

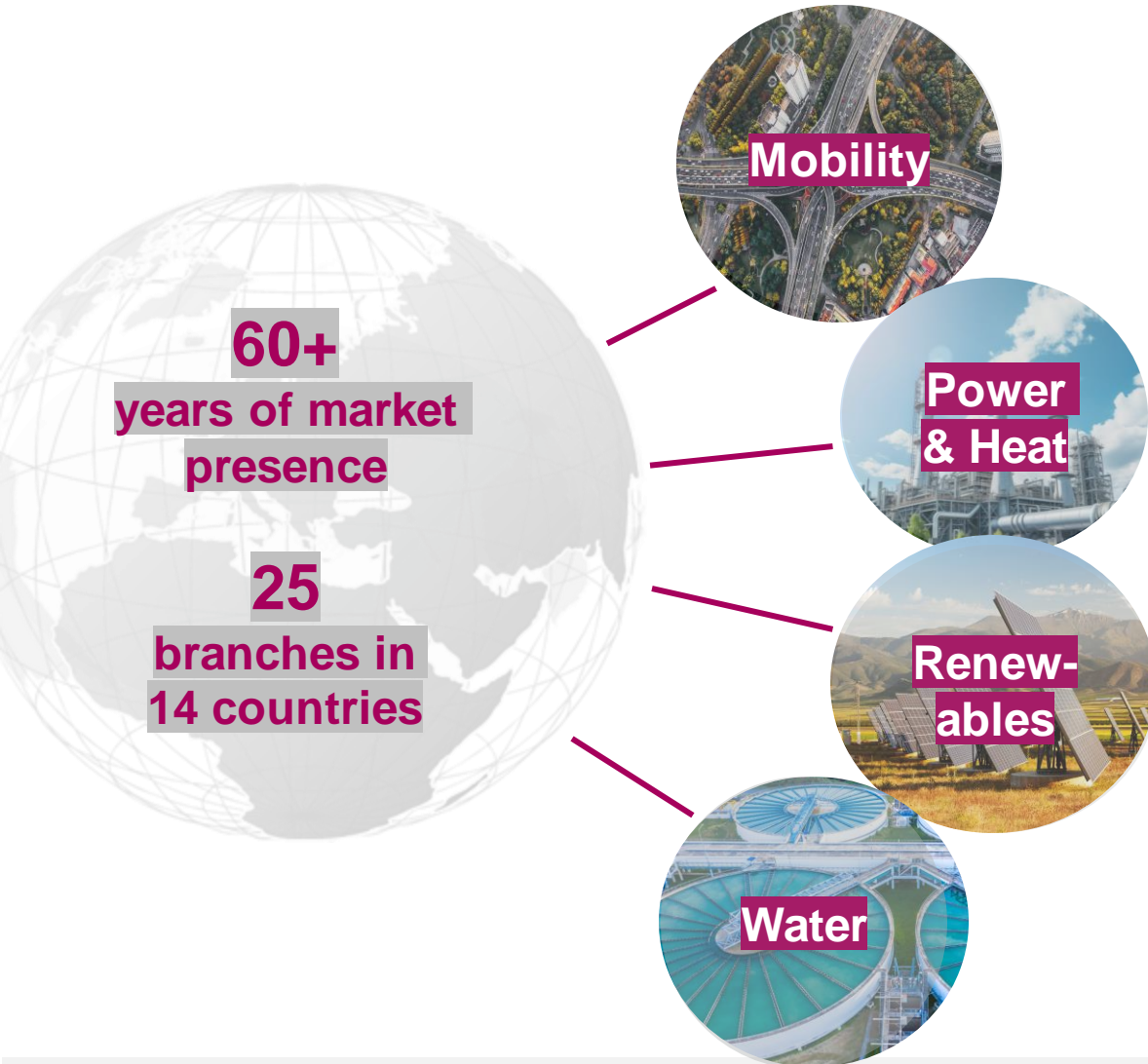


Green Transition Planning Airports

Boarding the Flight to Roadmap Realization

Tine Haas, Director Airports & Aviation





Dornier focuses on the growth fields of tomorrow



Our engineers provide strategic and technical support from A to Z.

We understand airport ops...



- ✓ Support in ACA accreditation
- ✓ Decarbonization roadmapping
- ✓ Airport terminal planning
- ✓ Green Transport

& provide engineering services...



- ✓ Project planning & engineering
- ✓ Construction of CCGT PP
- ✓ Construction of CHP PP
- ✓ Hydrogen infrastructure
- ✓ Lifetime Monitoring

for a wide variety of energy sources.



- ✓ Financing via ESCO
- ✓ Solar PV & wind energy
- ✓ Battery storage systems
- ✓ Grid connection
- ✓ Technical Management

Depending on your ACA-level and needs, we support with technical knowledge across the board.



Review of your chosen roadmap and technologies available for decarbonization



Feasibility assessment per technology for your airport context



Financing support for investments via DESCO



Engineering services for planning and construction

Considering the bandwidth of technologies available



green energy supplier



solar-PV & battery storage



waste heat usage

SAF-stations

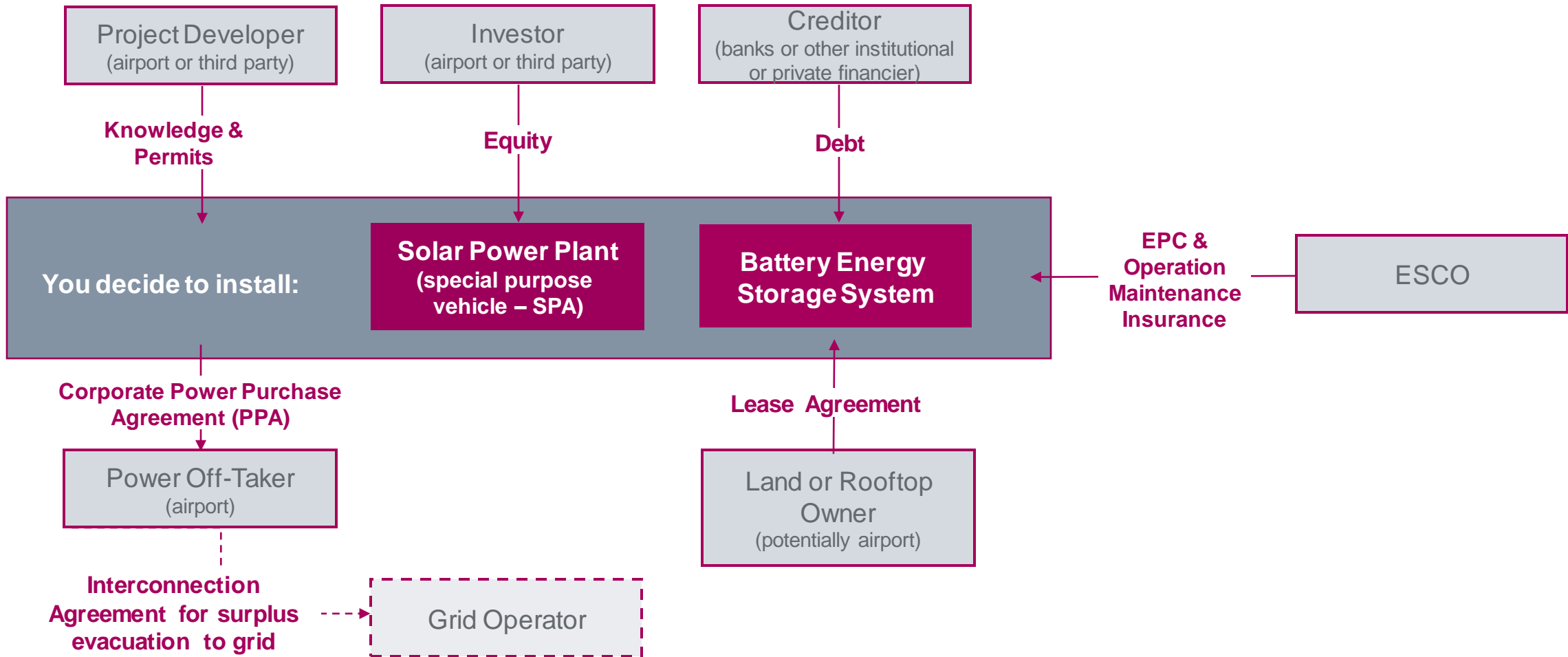


electrified ground fleet

Considering the bandwidth of technologies available

	Mobility	Buildings	Energy
Scope 1	<ul style="list-style-type: none"> • Electrification of fleet (optionally hybrid or hydrogen-fuelled) • Charging infrastructure 	<ul style="list-style-type: none"> • LED-lightening and energy-saving ventilation • Smart energy control systems • Cooling by irrigation 	<ul style="list-style-type: none"> • Solar-PV (opt. battery storage) • Geothermal power plant for heating and cooling • Combined heating & cooling plant • Heat storage • Wind energy (off-site) • Expansion of existing renewable energy sources
Scope 2			<ul style="list-style-type: none"> • Green energy suppliers • Offsetting through purchased carbon certificates
Scope 3	<ul style="list-style-type: none"> • Optimizing taxi routes to gate • Incentivizing public transport 	<ul style="list-style-type: none"> • Recycling systems • Sustainable cleaning products 	<ul style="list-style-type: none"> • SAFs / Hydrogen for airplanes

Financing decarbonization through DESCOs



Strong standing in the aviation industry, based on our roots



We work with major airports...



Berlin Airport, Germany: **PMO for Operational Readiness & Airport Transfer**



Frankfurt Airport, Germany: **Strategic planning & project Management Terminal 3**



Hamburg Airport, Germany: **Project Management Airport Extension Programme**



Munich Airport, Germany: **Project Management Satellite Terminal**



Frankfurt Airport, Germany: **Project Management Lufthansa Terminal A-Plus**



Changi Airport, Singapore: **Strategy review Terminal 5 development**

...and across energy sources



Memmingen Airport, Germany:
Decarbonization Roadmap



Hamburg City, Germany:
Planning and construction supervision of
hydrogen refuelling stations



Denizli, Turkiye;
Geothermal power plant with an output of
120 - 150 MW



Würth Airport, Germany:
Decarbonization Roadmap



Kiel Airport, Germany:
Analysis of solar energy potential



Bavaria, Germany:
H2 production from solar PV



Tine Haas

Director Airports & Aviation



tine.haas@dornier-group.com



+49 151 526 302 64



VENTURE THE IMPOSSIBLE
TO ATTAIN THE BEST...

PROF. CLAUDE DORNIER