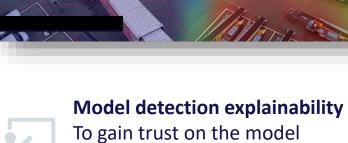
Data Centric Al

Our approach for generating high quality detections









predictions



Diverse dataset To improve model performance in many different scenarios



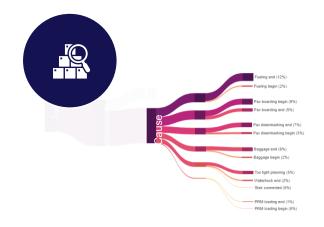
Train model with outliers To have a model that performs well even during rare scenarios



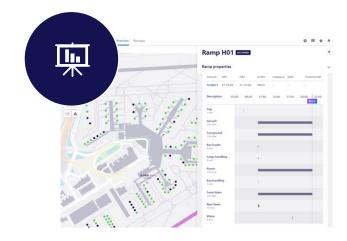


Business applications

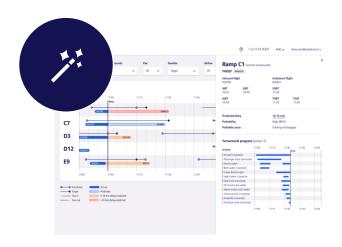
Is opening the black box enough?



Historic analysis of turnaround data and potential causes of delay to drive improvements of turnaround processes



Real-time dashboarding with turnaround insights available for airport and sector partners to aid decision-making



Predictive notifications on disruptions and delays by leveraging Artificial Intelligence and business rules

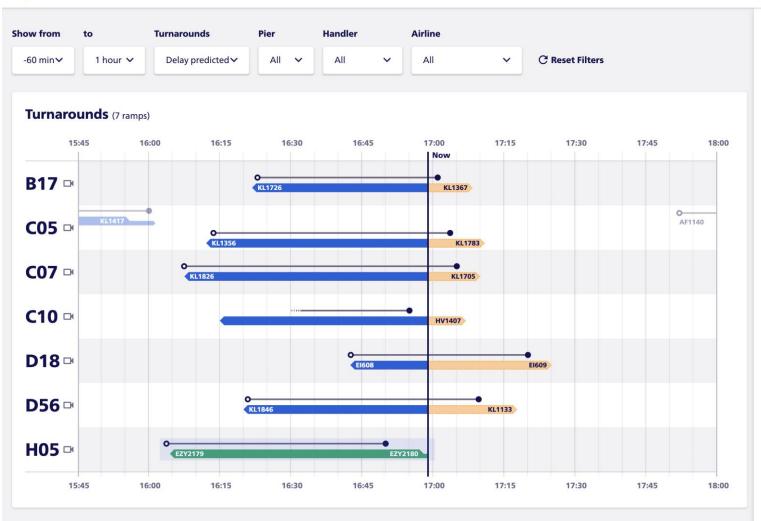




Predictive modelling PEGT

Stand-alone Turnaround Insights dashboard







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We aim to strengthen collaboration in the industry – solution available to airports worldwide

