





of the automotive industry focusing on e-mobility, batteries/drives & flexible production

Sept., 28.-30 2021







Matchmaking

Company logo	E- mobility	Hydrogen drives	Batteries & Life cycles of batteries	Charging infrastructure	Industry 4.0	Flexible assembly lines	Digital supply chains	Digital shop floor management
ACOD AUTOMOTIVE CLUSTER OSTDEUTSCHLAND e.V.	Ø			Ø	Ø	Ø		Ø
SOFTWARE GMBH	\bigcirc		\bigcirc		\bigcirc	\bigcirc	\bigcirc	\bigcirc
Fraunhofer	\bigcirc	\bigcirc						
Antrieb für Sachsen Sächsischer Innovationscluster Für Brennstoffzellen und Wasserstoff		\bigcirc						
INNOVATION LAB thinking works	\bigcirc		\bigcirc	$ \varnothing $	\bigcirc			
Iigenium							Ø	
oculavis					\bigcirc			
PREDICT INTELLIGENT SOLUTIONS					\bigcirc	Ø	\bigcirc	



[Cluster]



Year established: 2014



Website:

USP/What makes us

unique?

Dr. Jens Katzek Managing Director Jens.Katzek@ACOD.de ++49-177-5795380



Automotive Cluster East Germany (ACOD)

Number of employees: 6 **SCHEDULE A MEETING** ch е d

Website:	Type of business contacts you are seeking:				
https://www.acod.de/	⊠ Cluster & associations	☑ Partner for R&D			
	⊠ Sales partner	☐ Others:			
Company Profile:	Which products or service do you offer?				
	Our service is – with different tools – (1) to organise technology transfer between companies (including start-up company, supply industry and OEM) and between companies and researc institutes and (2) organize an exchange of best practice experiences between all different partners having an interest in the development of the East Germany Automotive industry.				
	What is your target group?				
	Our target group are companies and research institutes in East-Germany which we would like to support in their development. This is possible by introducing to them potential cooperation partner and/ or potential customers from all over the world.				
Objectives for the project	⊠ Establish collaborative relationships	☐ Obtaining general and specialize industry information			
		☐ Others:			
Topics which are most relevant to you?	⊠ E-mobility	⊠ Flexible assembly lines			
most relevant to you?	☐ Hydrogen drives	☐ Digital supply chains			
	☐ Batteries & Life cycle	☑ Digital shop floor management			
	□ Charging infrastructure	☐ Others:			
	☑ Industry 4.0				
Description of the					



[Software company]





Description of the USP

project.

/ What makes us

unique?

Mats-Milan L. Müller Head of Marketing m.mueller@coman-software.com +49 393168626-15



COMAN Software GmbH

Year established: 2018

Number of employees: 21

SCHEDULE A MEETING

Website:	Type of business contacts you are seeking:				
www.coman- software.com	☐ Cluster & associations	☐ Partner for R&D			
	☐ Sales partner				
Company Profile:	Which products or service do you offer?				
	We offer an on-site management software that allows our users to view all information of all processes that have been completed, are in progress or still need to be completed - all this happens based on a digital layout. With our software a project manager for example has an overview of all his projects and gets detailed information with a minimum waste of time. This has never been possible before COMAN.				
	What is your target group?				
	Currently we're targeting the automotive industry sector was setting up a new production line – for example Tier 1, 2 & can also be used across industries, we're now addressing project managers, project leaders etc.	3 suppliers and OEMs. As our software			
Objectives for the project					
•		☑ Others: gain new customers			
Topics which are most relevant to you?					
relevant to you!	☐ Hydrogen drives	□ Digital supply chains			
		□ Digital shop floor management			
	☐ Charging infrastructure	☑ Others: line building, press tool manufacturing, smart maintenance			
	☑ Industry 4.0				

Our biggest USP is that we act like a data hub that breaks down and integrates data silos, tracks all progresses, and displays project status directly in a digital layout. We also create data

consistency that delivers a high level of project data, and we automatically cluster a high amount

of data into Smart Objects. All in all, we reduce complexity and enable more transparency in a

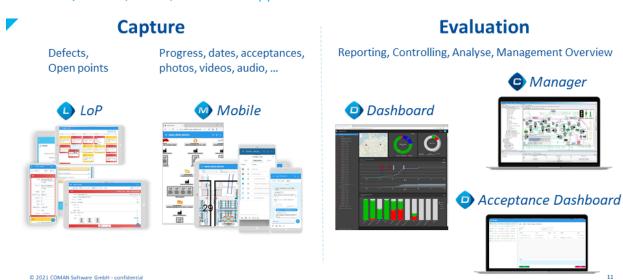




Capture and evaluation with **COMAN**



Online / Offline, Client, Browser or App

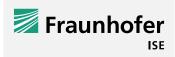


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[Research institute]







Dr. Nada Zamel Senior Scientist nada.zamel@ise.fraunhofer.de +49-761-4588-5432

Fraunhofer Institute for Solar Energy Systems ISE

Year established: 1981

Number of employees: 1200

SCHEDULE A MEETING

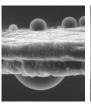
Website:	Type of business contacts you are seeking:				
https://www.ise.fraunhofer.de/	□ Cluster & associations	□ Partner for R&D			
	☐ Sales partner	☐ Others:			
Company Profile:	Which products or service do you offer?				
	Extensive R&D services targeted towards material production, material/cell/stack characterization (both begin and end of life) for low temperature PEM fuel cells				
	What is your target group?				
	OEM's in the transport industry involved in low temperature PEM fuel cells				
Objectives for the project		☐ Obtaining general and specialized industry information			
	☐ Exchange of experience with colleagues	□ Others:			
Topics which are most relevant to you?	⊠ E-mobility	☐ Flexible assembly lines			
relevant to you:		☐ Digital supply chains			
	☐ Batteries & Life cycle	☐ Digital shop floor management			
	☐ Charging infrastructure	☐ Others:			
	☐ Industry 4.0				
Description of the USP / What makes us unique?	We look at the problem of PEM fuel cell commerc using state-of-the-art labs and modelling tools.	cialization from micro to macro level			















[Cluster]





Karl Lötsch Managing Dircector karl.loetsch@hzwo.eu +49 371 531 35357



Sächsischer Innovationscluster für Brennstoffzellen und Wasserstoff

Year established: 2017

Number of employees: 5

		SCHEDULE A MEETING		
Website:	Type of business contacts you are seeking:			
https://hzwo.eu/		☐ Partner for R&D		
	☐ Sales partner	☐ Others:		
Company Profile:	Which products or service do you offer?			
	The innovation cluster HZwo initiates and supports research and development around the topics of fuel cells and green hydrogen as well as the development of a comprehensive value creation network in Saxony. The production of fuel cells, ranging from material selection to distribution, should be carried out in compliance with the resource-saving, ecologically and economically sustainable management.			
	What is your target group?			
	SMEs, Component Suppliers, OEMs			
Objectives for the project		☐ Obtaining general and specialized industry information		
project	☐ Exchange of experience with colleagues	☐ Others:		
Topics which are most relevant to you?	☐ E-mobility	☐ Flexible assembly lines		
most relevant to you!		☐ Digital supply chains		
	☐ Batteries & Life cycle	☐ Digital shop floor management		
	☐ Charging infrastructure	☐ Others:		
	☐ Industry 4.0			
Description of the USP / What makes us unique?	HZwo enables its cluster participants an early access technology advantage in order to sustainably secure In addition to the classic areas of automobile procompressors, fuel cell vehicles also offer a market p branches.	Saxony's future as a high-tech location. oduction, such as transmissions and		



[Research & Development]









Meike Baumgarten Intern Business Development meike.baumgarten@innovationlab.de +49 6221 5419 164

InnovationLab GmbH



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Number of employees: 42

SCHEDULE A MEETING Website: Type of business contacts you are seeking: https://www.innovationlab.de/ihr-☑ Cluster & associations ☑ Partner for R&D experte-fuer-flexible-gedruckte-sensoren/ **Company Profile:** Which products or service do you offer? InnovationLab is the expert for printed and organic electronics with a focus on flexible printed pressure sensors. We provide tailored print solutions for our customers' R&D challenges. Our expertise relies on a solid understanding of materials, processes and printing technologies which are essential for the development of flexible and hybrid electronic systems. We offer services in the field of research & development, pilot and industrial production as well as consulting and facility management. Here, the main focus is on accompanying customers from their first idea to the industrial production of their product - from LAB-2-FAB. We are able to take over at any stage of development and will lead our customers' products to success in compliance with their individual needs. For industrial production, we have a strong partner on our side in Heidelberger Druckmaschinen AG, which prints sensors in 3-shift operation at its production site. Our products include printed sensors, for example pressure sensor matrices for various applications such as battery monitoring, furthermore temperature sensors, printed batteries, flexible conductor paths and more. What is your target group? Clients and cooperation partners in the automotive sector for development and production. Objectives for the project specialized industry information ☐ Exchange of experience with colleagues □ Others: Topics which are most ☐ Flexible assembly lines relevant to you? ☐ Hydrogen drives ☐ Digital supply chains ☐ Digital shop floor management □ Charging infrastructure ☐ Others: ☑ Industry 4.0



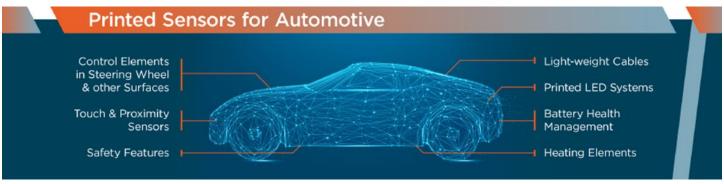


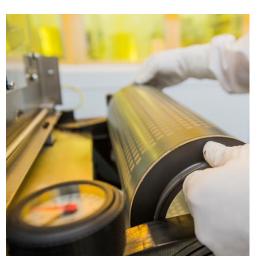
Description of the USP/ What makes us unique?

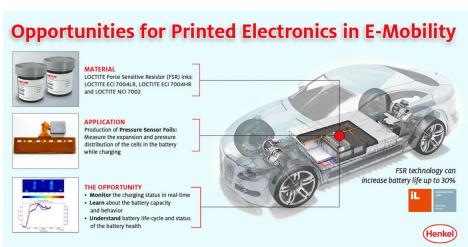
InnovationLab is a One-Stop-Shop for Printed and Organic Electronics and we provide both development and industrial production of customized integrated sensor solutions from a single partner. We start with an idea or a problem set and eventually bring your individual functional print product to large-scale production at one of our two industrial printing machines, whereas we are open to start at any point in-between. Supported by strong shareholders from both academia (University of Heidelberg and KIT) and industry (SAP, BASF and Heidelberger Druckmaschinen), we create unprecedented printing technology and turn the latest science into mass products.













[Logistics]









ligenium GmbH

Year established: 2018

Number of employees: 9

		SCHEDULE A MEETING		
Website:	Type of business contacts you are seeking:			
https://hzwo.eu/	☐ Cluster & associations	☐ Partner for R&D		
	☐ Sales partner	☐ Others:		
Company Profile:	Which products or service do you offer?			
	Sustainable logistics solutions, especially special load carriers and other applications made of wooden materials.			
	What is your target group?			
	Manufacturers			
Objectives for the project		☐ Obtaining general and specialized industry information		
	☐ Exchange of experience with colleagues	□ Others: new customers		
Topics which are most relevant to you?	☐ E-mobility	☐ Flexible assembly lines		
most relevant to you!	☐ Hydrogen drives	□ Digital supply chains		
	☐ Batteries & Life cycle	☐ Digital shop floor management		
	☐ Charging infrastructure			
	☐ Industry 4.0			
Description of the USP / What makes us	Wooden mechanical engineering. With our sustainable lightweight logistic solutions our croduce CO2 emissions which holes improving their accounts.			



[Augmented Reality]





Company Profile:

Nikhil Rathnagiri Venkateshan **Business Development Manager** venkateshan@oculavis.de +49 152 0378 3396

oculavis GmbH



Year established: 2016

		Number of employees: 62	
		SCHEDULE A MEETING	
Website:	Type of business contacts you are seeking:		
https://oculavis.de	☐ Cluster & associations	☐ Partner for R&D	
	Sales partner ■	☐ Others:	

Which products or service do you offer?

oculavis SHARE enables the digital transformation of cross-locational processes in maintenance, service, production, or quality tasks. The solution unites industrial-grade Augmented Reality (AR) technology, remote support, and standardized work instructions in one modular platform. Vehicle component suppliers such as Brose, ThyssenKrupp Bilstein and Webasto use oculavis SHARE to connect worldwide production sites, for example in worker assistance or in cross-locational collaboration for production ramp-ups, equipment commissioning, parameter configurations, maintenance tasks and quality-related processes. The AR platform unleash the potential to enhance the productivity of machinery, equipment and systems, design more efficient processes, decrease costs by avoiding global travel. At the same time, valuable CO2 emissions are reduced. Deep dives about use cases and benefits are shown in the joint success story with ThyssenKrupp https://oculavis.de/en/blog/20200429-thyssenkrupp-Bilstein-connects-production-siteswith-Augmented-Reality-remote-assistance/.

Further insights about the solution can be found on our video platform at https://oculavis.de/tube/?lang=en

What is your target group?

Machinery and equipment manufacturers use oculavis SHARE externally: after sales services for customers during pre-acceptance, commissioning, troubleshooting; remote inspections with suppliers, remote support of service partners and many other use cases; but also, to support their own technicians who are on site with the customer.

Manufacturing companies with worldwide production sites use oculavis SHARE internally: Worker assistance and cross-locational collaboration for production rampups, equipment set-ups, parameter configurations, maintenance tasks and qualityrelated processes.

Company size: SME & enterprises

Industries: Mechanical and plant engineering of automotive machines, equipment, and systems as well as vehicle component suppliers with or without an internal special machine engineering unit

Personas: Managing Director; Service Manager; Head of Technical Customer Service; Head of Maintenance & Repair; Sales Manager; Head of Digitization, Head of Innovation; Production Manager; Experts, Innovators and practitioners from automotive industry





Objectives for the project	☐ Establish collaborative relationships	
	⊠ Exchange of experience with colleagues	☐ Others:
Topics which are most relevant to you?	☐ E-mobility	☐ Flexible assembly lines
relevant to you.	☐ Hydrogen drives	☐ Digital supply chains
	☐ Batteries & Life cycle	☐ Digital shop floor management
	☐ Charging infrastructure	
	☑ Industry 4.0	

Description of the USP/ What makes us unique?

oculavis SHARE covers the entire life cycle of machinery and equipment, such as acceptance tests, commissioning, ramp-ups, audits, training and troubleshooting. oculavis SHARE works seamlessly on PCs, smartphones, tablets and smart glasses. Hosting the solution on the cloud or on-premises suit the needs of an enterprise of any size. The solution maps organizational structures to the installed base of machinery and provides a simple approach to get in touch with assigned asset managers. The entire application can completely be white labelled enabling industrial companies to become the full-service provider of their own AR remote solution. Fast service, less travel costs, increases machine availability and new digital business models in service are some of the many benefits.









[Artificial Intelligence]



Britta Hilt Managing Director britta.hilt@ispredict.com +49 176 63 72 92 28



IS Predict GmbH

Year established: 2010

Number of employees: ca. 1,000 (holding)

SCHEDULE A MEETING Website: Type of business contacts you are seeking: ☐ Partner for R&D ☐ Cluster & associations http://ispredict.com/ □ Sales partner for potential projects **Company Profile:** Which products or service do you offer? We realise Artificial Intelligence solutions for production and logistics companies. Clients: Opel, Daimler, ZF, Nemak, Bosch, Siemens, German Rail, BASF, Knauf, NTT-Facilities Topics: Reducing minor quality in production Assess quality of high frequency production steps **Predict quality** Discover reasons for minor quality, also in complex variant production Predictive control: Either as recommendation for machine operator or by machineto-machine control. Reducing shut down times of complex machinery by predictive maintenance Reducing energy / CO2 by predictive control What is your target group? Larger production companies, like automotive / supplier, discrete manufacturing, process industry, energy producer, logistics Target people are: Innovation manager, IoT manager, Chief Digital Officer, Production Manager, Plant Manager, Maintenance Manager, Energy Manager Objectives for the ☐ Obtaining general and specialized project industry information ☐ Exchange of experience with colleagues

□ Others:





Topics which are most relevant to you?	 □ E-mobility □ Hydrogen drives □ Batteries & Life cycle □ Charging infrastructure 	 ☑ Flexible assembly lines ☑ Digital supply chains ☐ Digital shop floor management ☐ Others: 		
	☑ Industry 4.0			
Description of the USP/ What makes us unique?	 Automation of time-intensive Data Science tas expensive and scalable solution. Adaptiveness = Al solution adapts itself to change Data Scientists, again. This is possible due to self-le awards for this.) Explainability = In contrast to Deep Learning with 	d production without having to engage arning. (We have won many innovation		

uses Semantic Networks. In this way, AI is not a black box. Our AI gives the reasons why decisions / recommendations are given. This **transparency** is important to understand why things are better / worse. It helps process engineers to understand complex influences.