



Powder
metal
components



www.ames-sintering.com

www.selfoil.com

www.amespore.com

www.ames-medical.net

 **AMES - Sintered metallic components**

 **@AMESgroupSintering**

 **AMES**

 **@AMES.Sintering.grp**



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

Automotive 85.8%

COMFORT & SAFETY 19.2%

EGR/EXHAUST 3.1%

BRAKES 5.0%

**MANAGEMENT OF BATTERIES
AND ELECTRICAL SYSTEMS**
Various growing applications

STEERING 1.5%

STARTERS 3.4%

FUEL PUMPS 7.4%

OIL PUMPS 4.1%

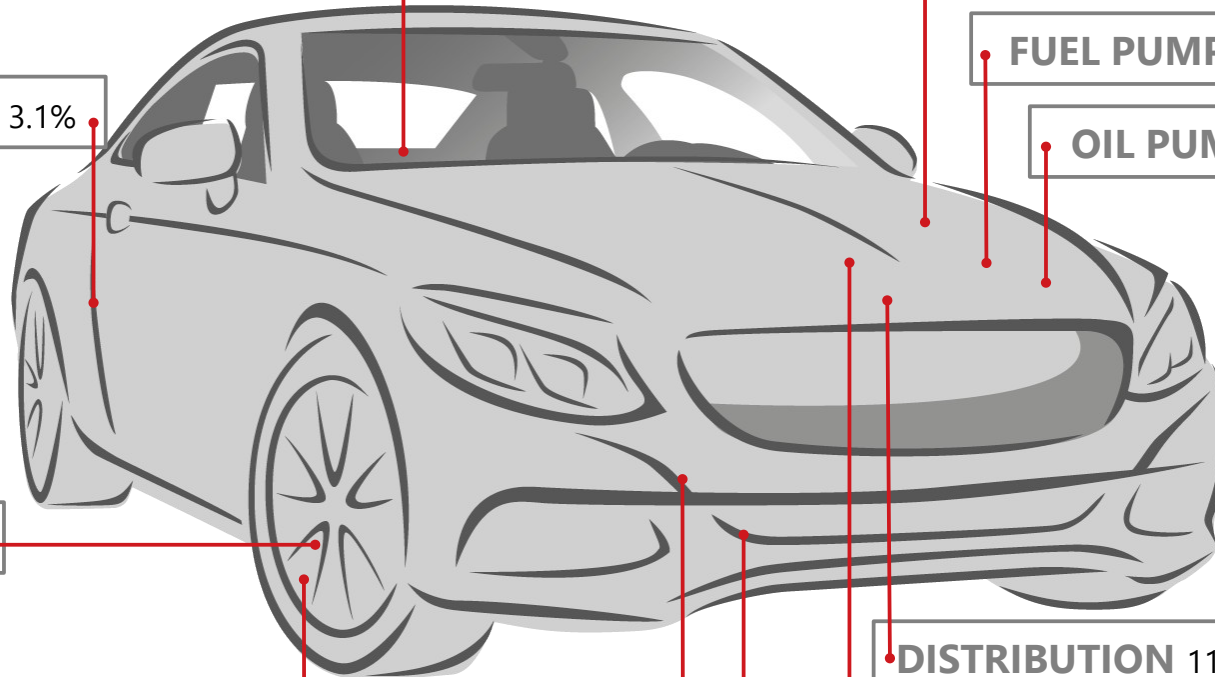
DISTRIBUTION 11.7%

ENGINE 5.8%

TRANSMISSION 13.4%

ACTUATORS 9.5%

REST AUTOMOTIVE 1.7%





Product segmentation

Industrial 14.2%

HOUSEHOLD APPLIANCES

HOME FITTINGS

SPECIAL ELECTRIC MOTORS

INDUSTRIAL VEHICLES

INDUSTRIAL PUMPS

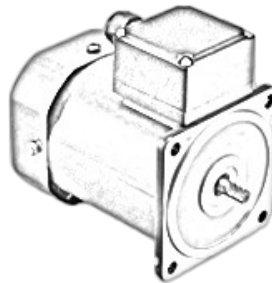
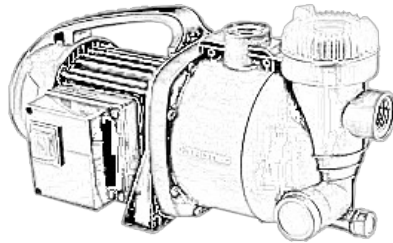
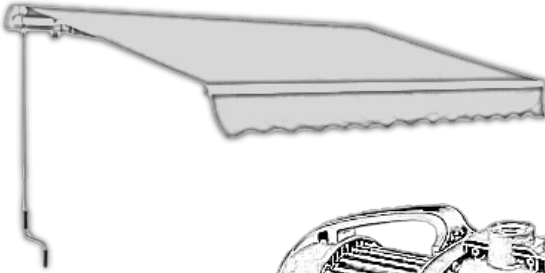
FILTRATION

MEDICAL DEVICES

CONSUMER GOODS

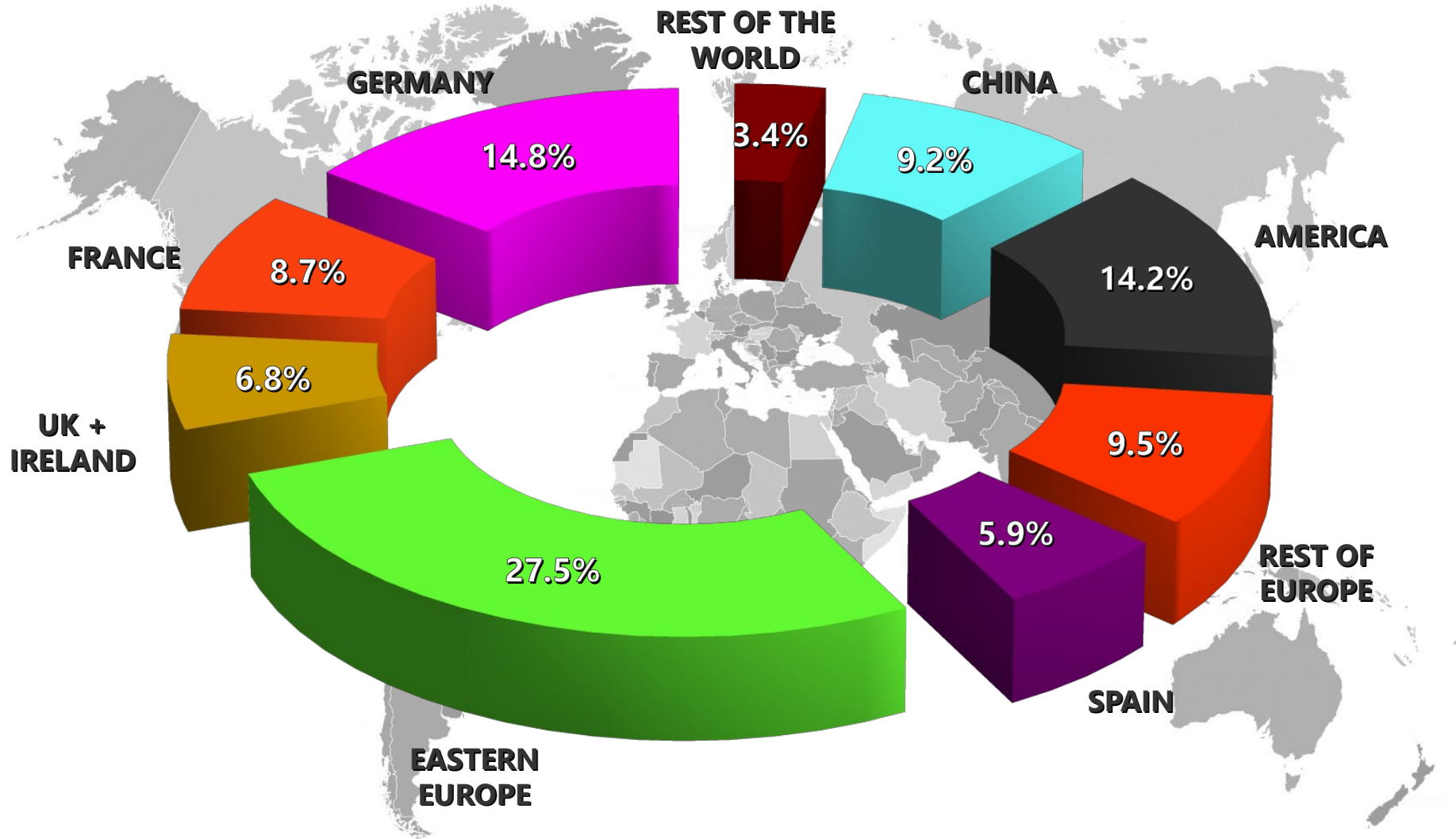
VARIOUS APPLICATIONS

Special machinery
Instrumentation
Automation





Sales by market 2022





Locations in Europe



AMES TAMARITE ■ Tamarite de Litera, Spain
Manufacturing Plant
Mechanical components



AMES BARCELONA ■ Sant Vicenç dels Horts, Spain
Manufacturing Plant
Mechanical components - Soft magnetics parts



AMES MONTBLANC ■ Montblanc, Spain
Manufacturing Plant
Mechanical components - Soft magnetic parts



AMES GROUP ■ Sant Feliu de Llobregat, Spain
Headquarters
Sales & administration - Logistic Center



AMES MEDICAL ■ Sant Vicenç dels Horts, Spain
Manufacturing Plant
Medical devices

AMES SWITZERLAND

■ Bubikon, Switzerland
Technical & Commercial Office



AMES HUNGARIA ■ Szentgotthárd, Hungary
Manufacturing Plant - Logistic Center
Hydraulic sintered components

AMES ITALIA

■ Città de Castello, Italy
Technical & Commercial Office



AMES-PORE ■ Solsona, Spain
Manufacturing Plant
Metallic filters



AMES SOLSONA ■ Solsona, Spain
Manufacturing Plant
Self-lubricating bearings



Locations in America



AMES MONTERREY

■ Santa Catarina, México
Technical & Commercial Office - Logistic Center



AMES SINTERING

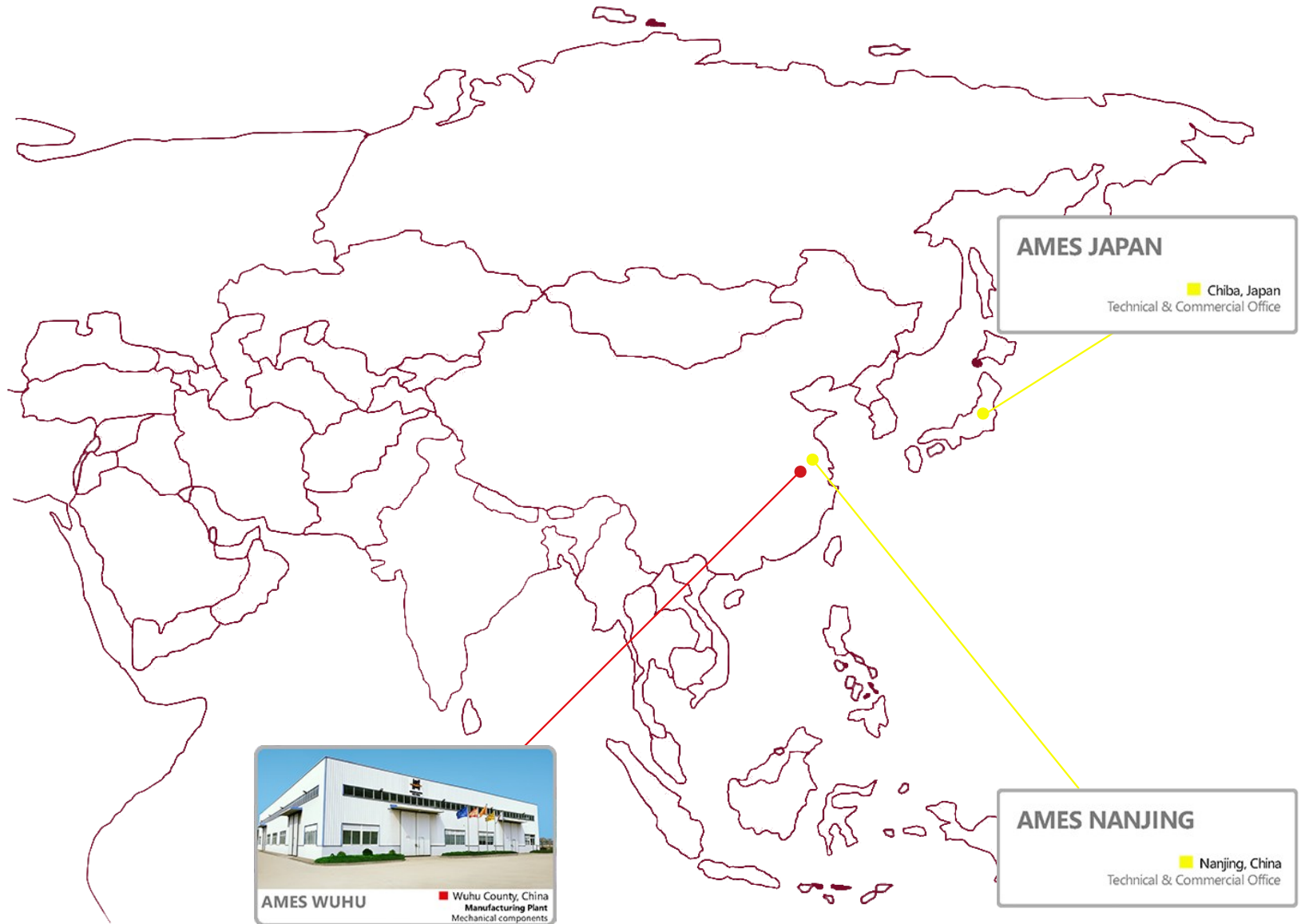
■ Bird-in-Hand, USA
Technical & Commercial Office

AMES BRASIL

■ São Paulo, Brazil
Technical & Commercial Office



Locations in Asia





Innovation centers





Main innovations



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



Simoloy-B®
Low cost efficient steels



Ames SSP®
Premium stainless steel



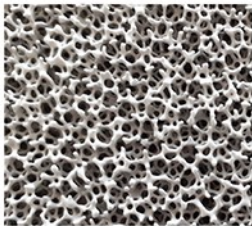
Ames-LFC® i Ames-LFB®
Low friction coefficient bushings



Ames-U4® & Ames-U5®
Aluminium bushings



AmesPore® XPM
Metallic membranes



Metallic foams

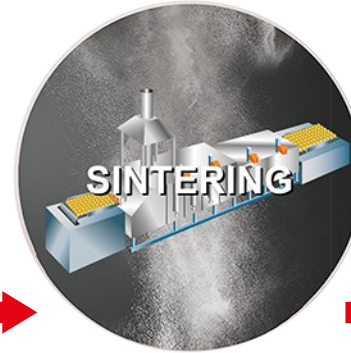
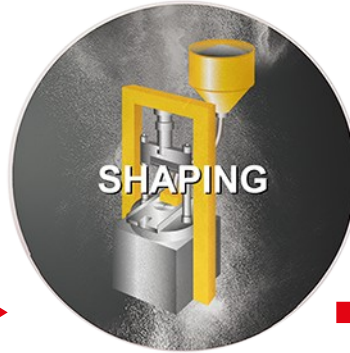


OsteoSinter®
Ultraporous biomedical titanium



Non Destructive Testing (NDTs)

Materials and processes



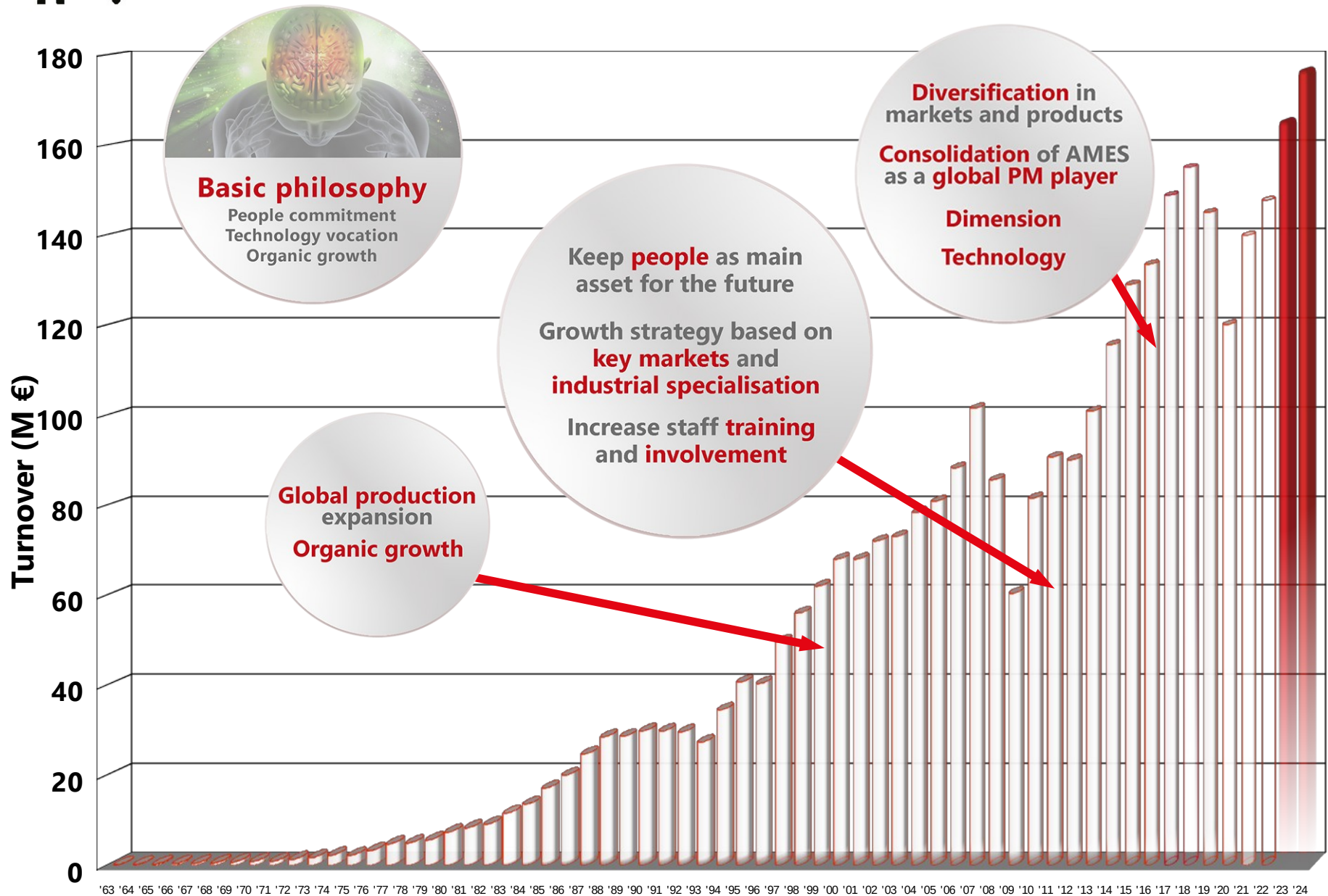
Iron
Steel (low or high alloy)
Stainless steel (3XX, 4XX)
Refractory steels
Soft magnetic materials
 (Fe-P, Fe-Si, Fe-Ni)
Bronze
Brass
Aluminium
Titanium
Nickel
Composites materials
Double-layer materials
Resins

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

Belt
Walking-beam
Batch
Vacuum
 (temperature up to 1,400°C)

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

Evolution and Strategy



Filtration



Stainless steel – Bronze
Metallic membranes

Biomedical



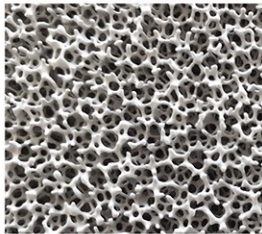
Porous titanium OsteoSinter®
Implants

Additive Manufacturing



Ames-Additive® MJB
Binder Jetting technology

Metallic foams



Refractory steel

H₂ economy

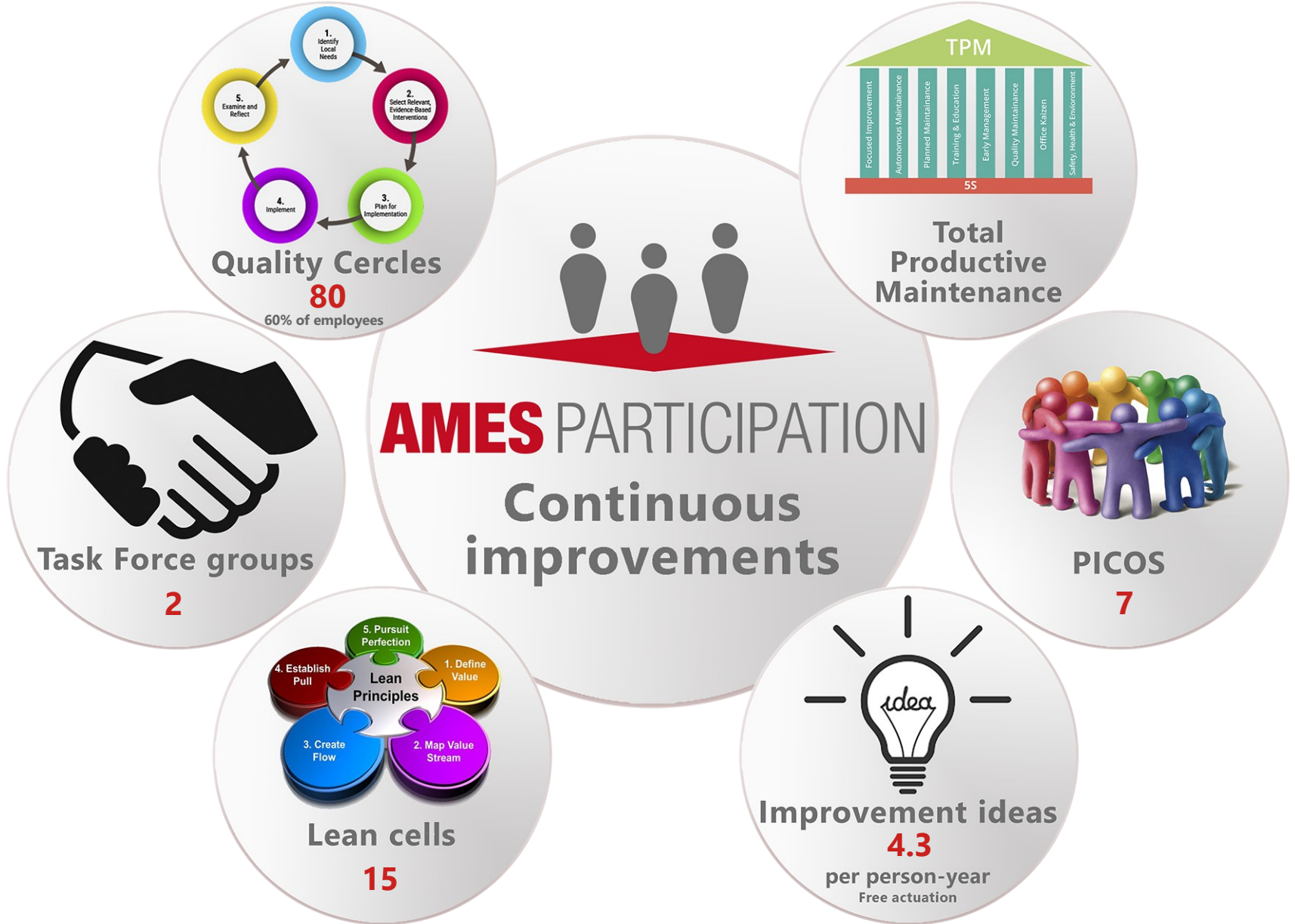


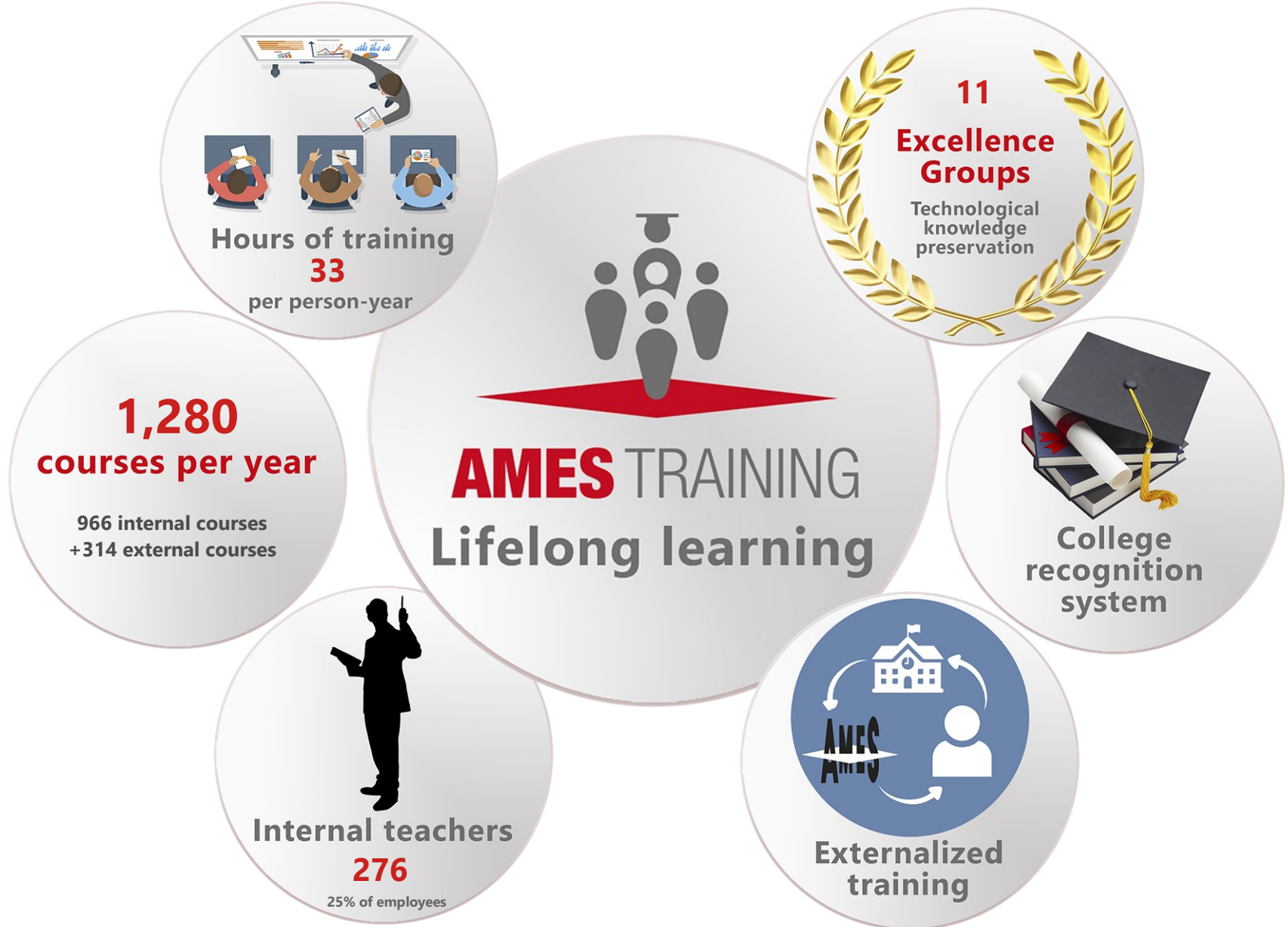
Porous stainless steel
for H₂ purification
Porous titanium for
electrolysers

Fuel cells



PM interconnectors for
SOFC fuel cells
Own design









www.ames-sintering.com



Thank you
for your valuable time!!