

»Whitepaper«
for Symposium partners, Exhibitors,
Speakers and Moderators of the
Symposium at the Dominikaner Winery

»SUSTAINABLE ULTRALIGHTWEIGHT DESIGN – OUR RESPONSIBILITY AFTER CORONA«



»limited edition«

on Thursday, September 09, 2021
at Landgasthaus Pauliner Hof / Dominikaner Weingut
D-54317 Kasel im Ruwertal

1. The lightweight design symposium in the Dominican winery

- With the new edition of the LIGHTWEIGHT DESIGN SYMPOSIUM 2021 in the Dominican winery, where we are hosting our highly reputable conference for the second time after 2019, the key political, industrial and scientific topic of LIGHTWEIGHT DESIGN is once again coming into focus. The core competence of the organizer AMC is the development, marketing, technologization and industrialization of lightweight design innovations. That is why our LIGHTWEIGHT DESIGN SYMPOSIUM are a valuable platform to draw attention to the crucial importance of this »Game-Changer-Technology« for climate protection, resource and energy efficiency, the economy and jobs.
- Corona has exposed many grievances and thus changed the world - and will continue to change it sustainably. We face up to this responsibility and give lightweight design the platform and importance it has long been entitled to: In our highly industrialized and technified world, environmental and climate protection is unthinkable without lightweight design - this is not yet sufficiently conscious in many places. Our lightweight design symposium will contribute to clearly presenting the central key role of lightweight design and to demanding lightweight design solutions in all industrial branches and market segments.

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- The LIGHTWEIGHT DESIGN SYMPOSIUM »SUSTAINABLE ULTRA-LIGHTWEIGHT DESIGN« brings together highly renowned lightweight design experts and »lightweight design pioneers and innovative thinkers« in an inspiring environment far away from the industrial environment. Lightweight design and nature are being linked deliberately.
- The LIGHTWEIGHT DESIGN SYMPOSIUM is a one-day event that will take place on Thu., September 9, 2021, in the Landgasthaus Pauliner Hof and Dominikaner Weingut.
- The participants from politics, science, and management of the automotive, aviation, rail and space industries as well as adjacent market segments will be personally invited. Unfortunately, the number of participants is limited due to the »Covid-19 guidelines«.
- A highlight of the LIGHTWEIGHT DESIGN SYMPOSIUM is the presentation of the results of the current AMC study »COMPOSITES IN 3D – HOW SAFE FOR THE FUTURE? «, which examines highly innovative 3D manufacturing processes from the fiber composite sector and analyzes purchase-decisive technology criteria from the user's point of view. Participants in the market and technology study included BMW, AIRBUS, TOYOTA, DITF and many more.
- The LIGHTWEIGHT DESIGN event is a balanced mix of lectures, discussions, trade exhibition (with exhibitor tour), "(Value) Networking in the B to B", fireside chat and attractive evening event with barbecue, wine tasting and winery sightseeing option.
- There is a multimedia marketing and reporting on the lightweight design Symposium on media brands such as the »AUTOMOBIL INDUSTRIE« and »INDUSTRIEanzeiger« as well as press releases to many other specialist and public media as well as »Special Interests«
- Highly renowned lightweight design experts from politics, industry, science, and sports have already confirmed their participation.



21. März 2019: Dominikaner Weingut - »Step Change im Leichtbau«



07. Februar 2020: Domaine Thermal - »Winning Strategies in Innovative Lightweight Design«

2. Organizer AMC

- AUTOMOTIVE MANAGEMENT CONSULTING (AMC) is a highly qualified technology, consulting and training house founded by Rainer Kurek in 2001 for the automotive industry and related industries based in Penzberg. Since 2004, the AMC has regularly held Lightweight Design Symposiums.

AMC supports major manufacturers in the automotive, aviation, space and rail sectors, development service providers and suppliers in the conception, development and implementation of unique, (radically) innovative and individual lightweight design solutions in the areas of fibre composites, hybrid technology, metallic lightweight design solutions and is regarded as a specialist for highly qualified solutions in integrative and multi-material lightweight design. Together with csi entwicklungstechnik and Alba tooling & engineering, the AMC was the initiator of the #Ultraleichtbausitzes, which was presented to the public for the first time at the Lightweight Design Symposium in the Dominikaner Weingut 2019 and was subsequently awarded two GERMAN INNOVATION AWARDS, a Chinese lightweight design prize, the internationally highly renowned Altair ENLIGHTEN AWARD, the »Lightweight Design Oscar«, and finally the GERMAN DESIGN AWARD in GOLD in March 2021.



3. Topic Contributions

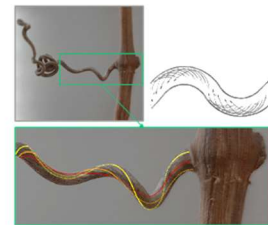
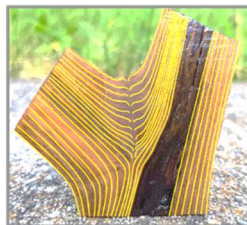
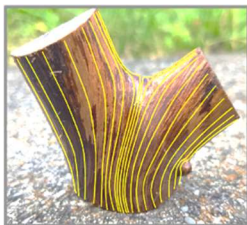
- Conference language is in English.
- The 20-minute speaker's lots will be held under the symposium title »SUSTAINABLE ULTRA-LIGHTWEIGHT DESIGN – OUR RESPONSIBILITY AFTER CORONA« announced.
- From vehicle and aircraft engineering to mechanical and plant engineering to the wind and energy industry – intelligent and systemic lightweight design solutions are gaining an importance in all industrial sectors. Their impact: resource and energy efficiency as well as environmental and climate protection. The purpose of the Speaker slots is to present concrete lightweight design ideas and innovations (also) from their respective application segments«– from practice for practice.
- The unifying idea of diversification across different industries has become a trademark of the AMC-Lightweight Design Symposium, and so this mission is intended to characterize the contributions of our partners again this year – together we are stronger and can achieve more.

- With the title »SUSTAINABLE ULTRA-LIGHTWEIGHT DESIGN – OUR RESPONSIBILITY AFTER CORONA«, a wide variety of lecture concepts can be realized, because biconically inspired lightweight design principles and ALWAYS further developed additive manufacturing processes as well as connecting hybrid concepts and many other innovations characterize the intelligent and systemic lightweight design of the future.
- To promote industrial lightweight design awareness and to develop it on a broad scale, and to increase international competitiveness, lightweight design specialists and generalists alike will have their say.
- Lightweight design makes it easier for climbers to reach the summit, cyclists easier to get around and guarantees longer ranges in aircraft and automotive design – since lightweight design "only" delivers an indirect "customer value" in many places, we will make a lightweight design visible and comprehensible with principle and functional models, exhibits and prototype components.
- We combine lightweight design expertise with methodological expertise in a unique way to convey the innovative power of the »Gamechanger Technology Lightweight Design« and to show value and create potential in a targeted manner.
- Technology, industry, cross-border lightweight design requires, »Rethink Lightweight Design«.

4. Program

from 8:45 a.m.	Arrival of guests at the Pauliner Hof, registration in the atrium
from 9:00 a.m.	Meet & greet in the atrium of the exhibition stands
9:30 a.m.	Welcome in the Congress Hall by Mr. Rainer Kurek, Managing Director AMC
9:45 a.m.	»Lightweight design in Luxembourg« (working title) Christian Tock, Deputy Director General for Research, Ministry of the Economy Luxembourg
10:00 a.m.	»The strategic importance of lightweight design« Ministerial Councillor Werner Loscheider, BMWi
10:15 a.m.	Lectures – Part 1 »Urban Air Mobility and Lightweight Design« Jannis Töpfer, Urban Air Mobility Division, Hyundai Motor Group
10:40 a.m.	»Step change in lightweight design« Peter Pirklbauer, AIRBUS

11:00 a.m.	Coffee break in the atrium of the exhibition stands
11:20 a.m.	Lectures – Part 2 »xFK In 3D Natural Fiber, Industrialization, Sustainability« Claude Maack, Director General GRADEL SÀRL
11:45 a.m.	»Composites in 3D – How safe into the future?« Chary Ambarepeta, Technology development, AMC
12:15 p.m.	Lunch Break
1:00 p.m.	Moderated exhibitor tour (Moderation: Rainer Kurek)
2:00 p.m.	Lectures – Part 3 »Fully Digitized CAD-CAM Winding Technology, Design Calculation Robot Production« Dr.-Ing. Ulrich Hindenlang, LASSO
2:30 p.m.	»...« in request: Luxembourg Institute for Science & Technology
3:00 p.m.	» Material-appropriate force introduction for wound fiber composite structures« Patrick Kaiser / Pascal Mindermann, DITF
3:30 p.m.	Coffee break in the atrium of the exhibition stands and vineyard
4:00 p.m.	Keynote speech by Prof. Dr.-Ing. Markus Milwich, DITF
4:30 p.m.	Fireside chat moderated by Claus-Peter Köth, Editor-in-Chief AUTOMOBIL INDUSTRIE (»Lessons Learned« - Management Summary)
approx. 6 p.m.	End of conference Afterwards (optional for all guests): Guided tour through the wine cellar / "Matchmaking" in the winery / free time ("Hotel check-in", walk through the vineyards)
from 6:30 p.m.	Barbecue with wine tasting



5. Highlight: Real fireside chat for »Management Summary«

In a concluding fireside chat by the real fireplace, the lightweight impulses of the day are discussed to condense the impulses and ideas into a "lowest common denominator". This involves the collection and consolidation, analysis and evaluation of the various lightweight design ideas that are up for (podium) discussion.



6. Partner of the event

AMC AUTOMOTIVE
MANAGEMENT
CONSULTING

XFK^{IN 3D} S.A.

GRADEL

HYUNDAI
MOTOR GROUP

AIRBUS

CSF

LA SSO

DITF
DEUTSCHE INSTITUT FÜR
TECHNISCHE ASSEMBLIERUNG

ITFT
FIBER BASED VISIONS

KASAERO
AIRCRAFT & COMPOSITES

VON DER LINDEN
INNOVATIVE TECHNOLOGIE FÜR DEN MOTOR

vdL Composites
lightweight panel solutions

N
C. VON NELL-BREUNING
DOMINANCE NETWORK

Palmer Hotel
Lounge & Bar

Glacier Bionde

Reed Exhibitions®

**AUTOMOBIL
INDUSTRIE**

7. Fee structure

Our Offers	Participation (on-site)	Marketing Package	Exhibitors Package
Personal symposium participation in the plenum	X		X
Exhibition space in the atrium and speaker slot during the guided tour			X
Participation of stand personnel (2 persons with VIP ticket)			X
3 exhibits for the exhibition opening »seeing and touching«			X
Logo presence in advertising formats, Social media, conference documents, PR messages with a wide media coverage		X	X
Management Summary of the Study »Composites in 3D«	X	X	X
Publication of a company profile in the market / technology study »Composites in 3D« (double side A4, 4C)		X	
Evening event (with barbecue and wine-tasting)	X		X
Package price plus VAT in EUR	549,00	1.990,00	2.950,00

The invoice will be sent to the desired billing address after registration. With this, you will also receive our hotel recommendations. Please make the hotel reservations yourself.

The conference fees incurred are due immediately after receipt of the invoice without deduction. Cancellations and re-bookings must be made in writing. Of course, a representation of the registered person is possible.



Kontakt

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