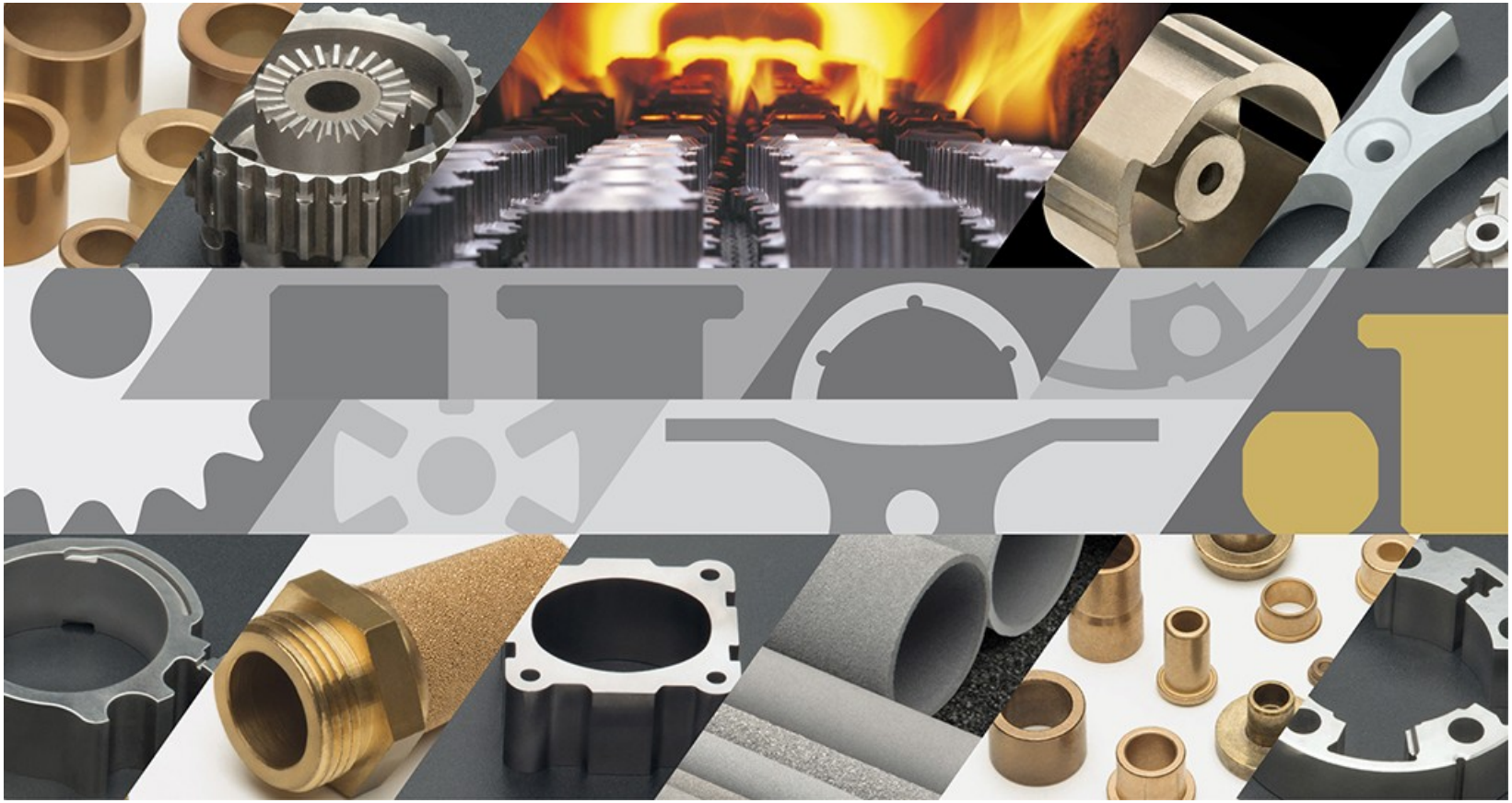
AMES

Powder
metal
components



www.ames-sintering.com
www.selfoil.com
www.amespore.com
www.ames-medical.net

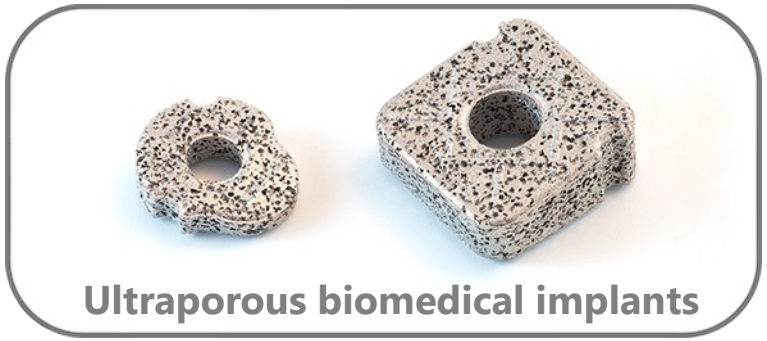
AMES - Sintered metallic components
@AMESgroupSintering
AMES
AMES MEDICAL

General data

High precision powder metal components

Mechanical components

Soft magnetic sintered parts

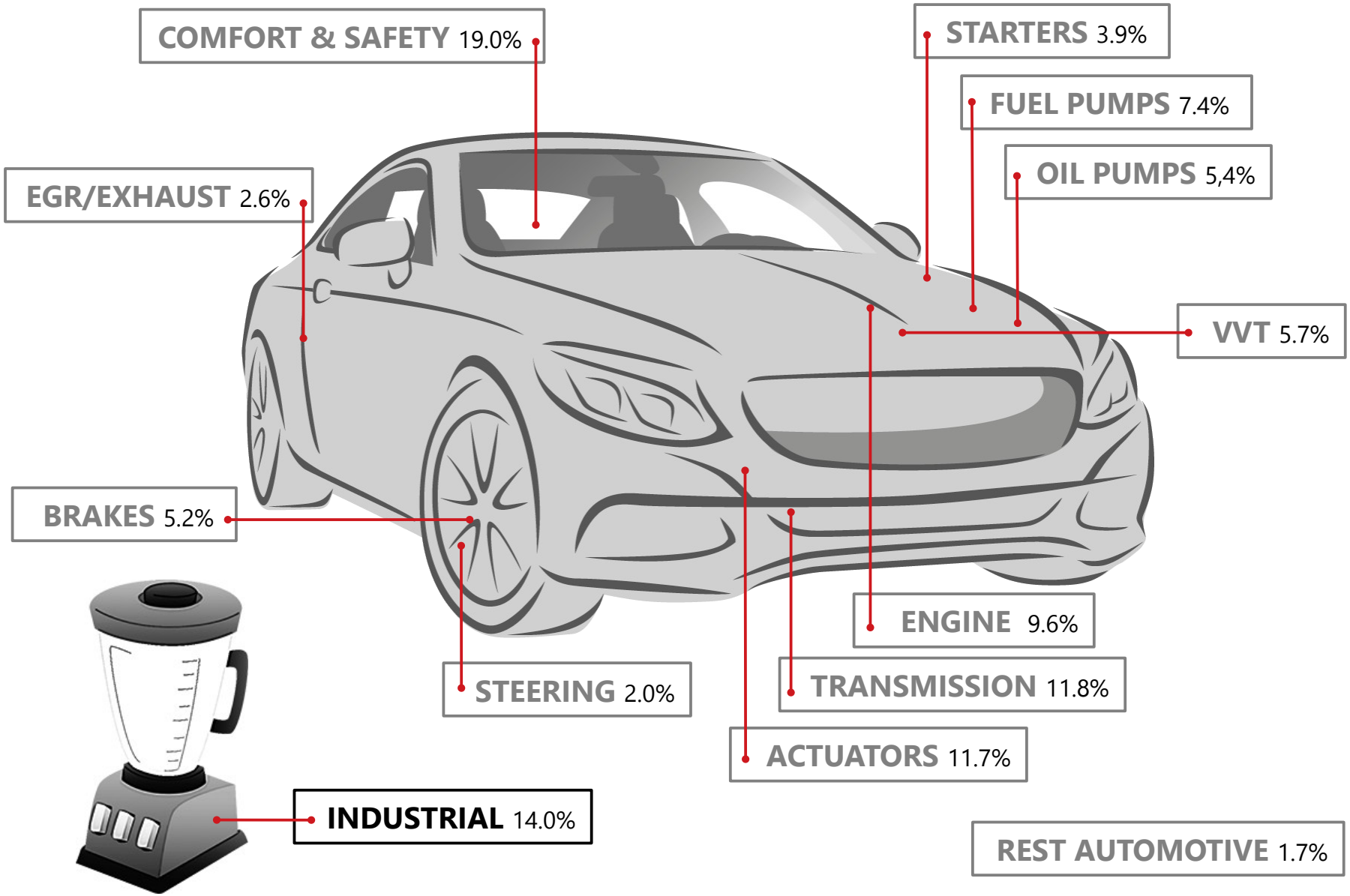


Ultraporous biomedical implants

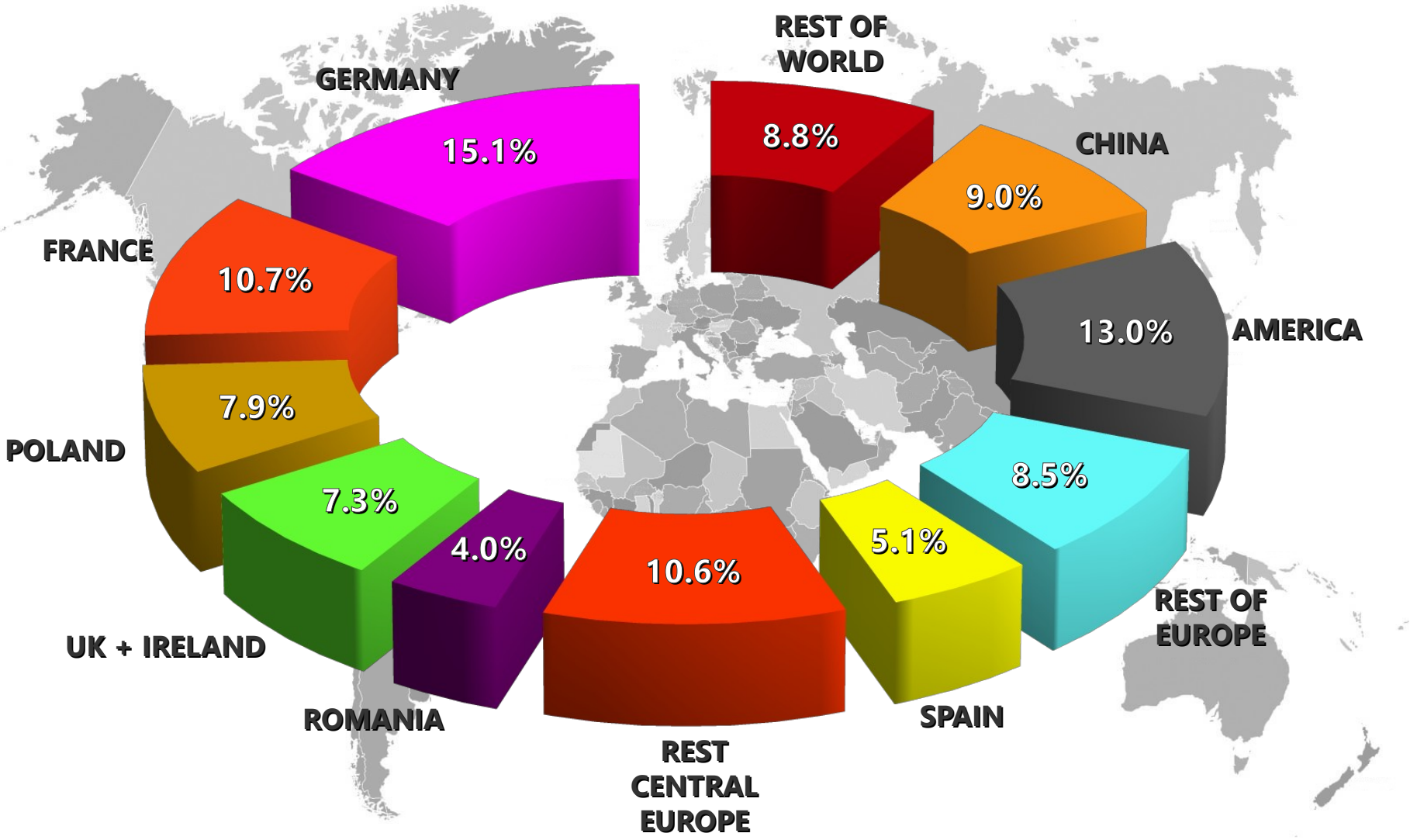
Self-lubricating sintered bushings

Metallic filters and membranes

Product segmentation



Sales by market 2021



Locations in Europe

Locations in America

AMES REESE

Bird-in-Hand, USA
Manufacturing Plant - Logistic Center
Mechanical components - Soft magnetic parts

AMES SINTERING

Bird-in-Hand, USA
Technical & Commercial Office

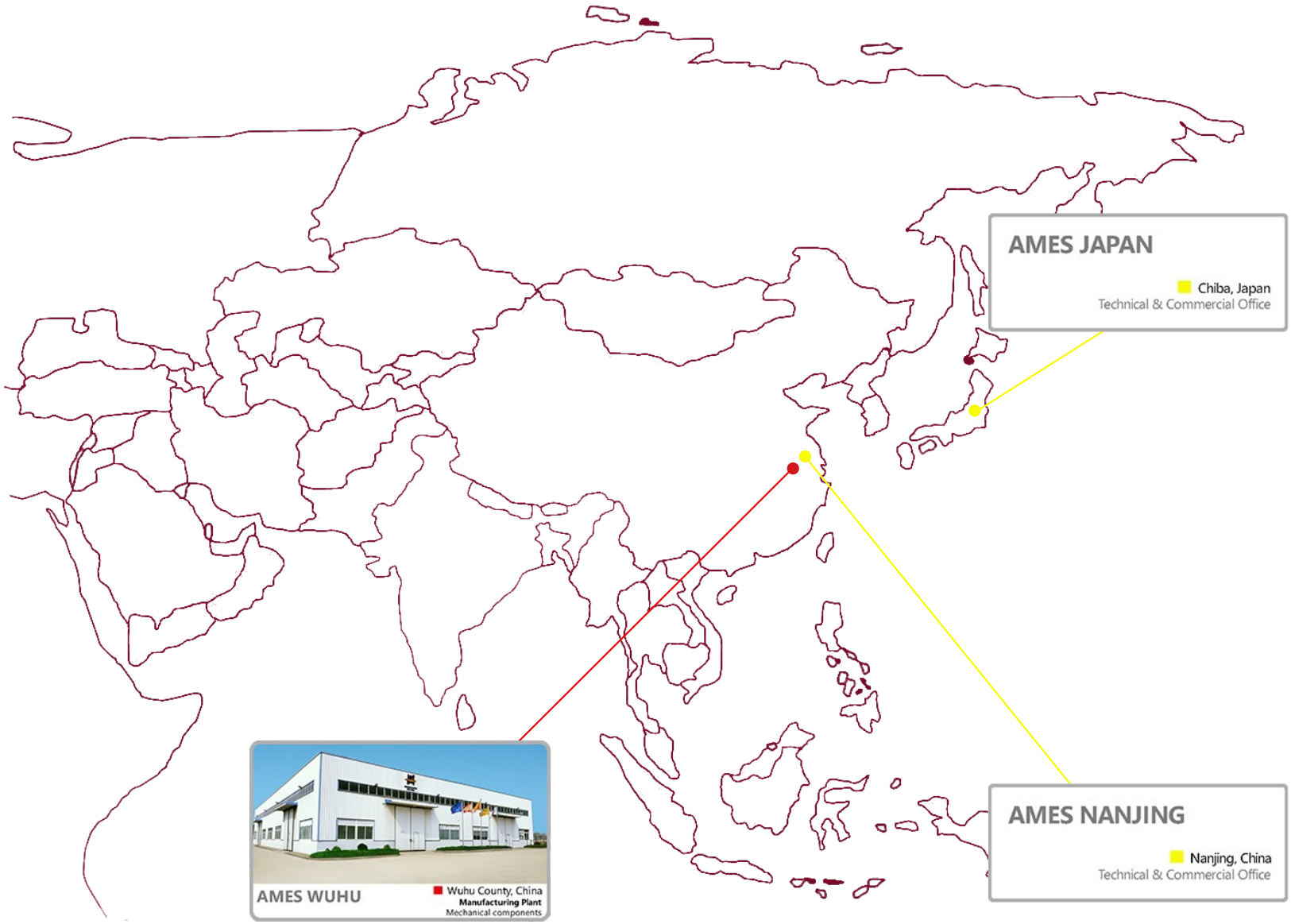
AMES MONTERREY

Santa Catarina, México
Technical & Commercial Office - Logistic Center

AMES BRASIL

São Paulo, Brazil
Technical & Commercial Office

Locations in Asia



Innovation centers

AMES PM TECH CENTER
Solsona, Spain
Bearings and Filters R&D

AMES TOOLING
Sant Feliu de Llobregat, Spain
Tooling manufacturing

AMES CMA
Sant Vicenç dels Horts, Spain
Machinery design & construction

AMES PM TECH CENTER
Sant Vicenç dels Horts
Spain
Main R&D center

Main innovations

AmesDens-A® & AmesDens-C®
High density parts

Simoloy-B®
Low cost efficient steels

Ames-HAP®
Hardness and precision

Ames-SSP®
Premium stainless steel

Ames-LFC®
Low friction coefficient bushings

Ames-U4® & Ames-U5®
Aluminium bushings

AmesPore® XPM
Metallic membranes

OsteoSinter®
Ultraporous biomedical titanium

Non Destructive Testing (NDTs)

Materials and processes

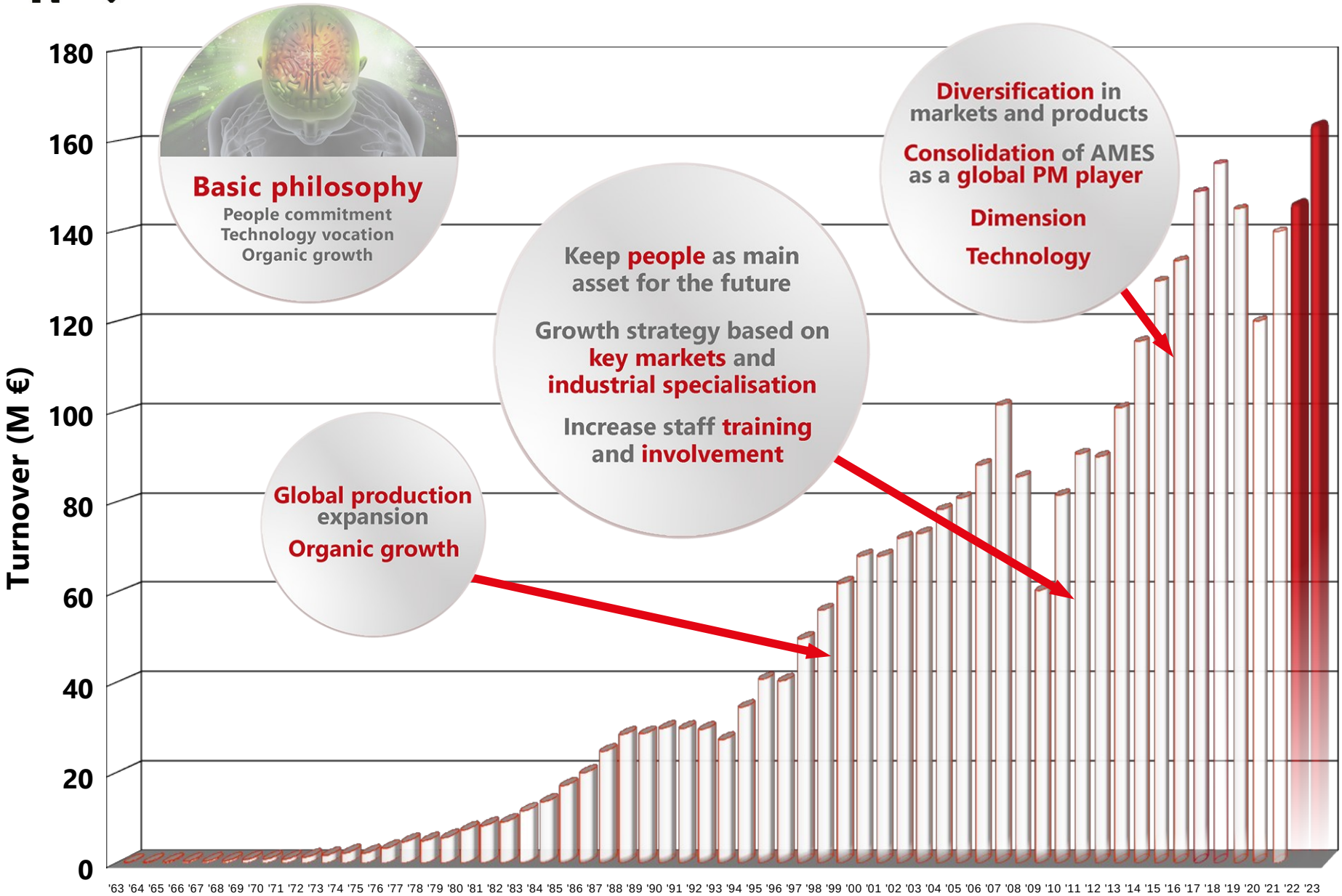
Iron
Steel (low or high alloy)
Stainless steel (3XX, 4XX)
Soft magnetic materials
(Fe-P, Fe-Si, Fe-Ni)
Bronze
Brass
Aluminium
Titanium
Composites materials
Double-layer materials
Resins

Uniaxial compacting
(presses from 4 to 800 MT)
Isostatic compacting
Loose powder
Extrusion
Additive manufacturing
(Binder Jetting - Stereolithography)

Belt
Walking-beam
Batch
Vacuum
(temperature up to 1,350°C)

Sizing
Machining
Oil impregnation
Heat treatments
Porosity sealing
Deburring
Cleaning
Steam treatment
Coatings
Joining
Marking

Evolution and Strategy



Diversification

Filtration

Stainless steel – Bronze
Metallic membranes

Biomedicine

Porous titanium OsteoSinter®
Implants

Additive Manufacturing

Ames-Additive® MBJ
Binder Jetting technology

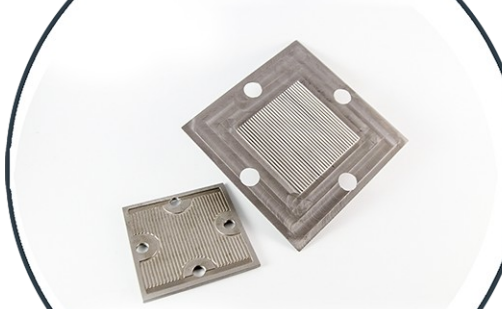
Electrified vehicles

Soft magnetic composites (SMCs)

H_2 economy

Porous stainless steel for H_2 purification
Porous titanium for electrolysers

Fuel cells



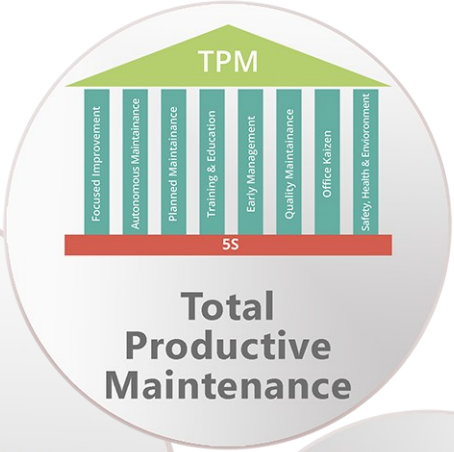
PM interconnectors for SOFC fuel cells
Own design

Staff involvement

Quality Cercles

84

65% of employees



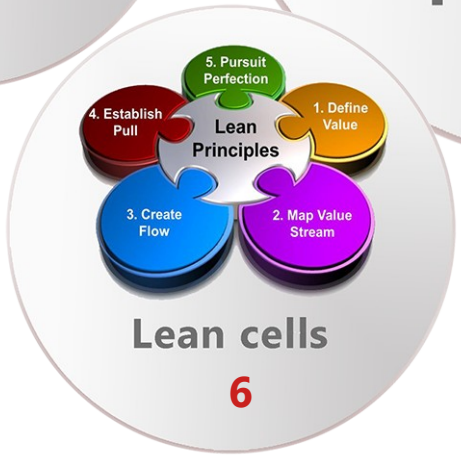
Total Productive Maintenance

Task Force groups

8

PICOS

7



Lean cells

6

Improvement ideas

4.3

per person-year

Free actuation

Staff involvement

Sustainability

AMES

www.ames-sintering.com

Thank you

for your valuable time!!