



IR Presentation

Dr Martin Zwysig, CFO, July 2018

Agenda

1. **Autoneum at a glance**
2. **Highlights and Half-Year results 2018**
3. **Outlook Full Year 2018**
4. **New mobility trends**

Appendix

Who we are

Autoneum in a nutshell



Who we are

Key facts & figures



Stock listed company
(**SIX** Swiss Exchange)



55 production facilities
worldwide



Revenue 2017:
CHF 2203.0 million



Represented in **25**
countries



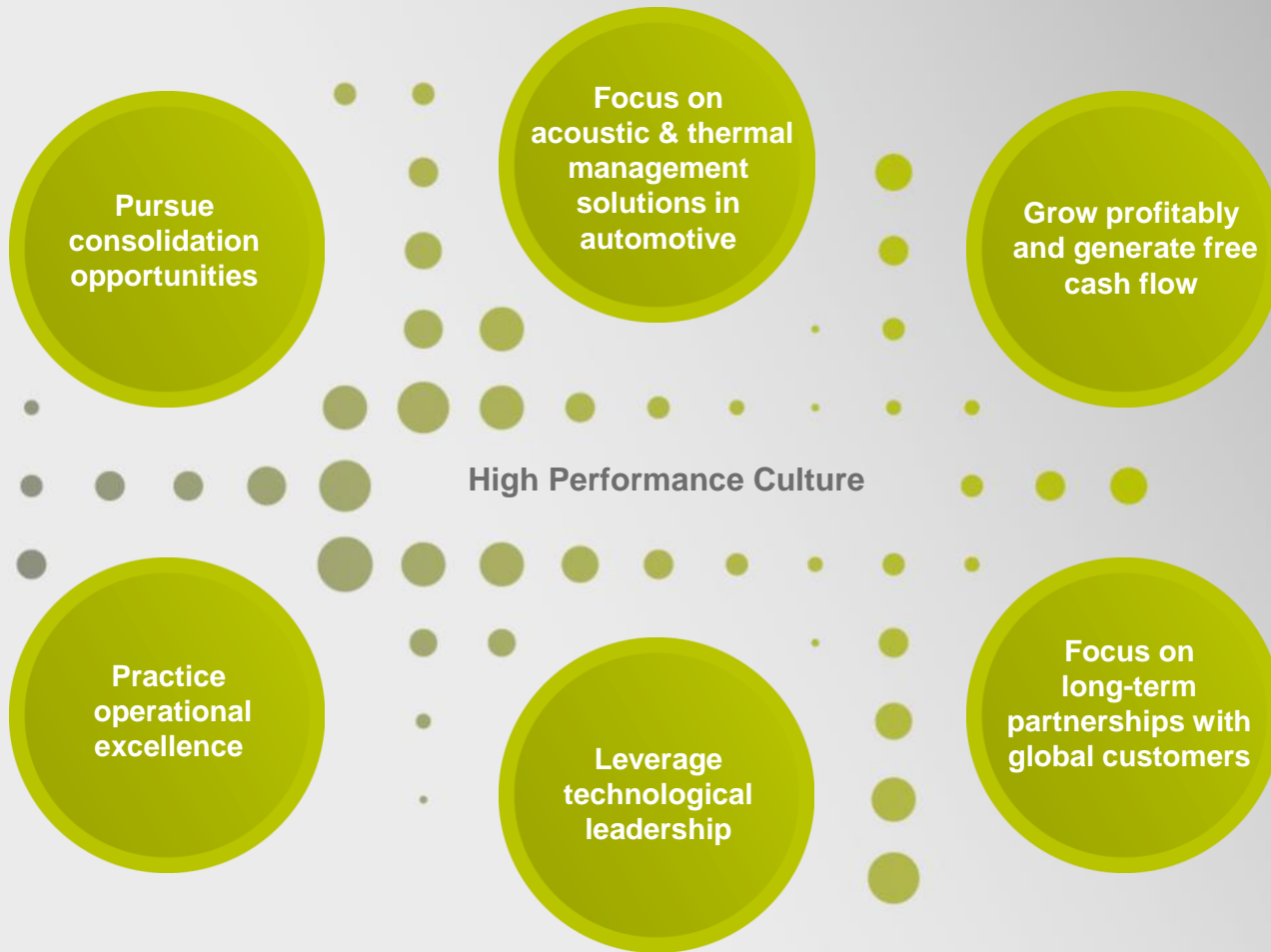
EBIT margin 2017: **8.1%**



Over **12000** employees

Strategic priorities

Clear profile as automotive supplier



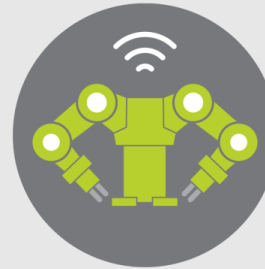
Strategic priorities

Strategic Focus Areas 2025

Accelerate Asia



Drive Digitalization



Innovate for New Mobility



Advance Sustainability



Organization

Group Executive Board



Martin Hirzel
CEO
20 years of automotive
experience



Dr Martin Zwyssig
CFO
14 years of automotive
experience



Matthias Holzammer
Head BG Europe
27 years of automotive
experience



John T. Lenga
Head BG North America
22 years of automotive
experience



Andreas Kolf
Head BG Asia
23 years of automotive
experience

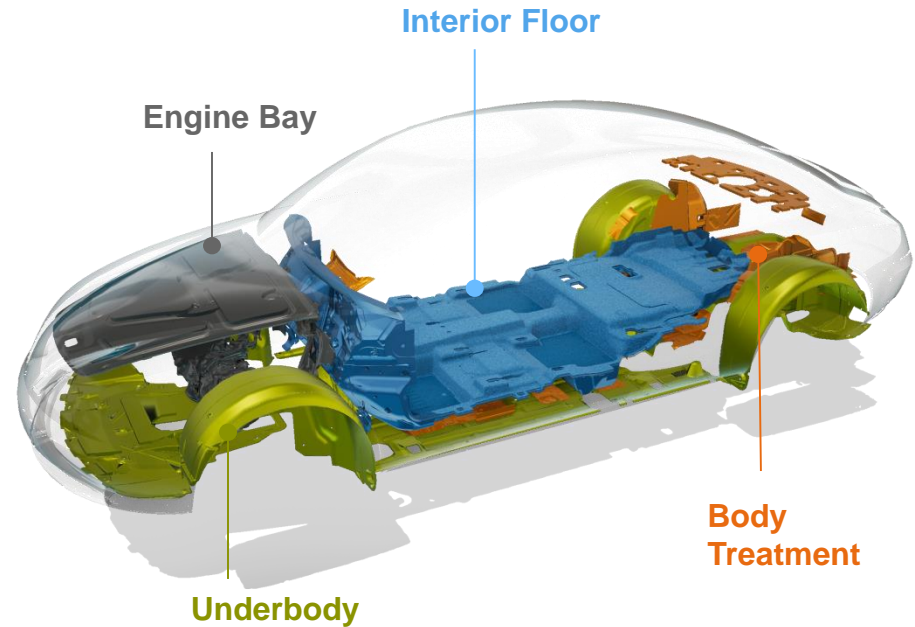


Fausto Bigi
Head BG SAMEA
22 years of automotive
experience

Leading in acoustic and thermal management

Four product lines

- Broad range of technologies
- Innovative materials and processes
- Customized systems and components
- Cost effective and lightweight solutions
- Total vehicle optimization
- Measurement systems and simulation tools



Global Presence

autoneum

Autoneum

Locations with minority shareholders

Associated companies and investments

Licenses

Belgium
· Genk

Czech Republic
· Bor
· Choceň
· Hnátice

France
· Aubergenville
· Blainville
· Lachapelle-aux-Pots
· Moissac
· Ons-en-Bray

Germany
· Grossostheim
· Munich
· Rossdorf-Gundernhausen
· Sindelfingen

Great Britain
· Halesowen
· Heckmondwike
· Stoke-on-Trent

Hungary
· Komárom

Italy
· Santhià

Poland
· Katowice
· Nowogard

Portugal
· Setúbal

Russia
· Ryazan

Spain
· A Rúa
· Valldoreix

Sweden
· Gothenburg

Switzerland
· Sevelen
· Winterthur (HQ)

North America

Canada
· London, Ontario
· Tillsonburg, Ontario

Mexico
· Hermosillo
· Mexico City
· San Luis Potosí
· Silao

USA
· Aiken, South Carolina
· Bloomsburg, Pennsylvania
· Jeffersonville, Indiana
· Novi, Michigan
· Oregon-Lallendorf, Ohio
· Oregon-Wynn, Ohio
· Sunnyvale, California
· Jackson, Tennessee
· Monroe, Ohio
· Somerset, Kentucky
· Tinley Park, Illinois
· Valparaiso, Indiana

SAMEA

Argentina
· Córdoba

Brazil
· Gravataí
· São Paulo
· Taubaté

Iran
· Mashhad

South Africa
· Rosslyn
· Durban

Turkey
· Bursa

Europe

Asia

China
· Changsha
· Chongqing
· Shanghai
· Shenyang
· Taicang
· Yantai
· Guangzhou
· Tianjin
· Wuhan
· Fuzhou

India
· Behror
· Chennai
Indonesia
· Jakarta
Japan
· Tokyo

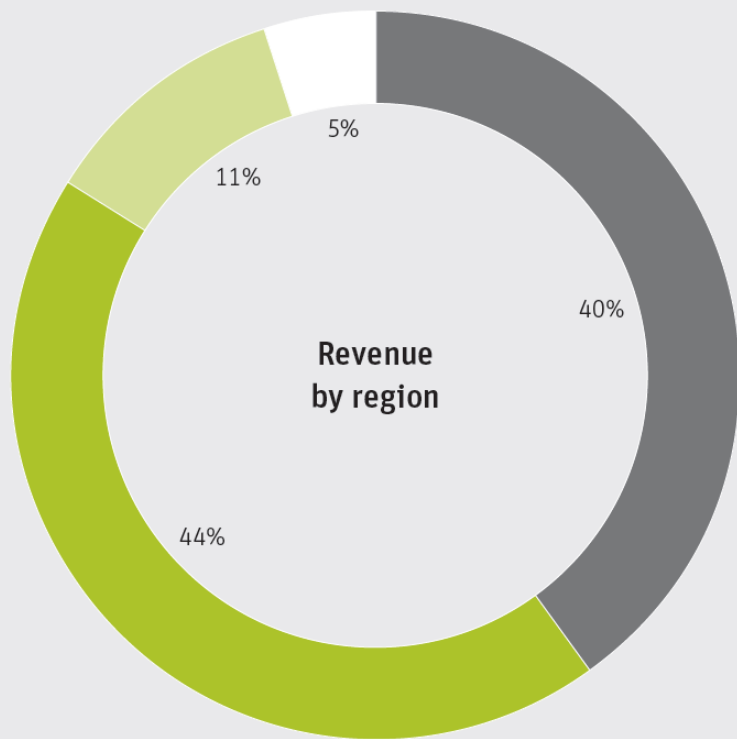
Malaysia
· Shah Alam

South Korea
· Seoul

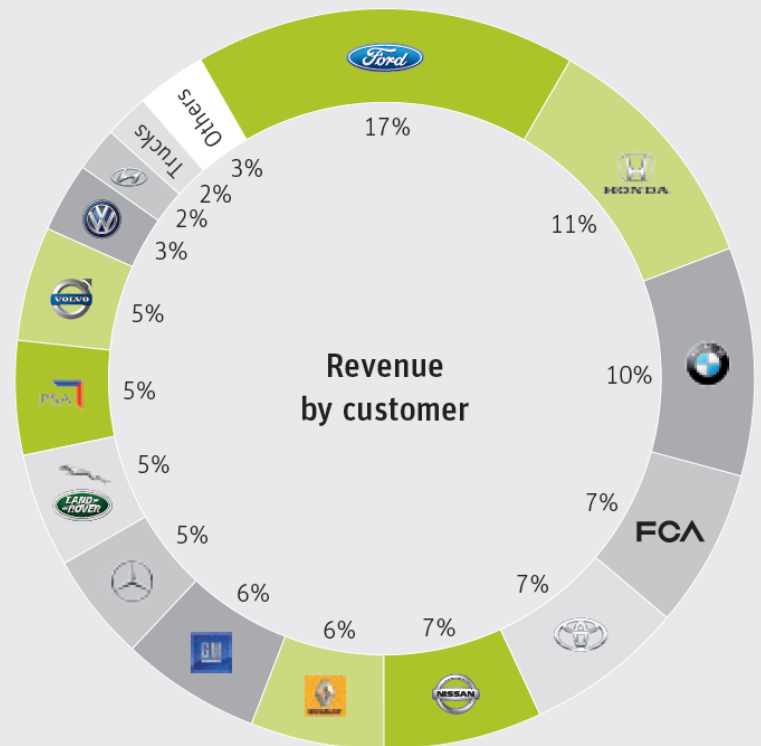
Taiwan
· Taoyuan

Thailand
· Laem Chabang
· Chonburi

Revenue 2017



- Business Group Europe
- Business Group North America
- Business Group Asia
- Business Group SAMEA



Corporate Responsibility

Key commitments

- Corporate Responsibility is **at the heart of our business** and **defines everything we do**
- Commitment to become the **Corporate Responsibility benchmark** among our industry peers
- Commitment to **transparency and accountability** by reporting according to the GRI Standards on an annual basis
- Commitment to proactively shape the **environmental and social regulatory agenda**



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Appendix

3.9%

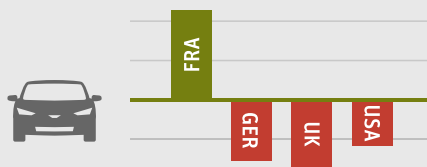
Revenue increase
of 3.9% in Swiss francs



Business Groups
Europe, Asia and SAMEA
with above-market revenue growth

7.5%

EBIT margin
at respectable 7.5%



Shrinking production volumes in
major automotive markets

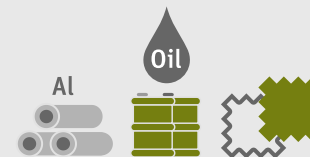


Opening of sixth Eastern European
plant in Komárom, Hungary

Highlights Half-Year 2018



Several ramp-ups for models of
European OEMs in USA



Rise of raw material
prices continues



Strong capacity expansion
and high investments in China

Key figures

Overview

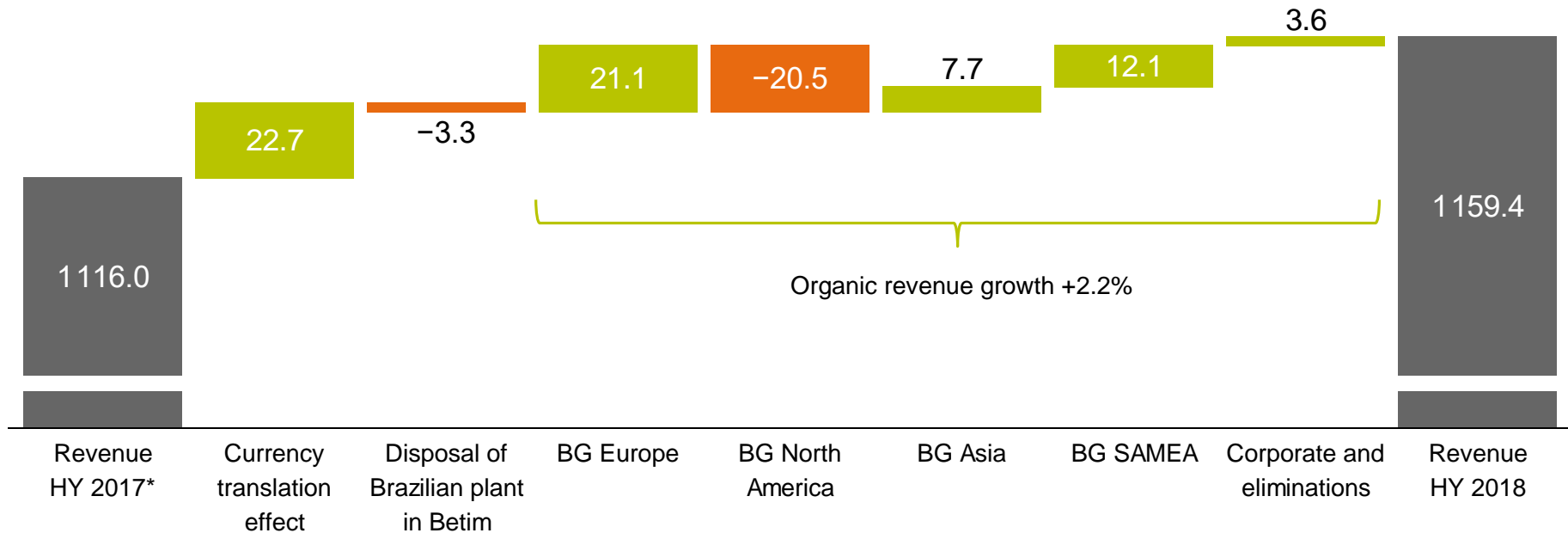
| CHF million | HY 2018 | HY 2017* |
|---------------------------------------|----------------|----------|
| Revenue | 1 159.4 | 1 116.0 |
| EBITDA | 127.2 | 130.1 |
| <i>in % of revenue</i> | 11.0% | 11.7% |
| EBIT | 86.4 | 94.0 |
| <i>in % of revenue</i> | 7.5% | 8.4% |
| Net profit | 60.1 | 61.7 |
| Investments in tangible assets | -72.7 | -67.7 |
| Free cash flow | -24.1 | -36.0 |
| RONA | 13.2% | 17.1% |
| Basic earnings per share (EPS) in CHF | 10.49 | 10.42 |

*Restated to reflect the adoption of IFRS 15.

Revenue development

Organic revenue growth in line with market

CHF million

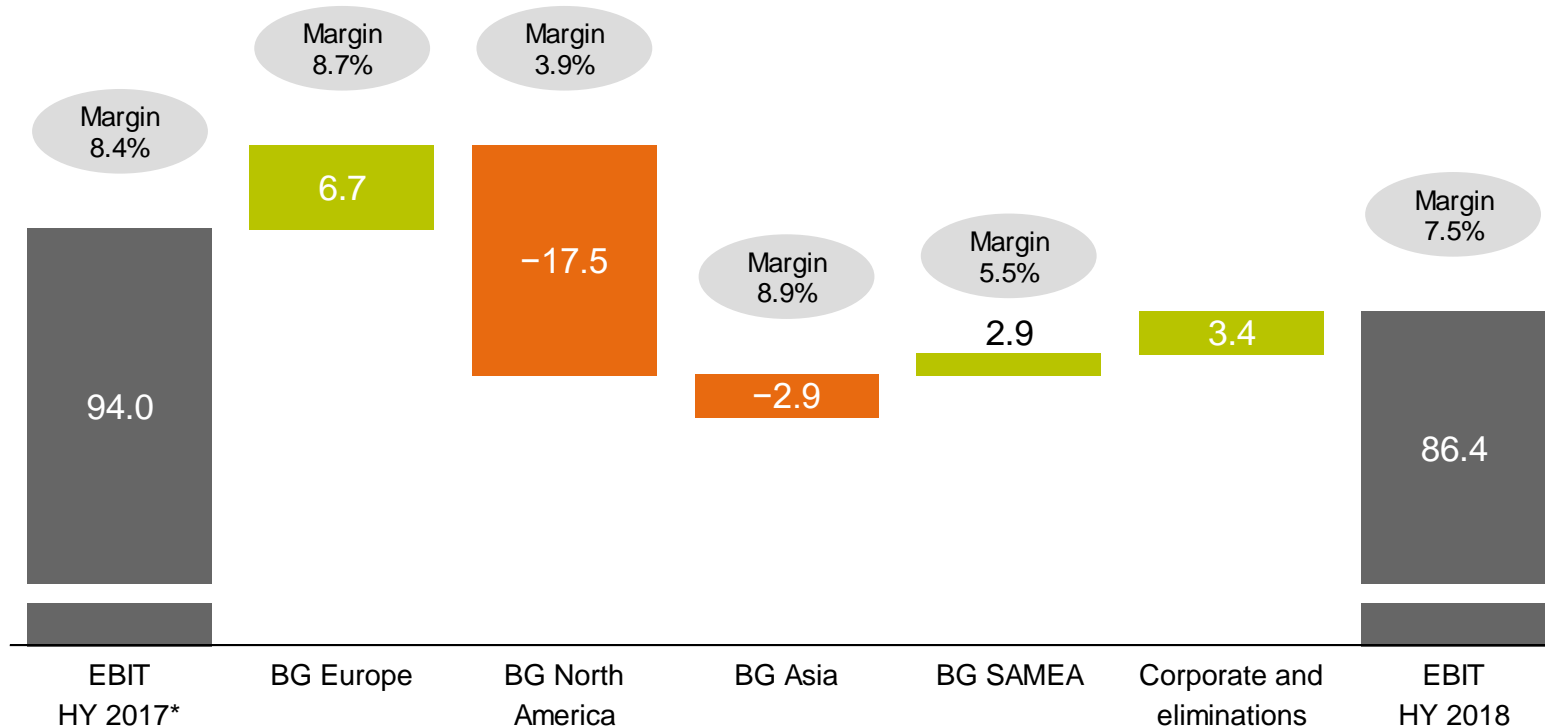


*Restated to reflect the adoption of IFRS 15.

Operating result (EBIT) development

Weak US market and expansion in Asia impact profitability

CHF million

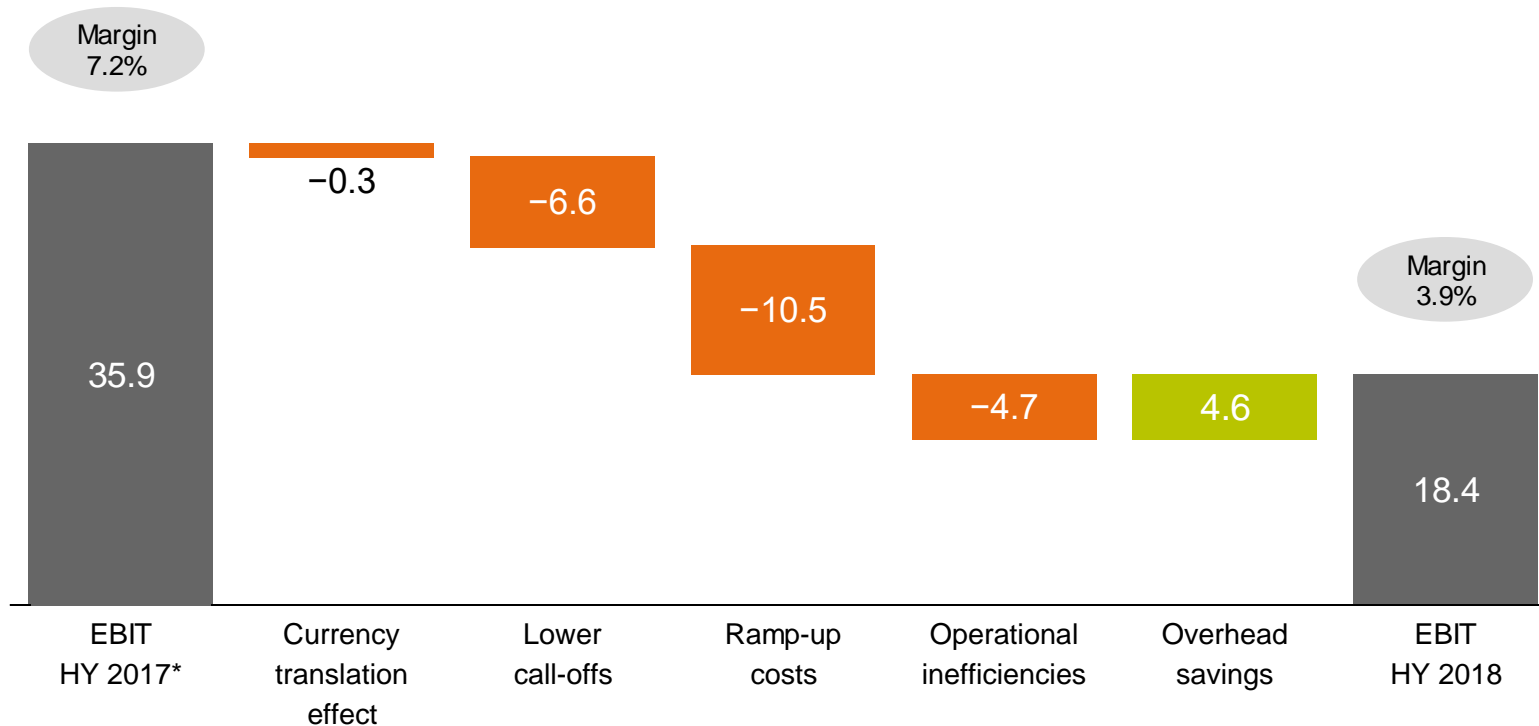


*Restated to reflect the adoption of IFRS 15.

EBIT development BG North America

Lower call-offs, ramp-up costs & operational inefficiencies

CHF million



*Restated to reflect the adoption of IFRS 15.

Income statement

Net profit on prior-year level

| CHF million | HY 2018 | HY 2017* |
|---|----------------|----------|
| Revenue | 1159.4 | 1 116.0 |
| EBIT | 86.4 | 94.0 |
| Financial result | -2.7 | -3.1 |
| Profit before taxes | 83.7 | 90.8 |
| Income taxes | -23.7 | -29.1 |
| Net profit | 60.1 | 61.7 |
| attributable to AUTN shareholders | 48.9 | 48.5 |
| attributable to non-controlling interests | 11.2 | 13.2 |

- Revenue in Swiss francs increased by 3.9%
- Well balanced funding at attractive interest rates
- Income taxes managed on a sustainable level at 28.3%
- Net profit margin of 5.2% on prior-year level

*Restated to reflect the adoption of IFRS 15.

Balance sheet

Solid balance sheet

| CHF million | 30.06.2018 | 31.12.2017* | 30.06.2017* |
|-----------------------------|----------------|-------------|-------------|
| Total assets | 1 623.0 | 1 542.9 | 1 393.1 |
| Non-current assets | 888.1 | 853.0 | 738.1 |
| Net working capital | 140.3 | 105.5 | 111.7 |
| Cash and cash equivalents | 73.0 | 103.8 | 102.1 |
| Borrowings | 333.5 | 288.8 | 252.2 |
| Net debt | 259.8 | 183.3 | 149.1 |
| Shareholders' equity | 666.2 | 658.3 | 565.3 |
| <i>in % of total assets</i> | 41.0% | 42.7% | 40.6% |
| Market capitalization | 1 080.9 | 1 306.6 | 1 223.9 |

- Continuing capacity development and expansion
- Increased NWC due to numerous production ramp-ups and associated stock in tooling
- Solid equity ratio slightly lowered due to increased total assets and the seasonal dividend payments

*Restated to reflect the adoption of IFRS 15.

Cash flow

Continuing capacity development and expansion

| CHF million | HY 2018 | HY 2017 |
|---|----------------|---------|
| Cash flows from operating activities | 48.5 | 47.3 |
| Cash flows used in investing activities | -72.6 | -83.3 |
| Free cash flow | -24.1 | -36.0 |
| Cash flows used in financing activities | -5.4 | -7.4 |
| Change in cash and cash equivalents | -30.9 | -47.8 |
| Cash and cash equivalents at June 30 | 73.0 | 102.1 |

- Operating cash flow slightly above prior-year level
- Increased investments in tangible assets due to capacity development and expansion
- Discontinuation of investments in non-current financial assets
- Free cash flow has improved, albeit remaining negative for the first half-year

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Market



Rise in global automobile production
to 97 million light vehicles
(growth rate of 2%)*

Guidance 2018

Revenue



Organic revenue growth
of around 3%

Profitability



The Group's EBIT margin
is expected to be at 7%

*According to IHS.

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New mobility trends

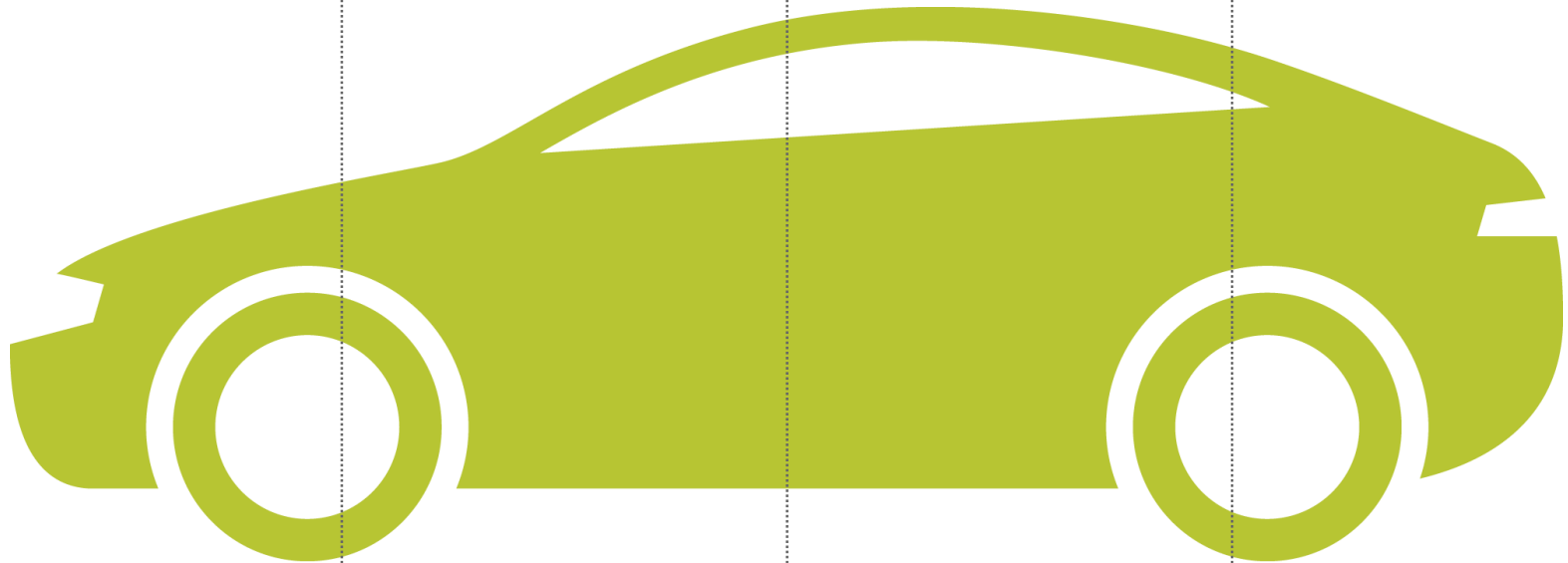
Impacting the automotive industry beyond 2020

E-Mobility

Connectivity

Autonomous Driving

Shared Mobility



Market development of electric vehicles

Outlook on Autoneum offering development

| | 2018 | 2022 | 2027 |
|------------------|--|--|--|
| Scenario | <ul style="list-style-type: none"> ➤ Few BEV models on the market ➤ Pioneering OEMs ➤ Low production volume | <ul style="list-style-type: none"> ➤ More BEV models on the market ➤ All OEMs ➤ Growing production volume | <ul style="list-style-type: none"> ➤ Many BEV models on the market ➤ All OEMs – autonomous/shared driving ➤ High production volume |
| Players | <ul style="list-style-type: none"> • Few pioneer OEMs • Automotive start-ups and digital giants moving into Automotive | <ul style="list-style-type: none"> • New OEMs successful in scaling up • Traditional OEMs | <ul style="list-style-type: none"> • New OEMs successful in scaling up • Traditional OEMs |
| Technical focus | <ul style="list-style-type: none"> • Implement disruptive product contents • Acoustics has to be just right | <ul style="list-style-type: none"> • Consolidate and improve disruptive product contents • Acoustics as differentiator in premium segments | <ul style="list-style-type: none"> • Acoustics as differentiator in all segments |
| Autoneum actions | <ul style="list-style-type: none"> • Engineering services (simulation in particular) • Lightweight technologies adapted to BEVs • Develop innovative products | <ul style="list-style-type: none"> • Engineering services (simulation in particular) • Joint developments with OEMs to identify consumer needs in new mobility • Adjust product portfolio | <ul style="list-style-type: none"> • Provide engineering services (simulation in particular) • Offer disruptive specific products for new mobility |

Autoneum's current e-car supply

Broad range equipped by Autoneum

| Product family | BMW i3  | Chevrolet Bolt  | Nissan Leaf  | Renault Zoe X10  | Daimler B-Class  |
|--|--|---|---|---|---|
| Volumes 2017 | 32,000 | 30,000 | 35,000 | 31,000 | 4,500 |
| Carpet systems  | o | o | o | ✓ | o |
| Inner dashes / interior insulators  | o | ✓ | ✓ | ✓ | o |
| Dampers and stiffeners  | o | o | ✓ | ✓ | o |
| Underbody shields  | o | o | ✓ | ✓ | ✓ |
| Wheelhouse outer liners  | o | o | ✓ | o | o |
| Engine encapsulations  | ✓ | / | ✓ | / | / |
| Hoodliner / Outer dashes  | o | o | ✓ | ✓ | o |
| NVH development  | ✓ | / | ✓ | ✓ | o |

✓: Part supplied by Autoneum o: Part supplied by competitors /: Part not required

Autoneum's e-car supply 2018 – 2020

Delivery of two new players

| Product family | 2018 OEM | 2018 OEM | 2018 New OEM | 2019 OEM | 2019 New OEM | 2019 OEM | 2019 OEM | 2020 OEM | New OEMs |
|--|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |
| Carpet systems  | ✓ | o | o | o | o | o | ✓ | ✓ | |
| Inner dashes / interior insulators  | ✓ | ✓ | o | o | ✓ | ✓ | ✓ | ✓ | |
| Dampers and stiffeners  | o | o | o | o | / | o | o | o | |
| Underbody shields  | o | o | ✓ | ✓ | ✓ | ✓ | o | o | |
| Wheelhouse outer liners  | o | ✓ | o | o | ✓ | o | ✓ | o | |
| Engine encapsulations  | o | / | o | o | RFQ ongoing | / | / | o | |
| Hoodliner / Outer dashes  | o | / | o | o | ✓ | ✓ | RFQ ongoing | / | |
| NVH development  | / | / | RFQ ongoing | / | ✓ | RFQ ongoing | / | / | ✓ |

✓: Part supplied by Autoneum o: Part supplied by competitors /: Part not required

Self-driving cars and shared mobility

High sales potential

Self-driving cars

Wellness, work, communication and entertainment:
passengers will expect absolute silence and a healthy interior environment

Sustainability:
Sustainability of products and production processes will be a key element in all future vehicles, independent of the powertrain and the degree of autonomous driving

Interior architectures:
the instrument panel will shrink and leave more room for comfortable surfaces with acoustic absorption to compensate sound reflecting glass roof

New materials and function integration:
development of novel attractive surfaces and work on the integration of acoustic and thermal functions in new materials

Shared mobility

Tough interiors:
resistance to dirt, cleanability and wear resistance will play a major role in fleets of shared cars

Fleet customization:
fleet operators will demand technologies to personalize the interiors of their vehicles

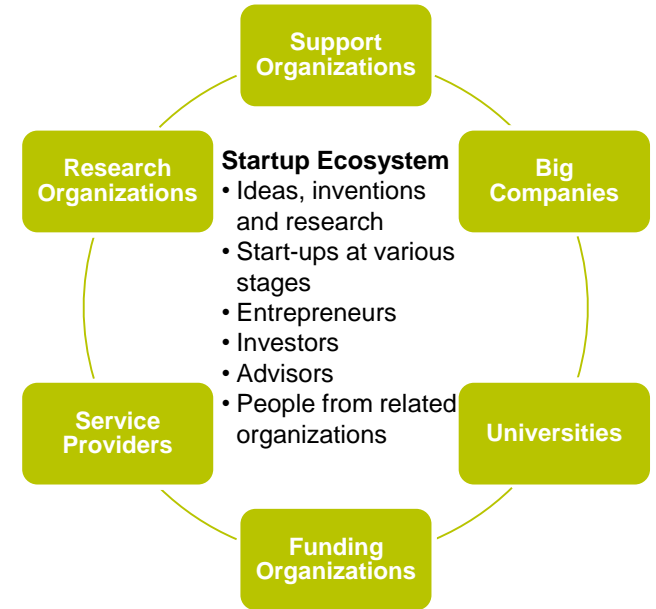
Aftermarket:
replacing of worn out interior parts in shared cars with high utilization might offer opportunities for new business

Design to cost:
Autoneum's leading simulation tools help to design the best compromise between performance and cost

Competence Center New Mobility (CCNM)

The mission

- Actively monitor ideas in the start-up ecosystem and feed innovation in R&T
- Establish mutual beneficial relations with new OEMs
- Leverage on digital transformation
- Support the global organization with facts and data on new mobility



CCNM at the heart of the transformation cradle



Knowledge management



Operational



New mobility OEMs and start-ups in California, USA

Short list ranking by Venture Capital

| New OEM | Founding | Employees | EV* | AD* | SM* | Product Description | Production Capacity | Production Timing | Capital |
|-----------------------|----------|-----------|-----|-----|-----|---------------------------------|-------------------------|------------------------|---------------------|
| NIO | 2014 | 2000 | x | x | | Luxury Electric Car | 8 prototypes produced | Planned for 2020 | \$1 billion |
| Zoox | 2014 | 500 | x | x | x | Autonomous electric car | Prototype | Unknown | \$300 million |
| Tesla | 2003 | 33,000 | x | x | | Luxury electric car | Over 200k vehicles sold | First produced in 2008 | \$226 million (IPO) |
| Lucid Motors | 2007 | 500 | x | x | | Luxury electric car | Prototype | Planned for 2019 | \$200 million |
| Faraday Future | 2014 | 1400 | x | x | | Luxury electric car | Prototype | Planned for 2018 | \$13.75 million |
| Dubuc Motors | 2013 | 50 | x | | | Performance electric car | Prototype | Planned for 2018 | \$2 million |
| NEXT | 2015 | 10 | x | x | | Modular electric bus | Prototype | Unknown | \$160K |
| Hummingbird EV | 2016 | 50 | x | | | Hybrid/electric truck | Prototype | Unknown | N/A |
| Karma | 2015 | 700 | x | | | Performance hybrid/electric car | 900 Reveros sold | First produced in 2017 | N/A |
| SF Motors | 2016 | 500 | x | x | | Autonomous electric Car | Prototype | Planned for 2019 | N/A |

Source: Web.

*EV: Electric Vehicle, AD: Autonomous Driving, SM: Shared Mobility.

New mobility





Excel at trend analysis to unlock potential






| | | |
|--|--|---|
|  <p>BEV/HEV</p> | <p>E-motors / Batteries / Vehicle architectures</p> |  |
|  <p>Autonomous Driving</p> | <p>Customer expectation</p> |  |
|  <p>Shared Mobility</p> | <p>Ownership</p> |  |

| Topics | Opportunities |
|-------------------------------|---|
| Powertrain tonal noise | Specific treatments, diagnostics and simulation |
| Weight down | Leverage lightweight portfolio |
| Aerodynamics | Extended underbody coverage |
| Dominant road noise | Textile exterior treatments |
| Sustainable technologies | Leverage recycled fiber technologies |
| Lack of heat sources | Use sound package for thermal comfort |
| Style of interior | Innovation in new materials |
| Comfort in autonomous driving | New levels of quietness |
| Shared use | Durability, cleanability |

Innovating for new mobility

Selected carpet technologies

| | | | | |
|---------|---|--|-------------------------------|--------------------------------------|
| Tune-It |  | <div><div> acoustics</div><div> lightweight</div><div> ecoway</div></div> <ul style="list-style-type: none">• Improved control of AFR on main floor carpet to optimize carpet acoustic performance• Up to 25% lighter versus conventional latex/LDPE constructions• PET mono-material construction allows to re-spin fibers or filaments. Fibers can be looped back into the carpet substrate | Topic | Opportunity |
| | | | Weight down | Leverage lightweight portfolio |
| | | | Sustainable technologies | Leverage recycled fiber technologies |
| | | | Comfort in autonomous driving | New levels of quietness |

| | | | | |
|----------|--|--|-----------------|----------------|
| Di-Light |  | <div><div> lightweight</div><div> acoustics</div><div> functionality</div><div> ecoway</div></div> <ul style="list-style-type: none">• Improved durability and better aesthetics• Carpet is produced with recycled bottle flakes (up to 97% recycled content)• High stain-resistance due to its hydrophobic surface | Topic | Opportunity |
| | | | Shared mobility | Durability |
| | | | BEV | Sustainability |


Innovating for new mobility


Selected exterior acoustics technologies

| Ultra-Silent |  | <div> lightweightacousticsstructuralecoway</div> <ul style="list-style-type: none">• 100% porous product covering large areas under the vehicle -> reduces interior and exterior noise• Benchmark fixation point strength and excellent stone impact performance for a high quality and durable product• 100% polyester composition ensures zero carbon emissions (VOC) as well as a full end-of-life recyclability | <table><tr><th>Topic</th><th>Opportunity</th></tr><tr><td>Weight down</td><td>Leverage lightweight portfolio</td></tr><tr><td>Aerodynamics</td><td>Extended underbody coverage</td></tr><tr><td>Dominant road noise</td><td>Textile exterior treatments</td></tr><tr><td>Sustainable technologies</td><td>Leverage recycled fiber technologies</td></tr><tr><td>Comfort in autonomous driving</td><td>New levels of quietness</td></tr></table> | Topic | Opportunity | Weight down | Leverage lightweight portfolio | Aerodynamics | Extended underbody coverage | Dominant road noise | Textile exterior treatments | Sustainable technologies | Leverage recycled fiber technologies | Comfort in autonomous driving | New levels of quietness |
|-------------------------------|--|---|---|-------|-------------|-------------|--------------------------------|---------------------|-----------------------------|--------------------------|--------------------------------------|-------------------------------|--------------------------------------|-------------------------------|-------------------------|
| Topic | Opportunity | | | | | | | | | | | | | | |
| Weight down | Leverage lightweight portfolio | | | | | | | | | | | | | | |
| Aerodynamics | Extended underbody coverage | | | | | | | | | | | | | | |
| Dominant road noise | Textile exterior treatments | | | | | | | | | | | | | | |
| Sustainable technologies | Leverage recycled fiber technologies | | | | | | | | | | | | | | |
| Comfort in autonomous driving | New levels of quietness | | | | | | | | | | | | | | |
| Era-Light |  | <div> lightweightacousticsperceived qualityecoway</div> <ul style="list-style-type: none">• Benchmark in acoustic performance relevant to underbody• Durable product and consistent performance despite exterior application• Minimum added weight per acoustic performance increase• Potential mono-material solution | <table><tr><th>Topic</th><th>Opportunity</th></tr><tr><td>Weight down</td><td>Leverage lightweight portfolio</td></tr><tr><td>Dominant road noise</td><td>Textile exterior treatments</td></tr><tr><td>Sustainable technologies</td><td>Leverage recycled fiber technologies</td></tr><tr><td>Comfort in autonomous driving</td><td>New levels of quietness</td></tr></table> | Topic | Opportunity | Weight down | Leverage lightweight portfolio | Dominant road noise | Textile exterior treatments | Sustainable technologies | Leverage recycled fiber technologies | Comfort in autonomous driving | New levels of quietness | | |
| Topic | Opportunity | | | | | | | | | | | | | | |
| Weight down | Leverage lightweight portfolio | | | | | | | | | | | | | | |
| Dominant road noise | Textile exterior treatments | | | | | | | | | | | | | | |
| Sustainable technologies | Leverage recycled fiber technologies | | | | | | | | | | | | | | |
| Comfort in autonomous driving | New levels of quietness | | | | | | | | | | | | | | |

Innovating for new mobility

Selected motor noise attenuation technologies

| | | | | |
|-----------------|---|--|-------------------------------|---|
| Theta-FiberCell |  | <div><div> lightweight</div><div> acoustics</div><div> structural</div></div> <ul style="list-style-type: none">Combination of Theta-Fiber and Theta-Cell provides outstanding acoustic absorption at light weight | Topic | Opportunity |
| | | | Powertrain tonal noise | Specific treatments, diagnostics and simulation |
| | | | Weight down | Leverage lightweight portfolio |
| | | | Comfort in autonomous driving | New levels of quietness |

| | | | | |
|------------------------------|--|---|-------------------------------|--------------------------------------|
| Hybrid-Acoustics Eco+ |  | <div><div> lightweight</div><div> acoustics</div><div> functionality</div><div> ecoway</div></div> <ul style="list-style-type: none">Benchmark in acoustic performance relevant to underbodyDurable product and consistent performance despite exterior applicationMinimum added weight per acoustic performance increasePotential mono-material solution | Topic | Opportunity |
| | | | Weight down | Leverage lightweight portfolio |
| | | | Dominant road noise | Textile exterior treatments |
| | | | Sustainable technologies | Leverage recycled fiber technologies |
| | | | Comfort in autonomous driving | New levels of quietness |

Conclusion

New mobility trends: impact on product portfolio

| Product families | BEV including private autonomous | Private autonomous ICE | Shared ICE including autonomous | Shared BEV including autonomous |
|-------------------|----------------------------------|------------------------|---------------------------------|---------------------------------|
| Carpets | ↑ | ↑ | ↑ | ↑ |
| Floor insulators | ↓ | ✓ | ✓ | ↓ |
| Inner dashes | ✓ | ↑ | ✓ | ↓ |
| Wheelhouse liners | ↑ | ↑ | ✓ | ✓ |
| Underbody panels | ✓ | ↑ | ✓ | ✓ |
| Engine bay | ↓ | ↑ | ✓ | ↓ |
| Heatshields | ↘ | ✓ | ✓ | ↘ |

Conclusion

New mobility trends support future profitable growth

- New mobility trends such as e-mobility and autonomous/shared driving provide business opportunities for Autoneum
- Autoneum benefits from its proven long-standing NVH and thermal expertise
- Trends are early anticipated in the innovation pipeline
- New OEMs offer potential for outsourcing of NVH development
- For Autoneum digitalization is all about operational excellence



Industry trends such as e-mobility and autonomous/shared driving as well as Industry 4.0 support Autoneum's target of profitable growth

Contacts and event calendar

Investors and Financial Analysts

Dr Martin Zwysig
CFO

T +41 52 244 82 82

investor@autoneum.com

Media

Dr Anahid Rickmann
Head Corporate Communications &
Responsibility

T +41 52 244 83 88

media@autoneum.com

Contact Address

Autoneum Holding Ltd
Schlosstalstrasse 43 / P.O. Box
CH-8406 Winterthur

www.autoneum.com

Important Dates 2019

Publication of Revenue 2018

January 23, 2019

Media and Financial Analysts Conference Financial Year 2018

March 6, 2019

Annual General Meeting 2019

March 28, 2019

Autoneum listed on SIX Swiss Exchange

Ticker Symbol

AUTN

Valor Number

12748036

ISIN

CH0127480363

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All statements in this report which do not reflect historical facts are statements related to the future which offer no guarantee with regard to future performance; they are subject to risks and uncertainties including, but not limited to, future global economic conditions, exchange rates, legal provisions, market conditions, activities by competitors and other factors outside the Company's control. The vehicle production figures for 2018 are based on the latest estimates of IHS Global Insight.

Appendix

Broad product portfolio

Our product lines

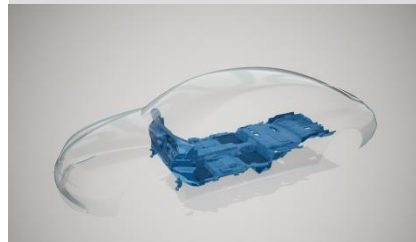
Engine Bay

- Engine Encapsulations
- Hoodliners
- Outer dashes
- Engine top covers
- Battery covers



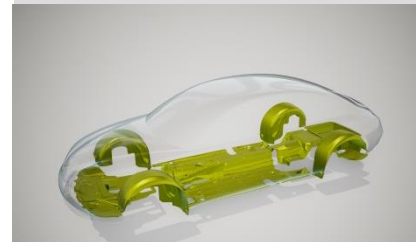
Interior Floor

- Inner dashes
- Tufted carpets
- Non-woven carpets
- Floor mats
- Floor insulators
- Spacers and crash pads



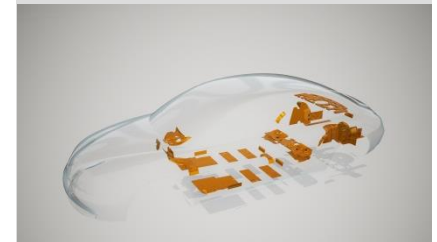
Underbody

- Underbody systems
- Wheelhouse outer liners
- Floor pans
- Battery boxes
- Heatshields







Body Treatment

- Dampers
- Stiffeners



Revenue split

| | Interior floor  <ul style="list-style-type: none"> • Inner dashes • Non-woven carpets • Tufted carpets • Floor insulator • Floor mats • Spacers/crash pads | Underbody  <ul style="list-style-type: none"> • Underbody shields • Floor pans • Heat shields • Wheelhouse outer liners | Engine bay  <ul style="list-style-type: none"> • Engine mounted parts • Body mounted parts • Engine top cover • Hoodliners • Outer dashes • Water box shields | Body treatment  <ul style="list-style-type: none"> • Dampers/stiffeners • Sealants • Other acoustic parts | Other <ul style="list-style-type: none"> • Trunk parts • Interior trim parts • Truck parts |
|---|--|---|---|--|---|
| BG Europe | 15% | 11% | 5% | 1% | 7% |
| BG North America | 29% | 5% | 4% | - | 7% |
| BG Asia | 5% | 2% | 2% | 1% | 2% |
| BG SAMEA | 2% | 1% | 1% | - | 1% |
| Revenue split 2017 by product line | 50% | 19% | 11% | 2% | 17% |

Theta-FiberCell - an engine bay innovation

Lightweight structural parts at best acoustic



Lightweight technologies allow implementation of innovative engine encapsulations for CO₂ reduction and acoustic benefit.



100% porous product allows high acoustic performance. Combination of Theta-Fiber and Theta-Cell provides outstanding acoustic absorption at light weight.



Carrier in Theta-Fiber ensures resistance to engine vibration and best-in-class mechanical properties even after long-term aging at 160°C.



Theta-FiberCell brings thermal insulation, temperature resistance up to 200°C in peak conditions, low flammability and high self-ignition temperature.



Engine top cover

Hybrid-Acoustics – an interior floor innovation

Local tuning of insulation and absorption



acoustics

According to the material variant up to 70% of recycled material is used (mostly post-industrial cotton fibers).



ecoway

Product delivering high acoustic insulation and absorption.



lightweight

Lightweight product based on porous materials like felt or foam. The parts are easy to handle and to mount in the vehicle.



functionality

Thanks to the control of the dynamic stiffness, the acoustic can be tuned locally to meet each car's NVH requirements.



Inner dash

Di-Light – an interior floor innovation

Better durability and perceived quality



Needlepunch carpets have until now been seen as cost-effective textile surfaces but prone to flattening and wear over lifetime. Di-Light is a more durable needlepunch carpet.



Durability of a carpet is not strictly correlated to its weight; Di-Light proves that with its more resilient fibrous web layer, it out-performs heavier standard needlepunch carpets.



Carpet is produced with recycled bottle flakes (up to 97% recycled content).



Better coverage with more uniform surface appearance gives better aesthetics to floor carpets.



Needlepunch carpet

Ultra-Silent – an underbody innovation

Light, durable and acoustic



lightweight

Lightest product on the market helps the customers achieving the CO₂ targets.



structural

No use of glass fibers ensures benchmark fixation point strength and excellent stone impact performance for a high quality and durable product.



ecoway

100% polyester composition ensures zero carbon emissions (VOC) as well as a full end-of-life recyclability.



acoustics

100% porous product covering large areas under the vehicle reduces interior and exterior noise.



Underfloor shield

Nero-Acoustics – a body treatment innovation

Core competence “acoustic” at low weight



Up to 50% weight reduction compared to conventional dampers – still achieving 20% weight saving compared to previous generation of lightweight dampers.



Improved damping-to-mass performance allowing to reduce the area weight of the part without altering its damping effect.



Good conformability and easy usage in trim or paint shop.



Improved process recyclability due to the change of filler material.



Damper

Measurement systems

Product portfolio

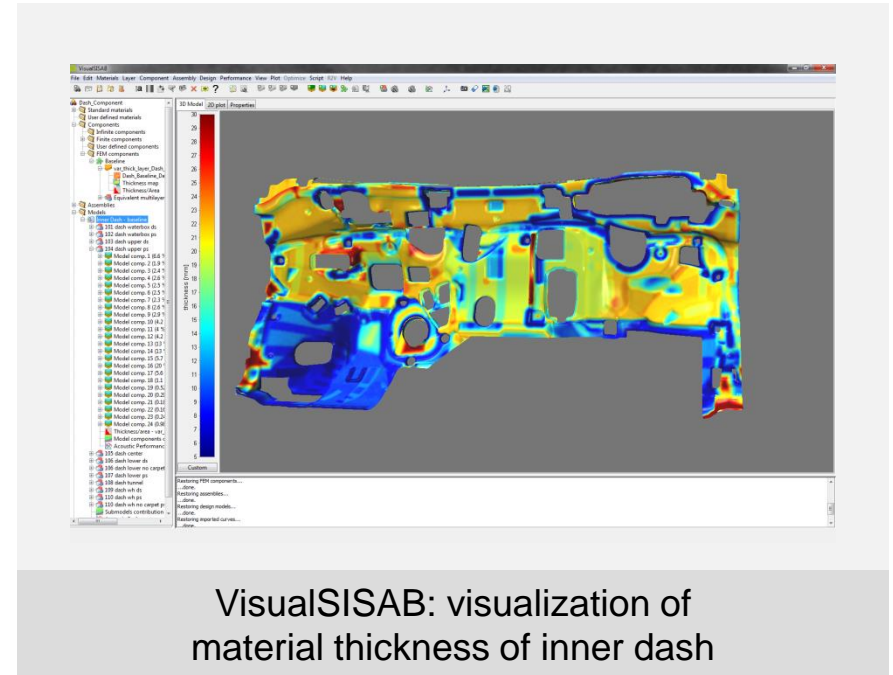
- Core competencies in acoustic and thermal management applied in specialized measurement systems
- Innovative systems to measure components and material properties
- Developed by experts – resulting in industry standards
- Measurement systems set the industry standard and are in use by OEMs, suppliers and laboratories



Simulation tools

Product portfolio

- Acoustic and Thermal Simulation tools for full system or component optimization
- Scientific analysis combined with understanding of operational boundary in the automotive industry
- Best-in-class solutions in concept and development phase and for VA/VE during serial production



autoneum

Mastering sound and heat.