



**We pave the way for
zero emission mobility**

Innovative Wasserstoffantriebe für Hochleistungsbusse - Go4City

2021-09-23

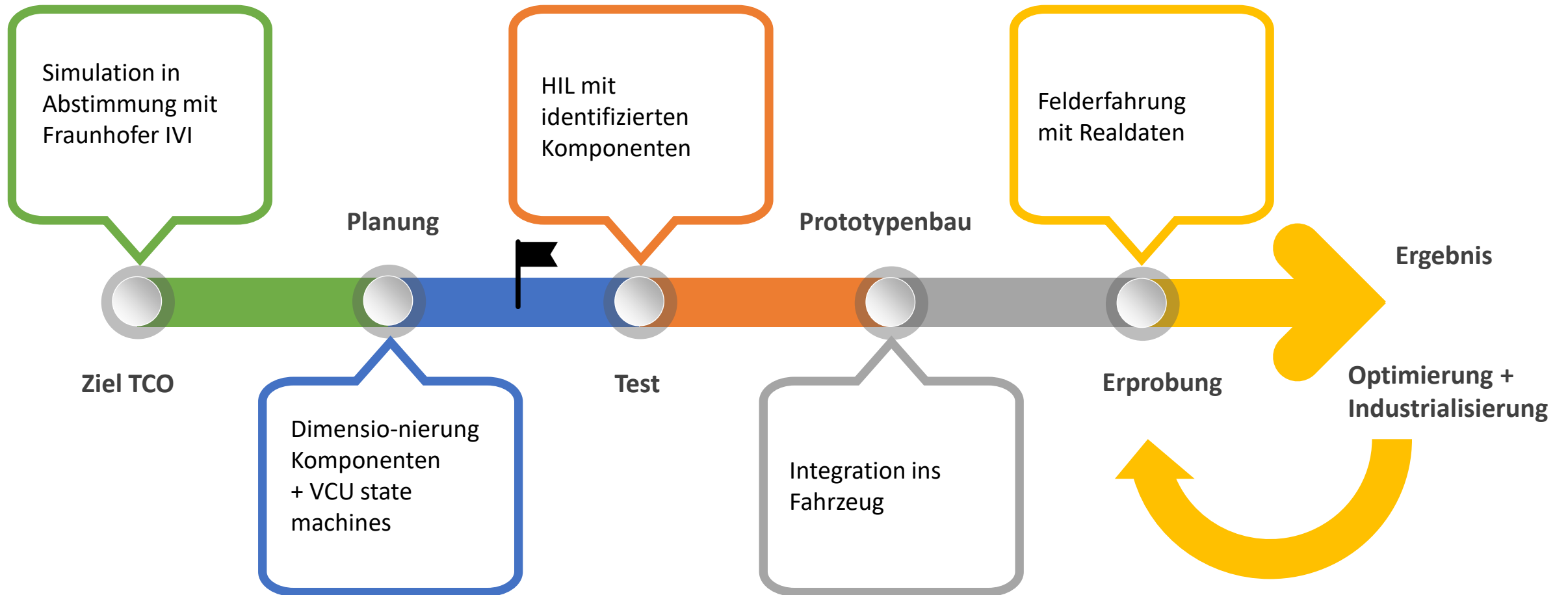
Juliane Renz
Head of Business Development & Funding
ELO Mobility GmbH

ELO Mobility GmbH

Gründung	2018 in Berlin, Dr. Henning Heppner und Rolf Morich
Standorte	Berlin (HQ), Göttingen
Unsere Mission	Transformation zum emissionsfreien Flottenbetrieb
Geschäftsbereich	Wasserstoffbasierte Fahrzeugplattform und Produkte
Unsere Produkte	Bus-Kit, Komplettbus als White Label, Retrofitkits
Unsere Kunden	OEMs, Bodybuilder
Meilenstein	Go4City: Aufbau von zwei energieeffizienten Prototypenbussen bis 12/2022

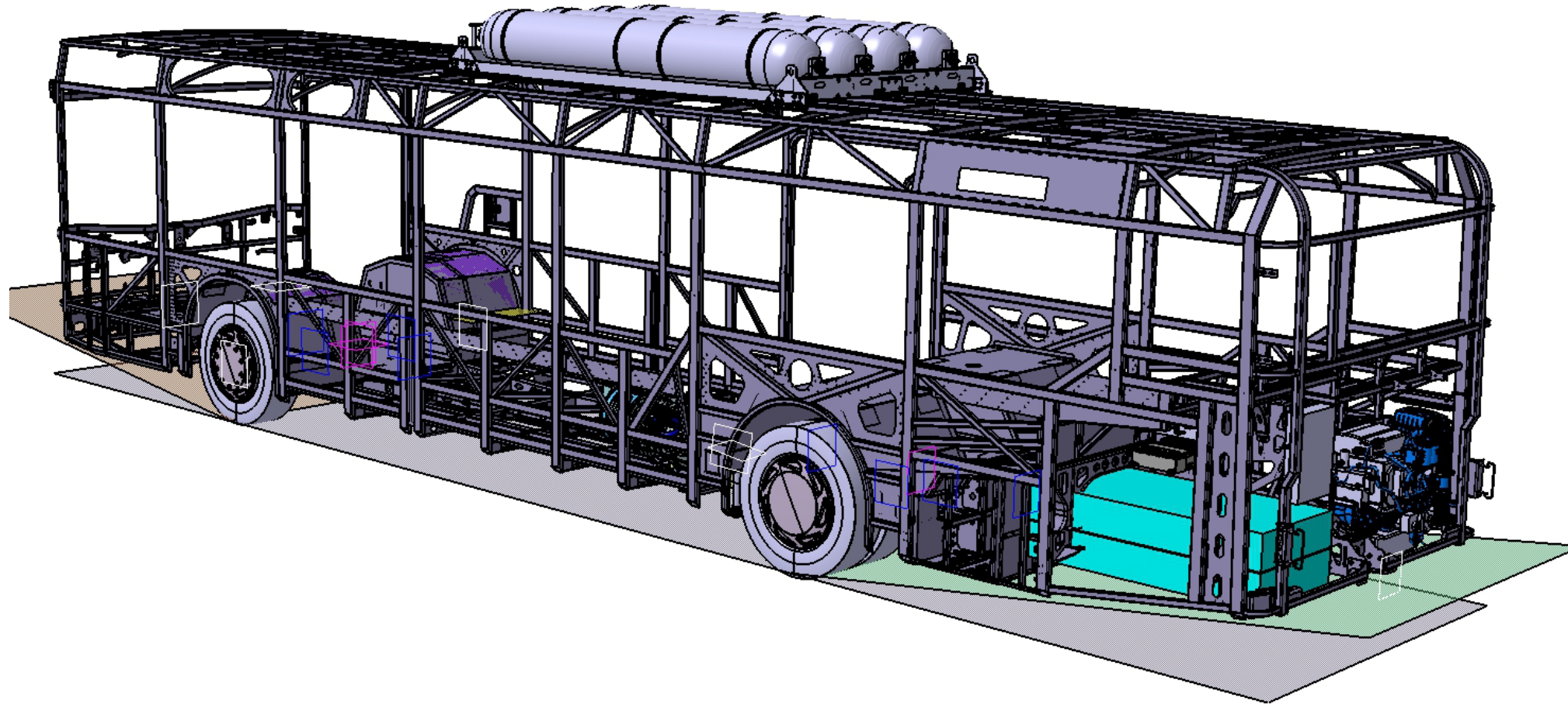


Go4City Projektablauf



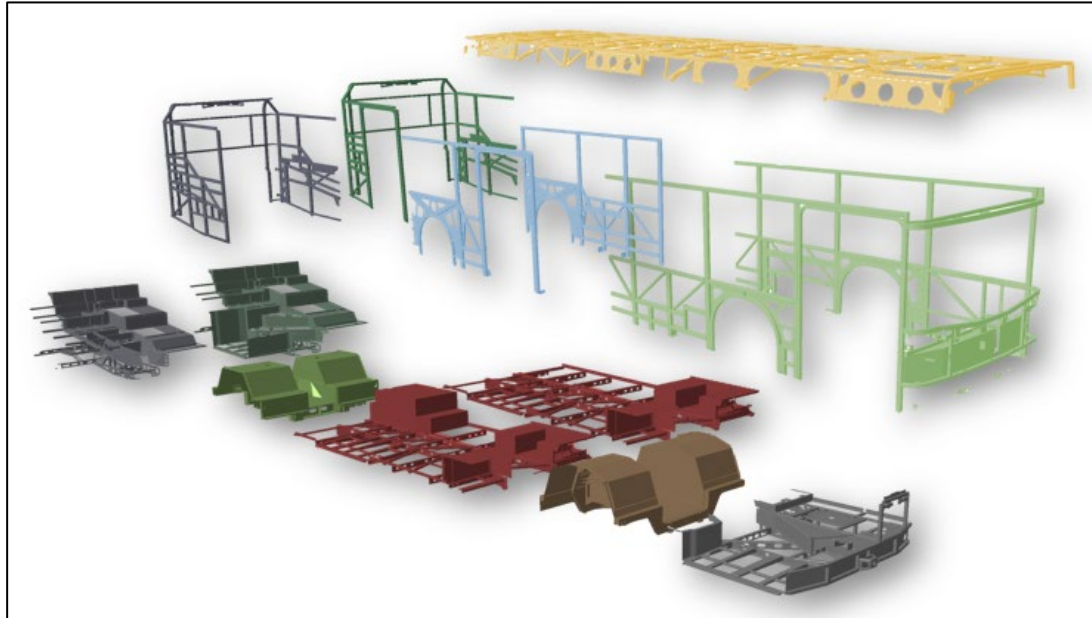
Bauraumtechnische Innovation 12 m

Mechanische Integration der Komponenten

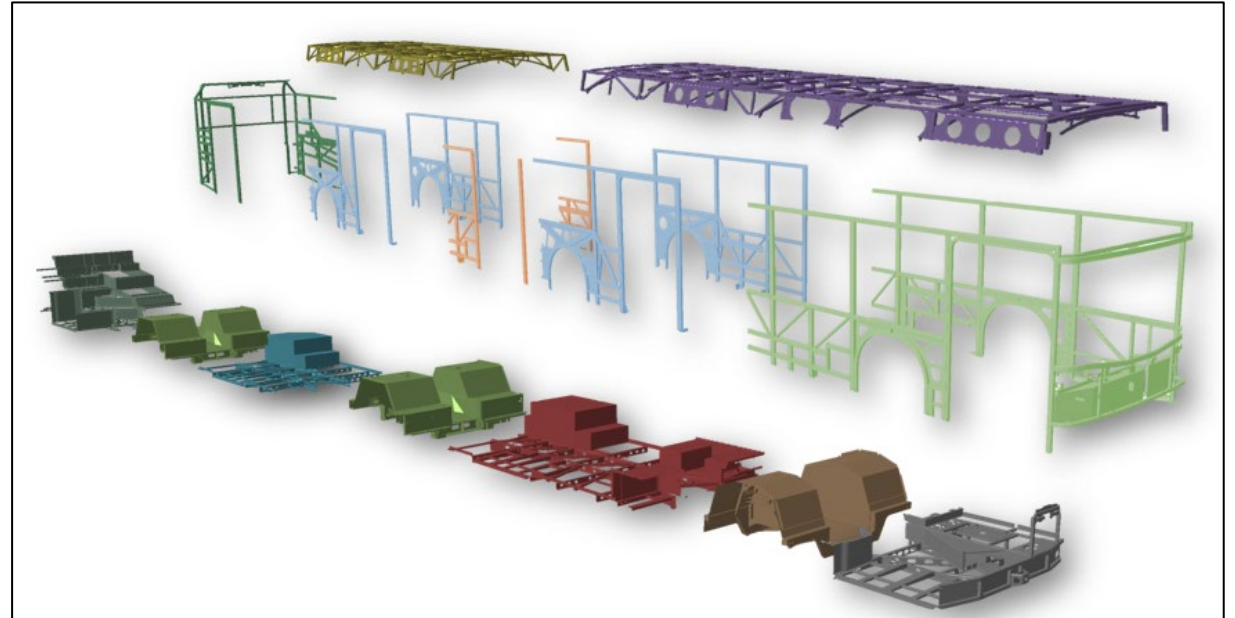


Innovation modulare Konstruktion

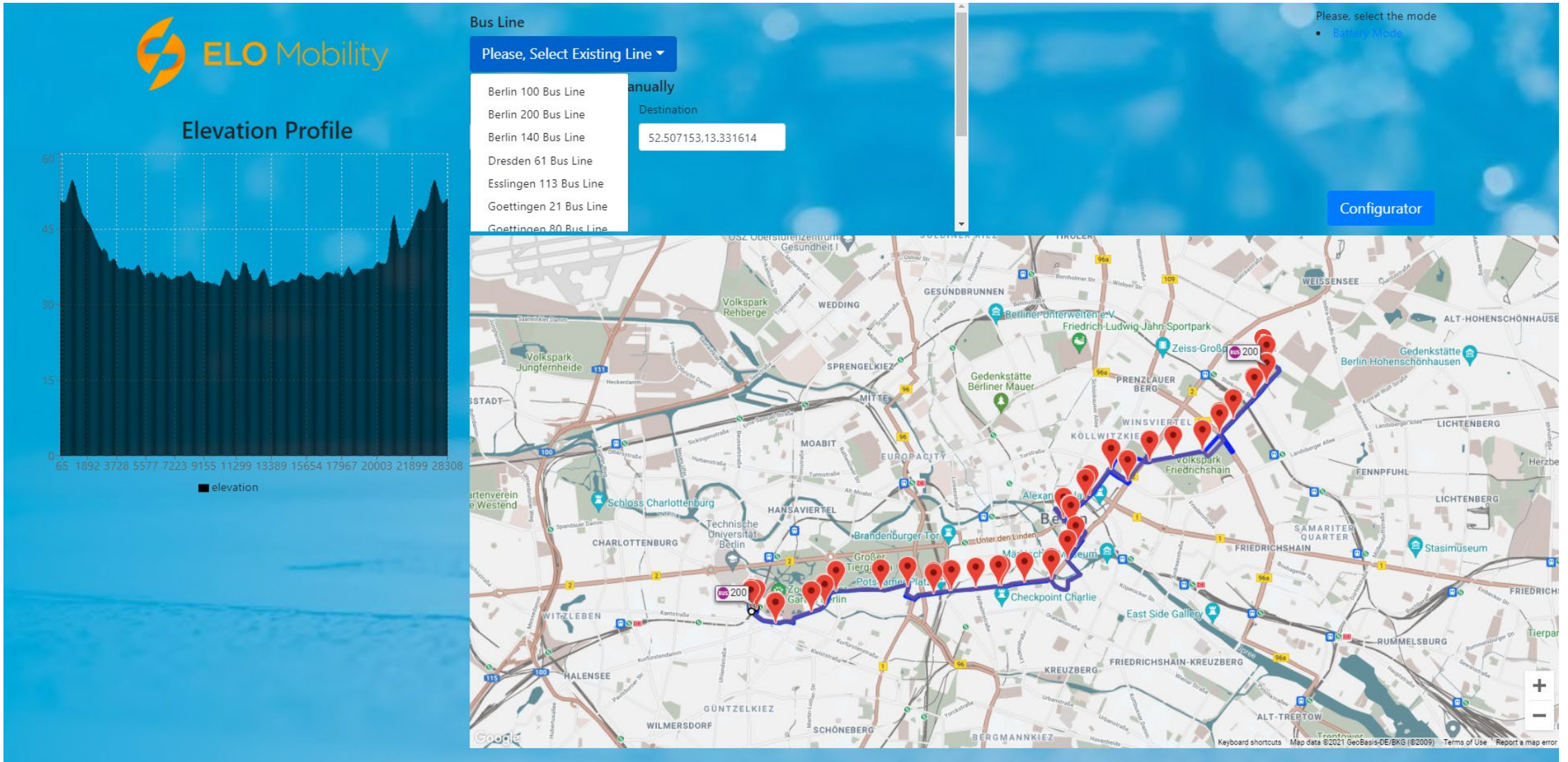
Modulübersicht 12 m

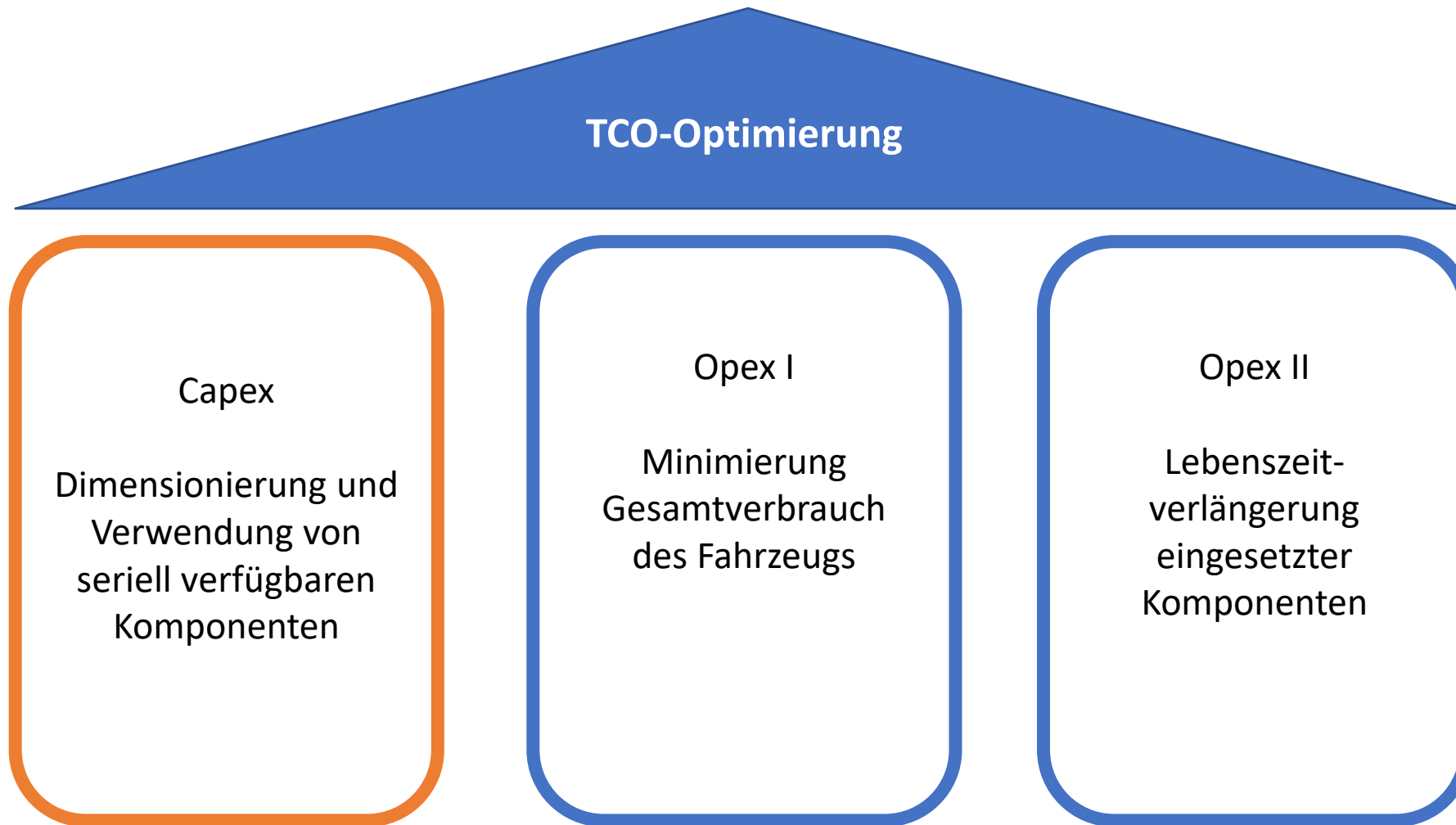


Modulübersicht 18,75 m

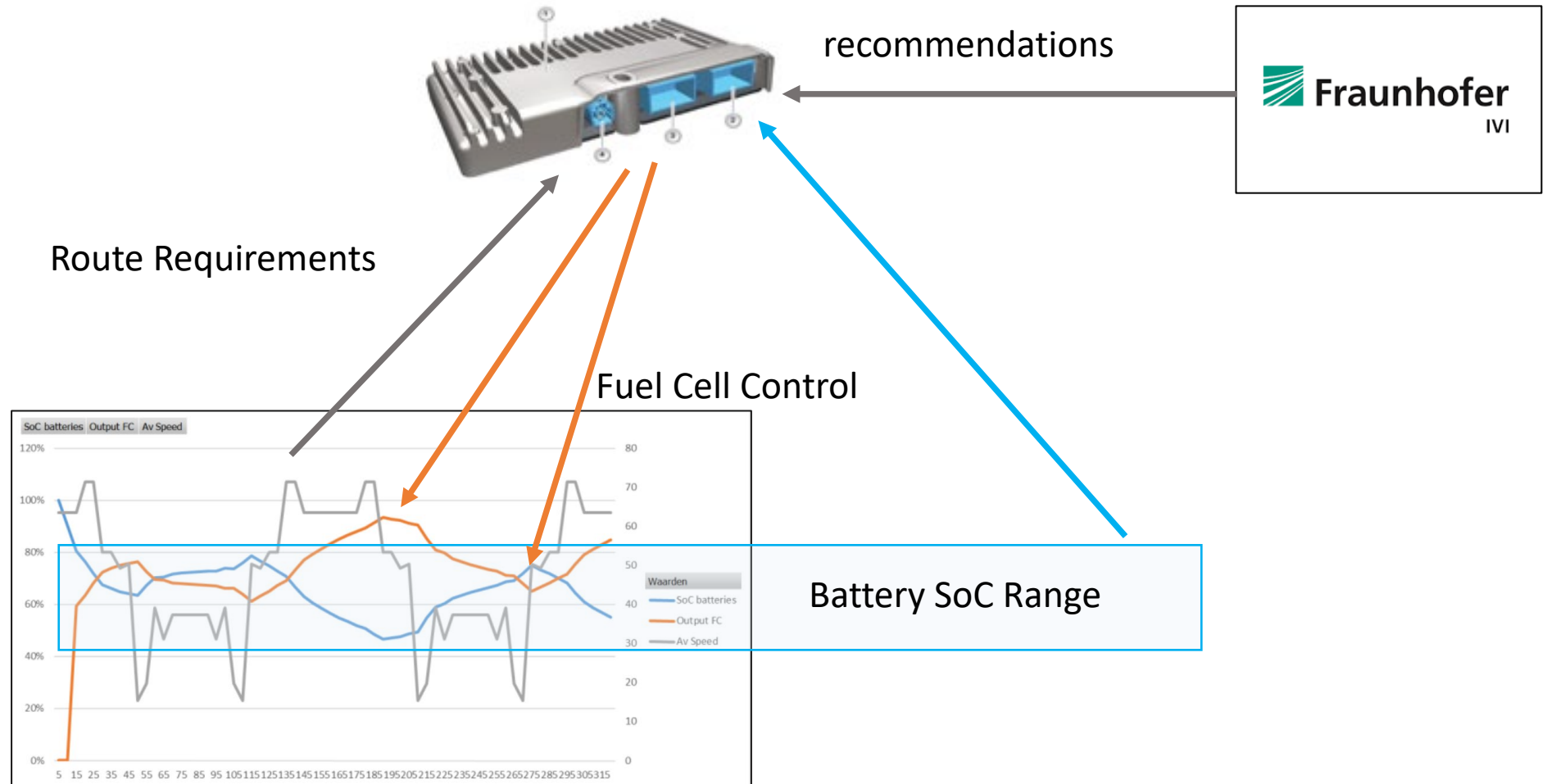


Innovation Simulation





ELO VCU Software – optimierter Energieverbrauch





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Thanks for your attention

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Technische Anforderung an den Go4City Bus

FC Bus Requirements				
general	Use Case		inner city traffic	urban enviroment, stop and go
	type		lowfloor; class 1; inner city	2 -3 doors (12m) 3- 4 doors (18m)
	length		10,50 - 18,75m	
	max. speed		60km/h	
	ambiente temp.		-30 - 50°C	
	altitude		-200 - 1000m	
	average range		>450km	
	TCO			average load 50%, 20 stopps per 10km, average traffic conditions
				capex + opex
		H2 consumption	< 7 kg /100km	over lifetime
		bus lifetime	12 years/ 77.000h/a	20h a day x 320day x 12years