

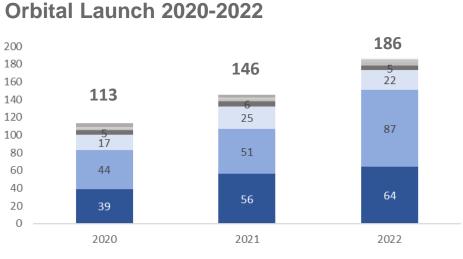
ACCESS TO SPACE AND NEW GROWTH MARKETS

JANUARY 18, 2023

ULRICH SCHEIB, CCO MT AEROSPACE AG

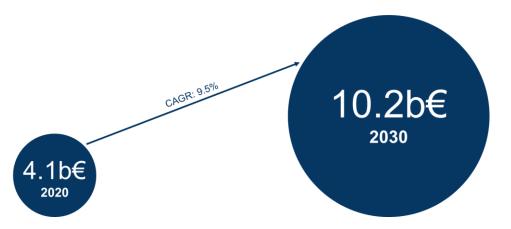
SPACE TRANSPORTATION MARKET ENVIRONMENT





■ China ■ USA ■ Russia ■ Europe ■ India ■ Iran ■ Japan ■ South Korea

Evolution Global Low Earth Orbit Market

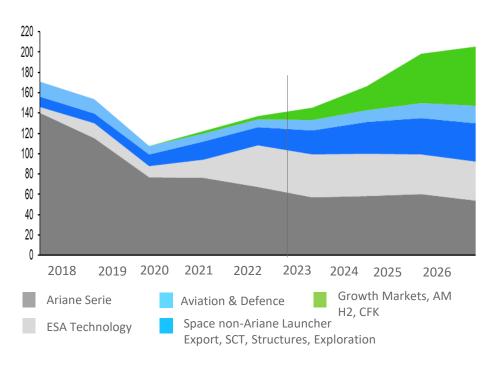


Space Transportation Development

- Space Transportation market growth coming from institutional and commercial customer
- Main growth drivers
 - Satellites constellation
 - Exploration programmes
 - New space logistics concepts
- In 2022 Space Transportation has seen increase in relevance
 - Ukrainian crisis has confirmed requirements for institutional "independent access to space" as means to secure political sovereignty
 - Space transportation as driver for economic growth and enabler for adjacent business models
 - Space transportation with active contribution to socio-political challenges - climate – hydrogen mobility – sustainability

MT AEROSPACE TRANSITION

MT-A TRANSITION 2025+ PROGRESS UPDATE



Ariane – stabilized on moderate level

- Kuiper order has sustained backlog
- Production cadence 4 for next years sustained
- Profitability stabilized by ESA support programs

ESA, DLR, EU - on track

- Allocated development funds secure revenues for next years
- Upside potential from ESA Exploration programs, SCT, etc
- C-Min 22 budgets confirm perspective for next years until 2025

Space Non-ESA – with upside potential

- US Export: with upside revenue perspective
- Series contracts achieved "Exploration", tanks, structures in discussion
- Spacecraft components: SC tanks, structures, panels, central tubes

Growth Markets - in development

- AM: in ramp up revenue perspective confirmed on track
- Hydrogen Mobility: competence team build up first projects acquired
- CFRP: strategy in implementation
- Defence: defence budget increase confirms growth potential first acquisition
- Stable growth from 2021 onwards sales target of 200 Mio. € to be achieved by 2025
- Target portfolio with several sustainable businesses Sales > 20 Mio. € p.a. Ariane - Space - Growth Markets: AM, Hydrogen, CFRP & Defence
- Growth via transfer of existing products & capabilities to new markets and customer



ARIANE 6: PROGRAMM STATUS





ULPM Hot Fire Test



Combined Test

- Road to Ariane 6 First Launch
 - ULPM Hot Firing Test in LAM successful end 2022
 - Combined Test (Firing) in Kourou planed for mid 2023
 - A6 Maiden Flight: ESA DG communication for end 2023

MT-A Status

- MT-A components successful qualified
- Delta-development for constellation configuration ongoing
- MT-A production in 2022 up to Flight Model 7
- Production plan for next years a cadence 4
- Operational and financial stability sustained by ESA accompanying programs

Next Steps

Decision on Exploitation Modell for Series Phase to be taken in 2023

MT TRANSITION – TECHNOLOGY DEVELOPMENTS FOR FUTURE COMPETITIVENSS



Themis Tank



Shootpeening



Next Generation Technologies in Development

- Industrial approach to cost reduction, scalable production, performance increase, mission flexibility
- Themis Steel Tank for Reusable Demo-Stage
 - "New Space Tank" from MT-A
 - Tank delivery September 2022 for reusability test in 2023
- Digitalisation in Production Shotpeening with Artificial Intelligence
 - First Series panels successfully produced in July 2022

MT TRANSITION - LAUNCHER EXPORT





SLS- Boeing Space Launch Vehicle

Launcher Export

Ongoing programmes

- Perspective for MT-A to participate to US market growth confirmed
- Contracts for US Launcher and Exploration programmes signed in 2022
 development and series production contracts up to flight model 12
- MT-A contribuitions to US launcher programmes:
 tank components, dome segments, dome caps & transfer lines
- MT-A contribution to US exploration programmes:
 Habitat structure for privately financed space station

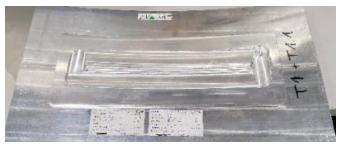
Business Development

- Business development for expansion of US business ongoing
- Further proposals under evaluation with US customer
- Plan to open MT-A US entity in 2023

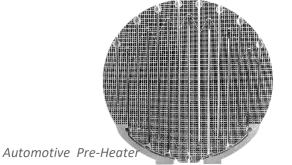
MT TRANSITION - ADDITIVE MANUFACTURING







AFSW Testteil



Technology Development Programmes for DED & AFS

- ESA contract for large structures progressing well
- First DED & ASFW parts successfully manufactured & tested
- Potential for significant cost reduction, scalable production at reduced lead times

Commercial Business Development

- Commercial business in ramp up
- Successful deliveries for defence, automotive and space customer in 2022
- Ongoing Offers confirm growth perspective >30Mio€p.a.
 scalable production for automotive customer in negotiation
- Partnership with EOS, AddUp signed
- Industrialisation for series production in preparation with external support
 manufacturing-process, infrastructure, -layout plans

MT TRANSITION - HYDROGEN MOBILITY







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Civil Aviation

- First contracts for LH2 tank system with MTU &
- EU Clean Aviation LH2 tank system for ATR ground demonstrator
 with MTU / Leonardo

Military Aviation

LH2- Propulsion system for mil. Drones – with Hensoldt & Nexeya

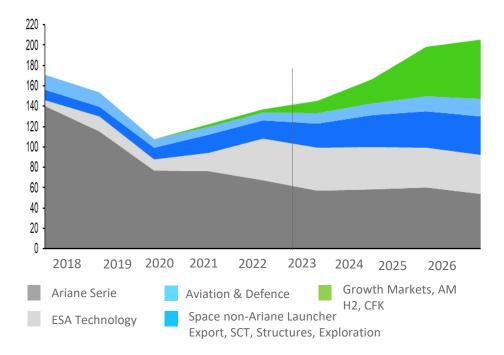
Maritime

 Electric propulsion system for ships e.g. ThyssenKrupp Marine Systems, Greenplug

MT AEROSPACE TRANSITION



MT-A TRANSITION 2025+: PERSPECTIVE FOR GROWTH



- Transition well on Track
- Growth Road Map Confirmed



Q&A Session 5

ULRICH SCHEIB, MANAGEMENT BOARD MT AEROSPACE AG STEFAN TWERASER, CEO ROCKET FACTORY AUGSBURG MARCO FUCHS, CEO KURT MELCHING, CFO