

# Sustainable Taxiing at Schiphol

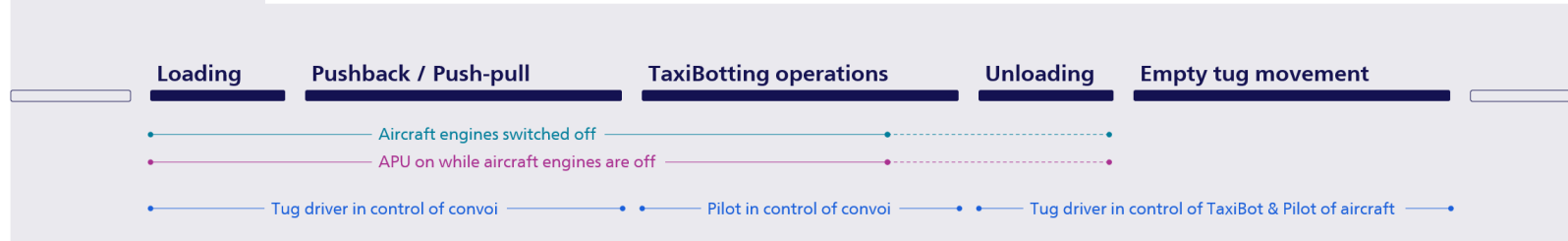
Using TaxiBots to taxi aircrafts without their own engines



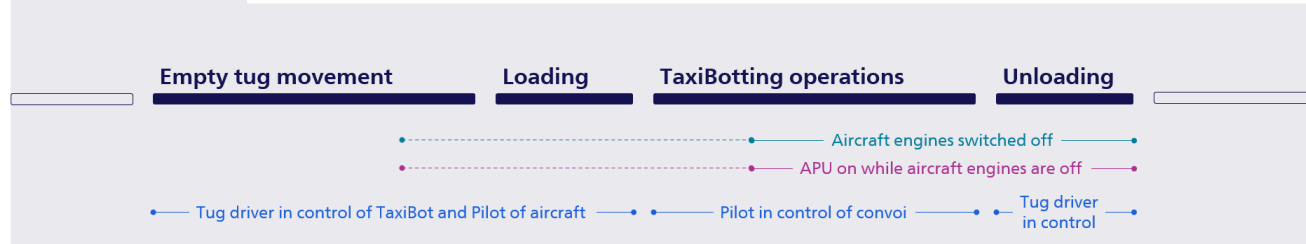
# SESAR 2020 SHOWCASE

Our goal is to drastically reduce emissions for aircrafts on the ground - we use an airport-based system (TaxiBot) that can be controlled by the PiC and allow shorter engine-on time

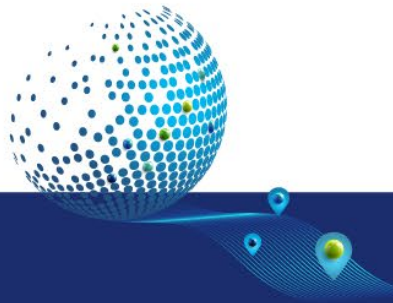
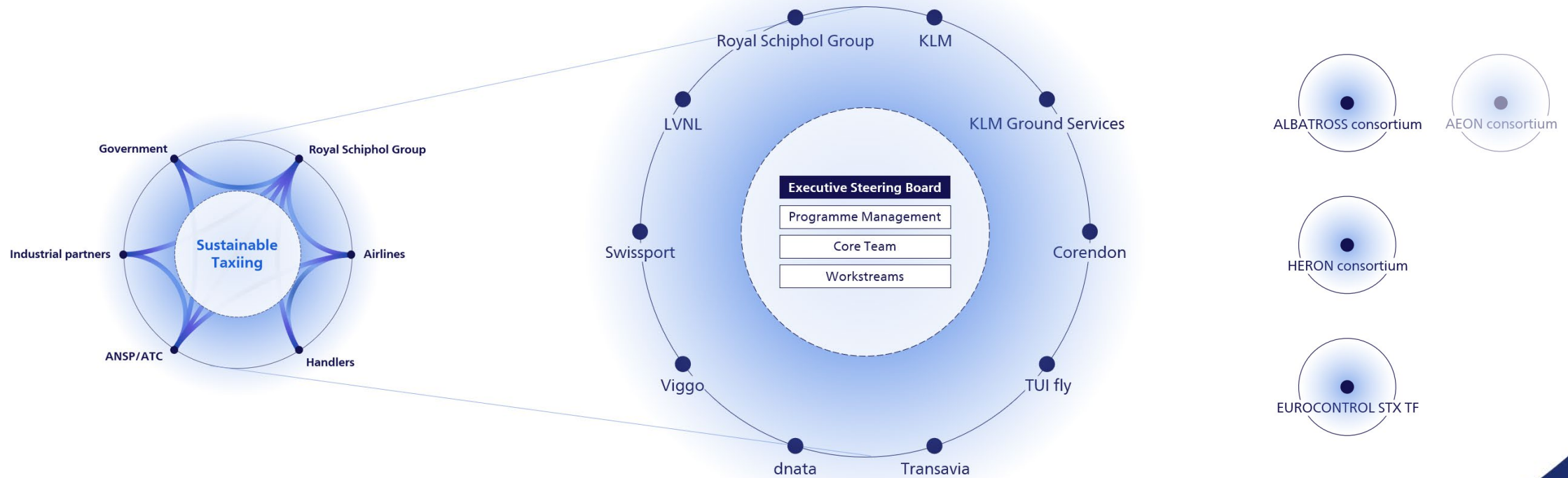
### Outbound missions



### Inbound missions



Our approach is to involve all relevant stakeholders from the get-go to make sure we continuously align all points of view

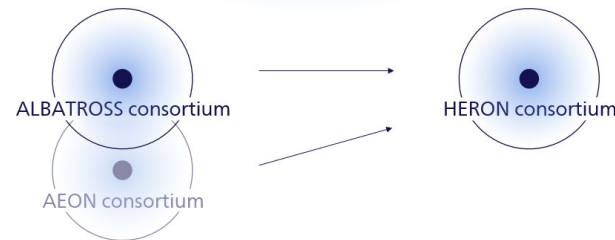


## Before the TaxiBots could drive around at Schiphol, we already achieved many concrete deliverables and lessons learned

- 200+ hypotheses
- 175+ research questions
- Ongoing incremental updates
- 'Pivot plan' overhaul
- Draft Concept of Operations (CONOPS), pending ATC approval
- 2 updated TaxiBots with tailored modifications
- Updated training material and a train-the-trainer programme with hands-on lessons
- Field checks to verify our airport infrastructure
- Operational showcase to restart utilization



# Working hard to update our plans based on the lessons from ALBATROSS, the findings in AEON and our stakeholders to ramp up HERON



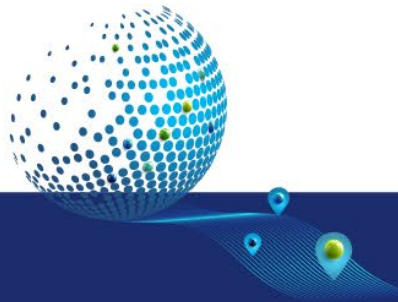


**Max Davidse**  
Product Owner Sustainable Taxiing  
Royal Schiphol Group

[Max.davidse@schiphol.nl](mailto:Max.davidse@schiphol.nl)

Thank you for listening  
Feel free to reach out for more

**Schiphol**



#SESARShowcase

#EuropeForAviation