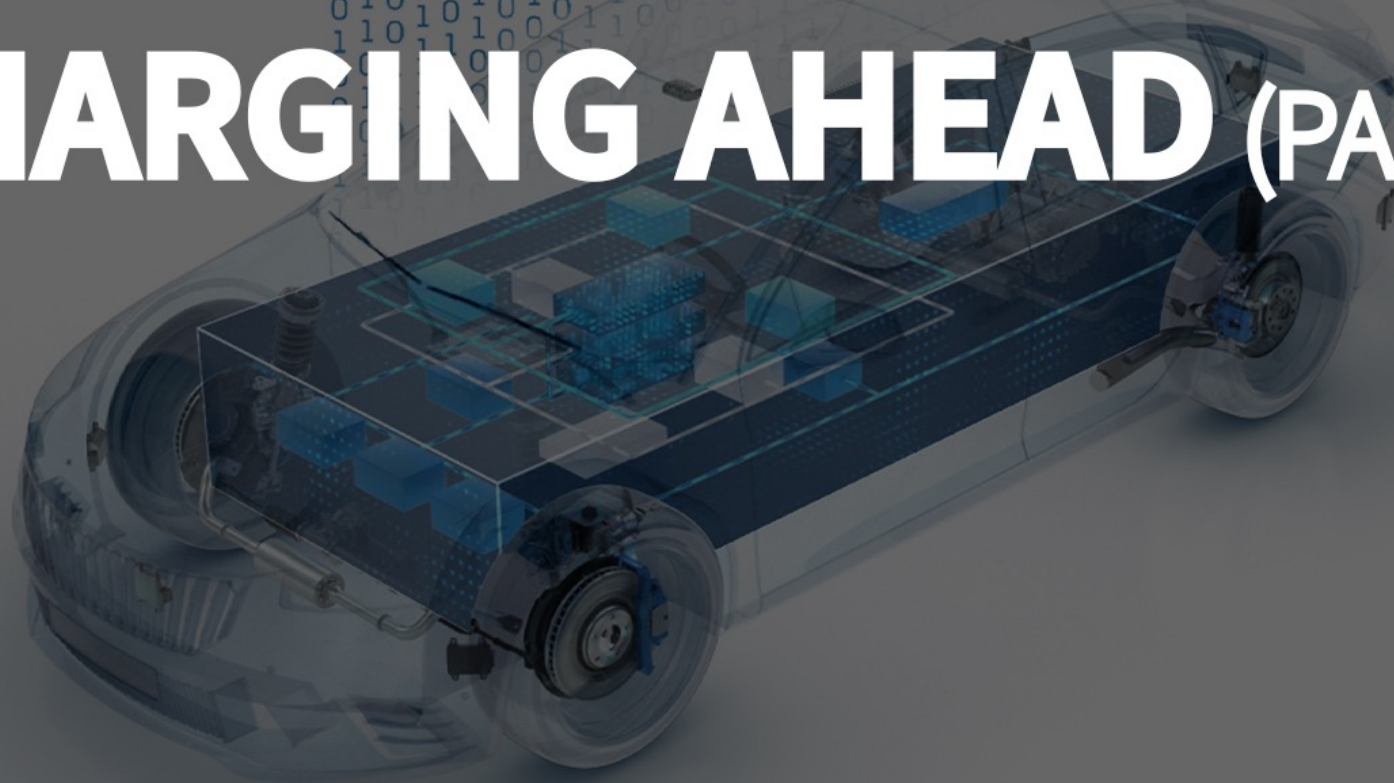


LIVESTREAM HOUR

THE ELECTRIFYING PRODUCTION SERIES

AUTOMOTIVE SUPPLIERS CHARGING AHEAD (PART 1)



Vehicle electrification is leading to evolution in supplier manufacturing



- EVs require new components, equipment and software, which is changing programme management across production at many suppliers
- New manufacturing and supply chains across battery cells, battery modules, pack integration, electric motors and drivetrains
- Demand for extreme flexibility from suppliers in serving multiple powertrains

Opportunities for Tier-1s and production specialists



- Rise in cellular and modular manufacturing – opportunities for automation
- More focus on light-weighting, safely housing battery components – opportunity to further develop materials, welding and forming processes
- New partnership and supplier relationships, including focus on ‘design for manufacturing’ in product development phase and evolution of more manufacturers into ‘full system suppliers’

Expert guests



Arno Güllering
Senior VP Operations
Division Electrified, Powertrain
ZF



Tom Larsen
Head of Advanced Technology
& Application for Chassis
Gestamp



Tanja Vainio
Managing Director
Robotics & Discrete Automation
Automotive Tier 1 Business Line
ABB



Stephan Höfer
Global Market Strategy Head
e-Mobility
Henkel

Agenda for today's show

For the next 80 minutes...

- **Changing supplier roles in powertrain – Arno Güllering, ZF**
- **Automation opportunities for Tier-1s – Tanja Vainio, ABB**
- **Key applications in the EV & battery value chain – Stephan Höfer, Henkel**
- **Technology focus: manufacturing solutions for EV chassis – Tom Larsen, Gestamp**
- ***Panel Q&A – comments and questions in the chat throughout the show***

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Arno Güllering

Senior VP operations

Division electrified, Powertrain





“

The OEMs are looking much more for complete systems. That gives us the benefit of being able to balance development capacities and efforts, and industrialization of complete systems is not on the side of the OEM anymore.”

”

– Arno Güllering, ZF

[Read the article in our digital edition on Tier-1s here!](#)



Tanja Vainio

MD, Robotics & Discrete Automation
Automotive Tier 1 Business Line



VOICE

The challenges of a transition from ICE to EV production for automotive manufacturers and the implications for assembly plants

By ABB | 26 March 2021



As automotive manufacturers make the transition to electric propulsion, the challenges they face from compressed development timescales, ever tightening regulatory limits and technology churn, mean they must adapt very quickly to change. Automotive Manufacturing Solutions spoke to Patrick Matthews, ABB Robotics head of powertrain for their OEM automotive division, on how ABB's approach can help support OEMs through the transition process while retaining the ability to accommodate changes in production requirements

Most p



[Read the article here!](#)

Stephan Höfer
Global Market Strategy Head
e-Mobility



VOICE

The inside story

By Henkel | 14 December 2020



Henkel's Dr. Burak Kutlu examines how innovative solutions can solve application challenges and increase yield rates in the automotive display market



[Read the article here!](#)



Tom Larsen
Head of Advanced Technology
& Application for Chassis



Chassis components



Not just steel

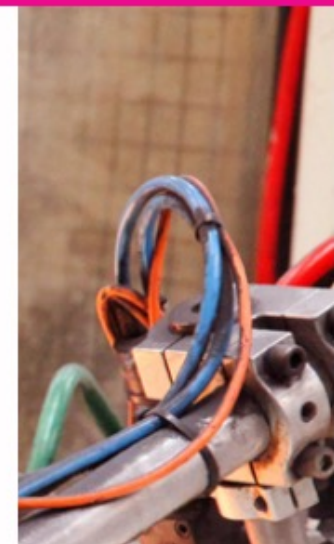
“

If you don't [account for design for manufacture] you can end up having to add a lot of material and weight to the product to make it manufacturable as well

– Tom Larsen, Gestamp

”

[Read the article in our digital edition on Tier-1s here!](#)



LIVESTREAM HOUR

THE ELECTRIFYING PRODUCTION SERIES

HOW TO BUILD AN ELECTRIC FUTURE (PART 2)

Thursday May 6th 2021
9.30 EDT | 14.30 BST | 15.30 CEST

[REGISTER NOW](#)

Special guests include:

Danny Auerswald, Plant Manager, Transparent Factory Dresden, **Volkswagen Group**

Chris White, Electrification Manager, Manufacturing Engineering – Europe, **Ford**

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Live Q&A



Arno Güllering
Senior VP Operations
Division Electrified, Powertrain
ZF



Tom Larsen
Head of Advanced Technology
& Application for Chassis
Gestamp



Tanja Vainio
Managing Director
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Stephan Höfer
Global Market Strategy Head
e-Mobility
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Atlas Copco: Battery assembly

Outokumpu: Stainless steels for EV motors

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