



Sustainability: Airports and their GSE Electrification Roadmap – Insights & Learnings











## **Drivers & Challenges**





What are the drivers for the airports to transition towards electrification & analyse the challenges associated with transitioning to electric ground service equipment?



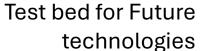
Combining maintenance works with electrification



SHERPA E

() (i) (i)

Limited space, delicate use of chargers required











### **Technical Solutions**





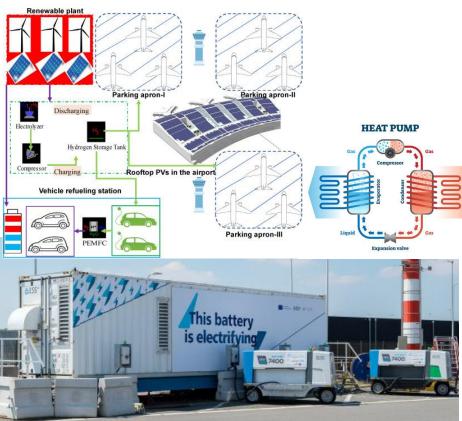
What are the solutions for addressing spatial, operational, and safety challenges in adopting new technologies?



















### **Technical Solutions**





What are the solutions for addressing spatial, operational, and safety challenges in adopting new technologies?





















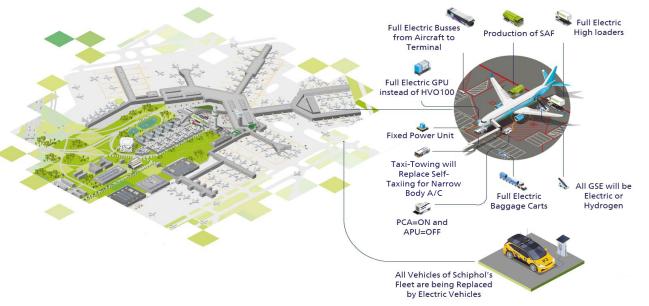
## Roadmap





How can airports develop resilient infrastructure to support the electrification of ground support equipment, manage stakeholders and business cases during electrification?

#### **Schiphol Airport E-GSE Vision**



# Brussels Airport Roll-out plan

First roll-out plan based on internal dependencies, capacity and GH input. Prioritization towards WK connector, Apron 9 and fast charging acceleration track.

2025							20	Until end 2027		
July	August	September	Oktober	November	December	Q1	Q2	Q3	Q4	
	EV Infra transit	ion GH Tender					Oostkant Co	onnector		
Final design WK		Deployment						Koj	p Pier A	
Final design C	Cargo Apron 9	£ eploym	ent			Mid	Pier B			Skytanking
				Final design M	lid Pier A	Deploym	ent		Ap	oron 60
				fast charging + 300	Deploy	ment			A	pron 3
					esign Cargo enstand	Deployment				Kazerne West
				IUSS	enstand			Kop Pie	er B	Apron 4
										Walk to stands
										Zone 204





