

General Assembly
May 15, 2025
Brussels
10am – 3pm

Anti-Trust

- All EPMA events are rules according to [EPMA Anti-trust guidelines](#)
- **Antitrust : Competition Law Checklist for meetings**
- Under EU Competition Law you can't, in fact or appearance, discuss or exchange information not in conformity with EU Competition law, including on:

PRICE

- Prices, price changes, price differentials, discounts, allowances, credit terms, etc.
- Individual company elements that make up pricing on costs, production, inventories, sales, etc.
- Rate or rate policies for individual shipments, including basing point systems, zone prices, freight, etc.
- Other commercially sensitive terms and conditions

PRODUCTION

- Plans of individual member companies, concerning the design, production, distribution or marketing of particular products, including proposed territories or customers,
- Changes in detail of production capacity or inventories, etc.

MARKET PROCEDURES

- Company bids on contracts for particular products, company procedures for responding to bid invitations
- Matters relating to actual or potential individual suppliers or customers that might have the effect of excluding them from any market or influencing the business conduct of firms toward them, etc.
- Blacklist or boycott customers or suppliers

Agenda

- Opening
- President Address
- Report from Executive director
- Votes on budget & activities
- Election Council 2025-2028
- Congress 2024-25-26
- Exhibition & Sponsorship
- Communication & Marketing
- EU projects
- Lunch
- Sectoral groups reports
- Statistics
- Break
- Workshop on EPMA 203X RoadMap (Chairs only)

Welcome

Ralf Carlström

EPMA president address

Ralf Carlström

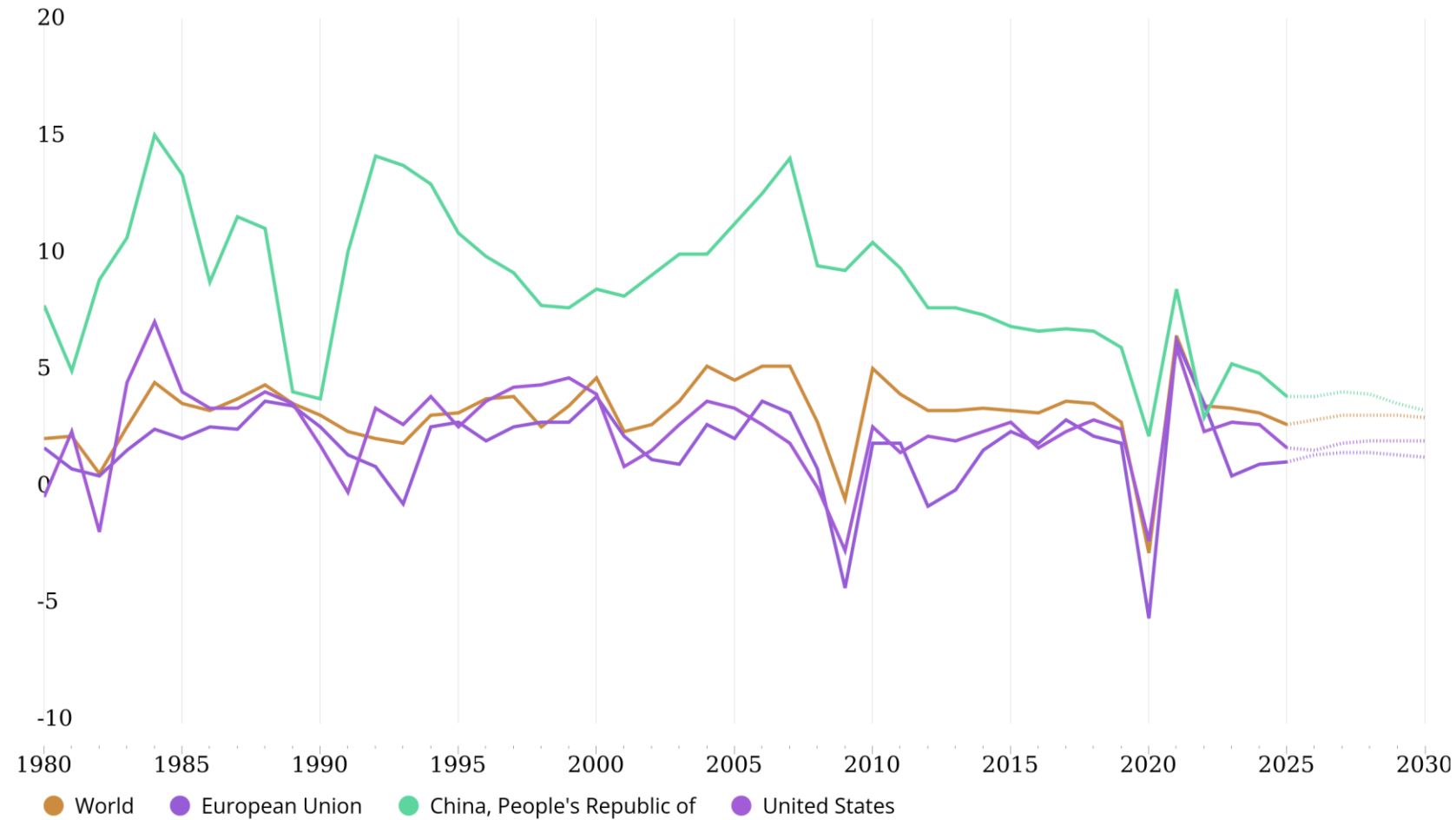
Overview of the Status and Trends in
the European PM industry



GDP (Constant prices, Percent Change)

IMF DataMapper

Real GDP growth (Annual percent change)



	2024 % change	2025 % change
World	3.3	2.8
USA	2.8	1.8
EU	1.1	1.2
China	5.0	4.0

©IMF, 2025, Source: World Economic Outlook (April 2025)

EU metal powder production: member's only

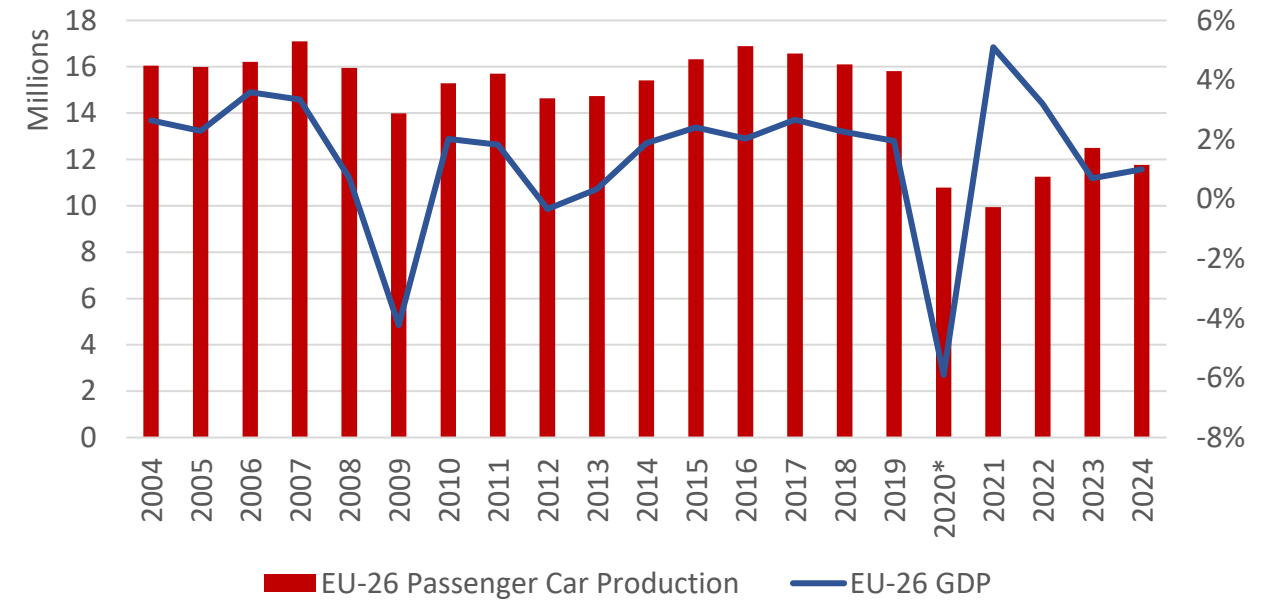
Data from
Powder
Producers stats

PM parts tonnage by sector, 2024

Member's only

Data from
Part Makers
stats

EU-26 Passenger Car Production Vs GDP



From EPMA's surveys for P&S Statistics among part manufacturers



AMES Group



PMG Holding GmbH

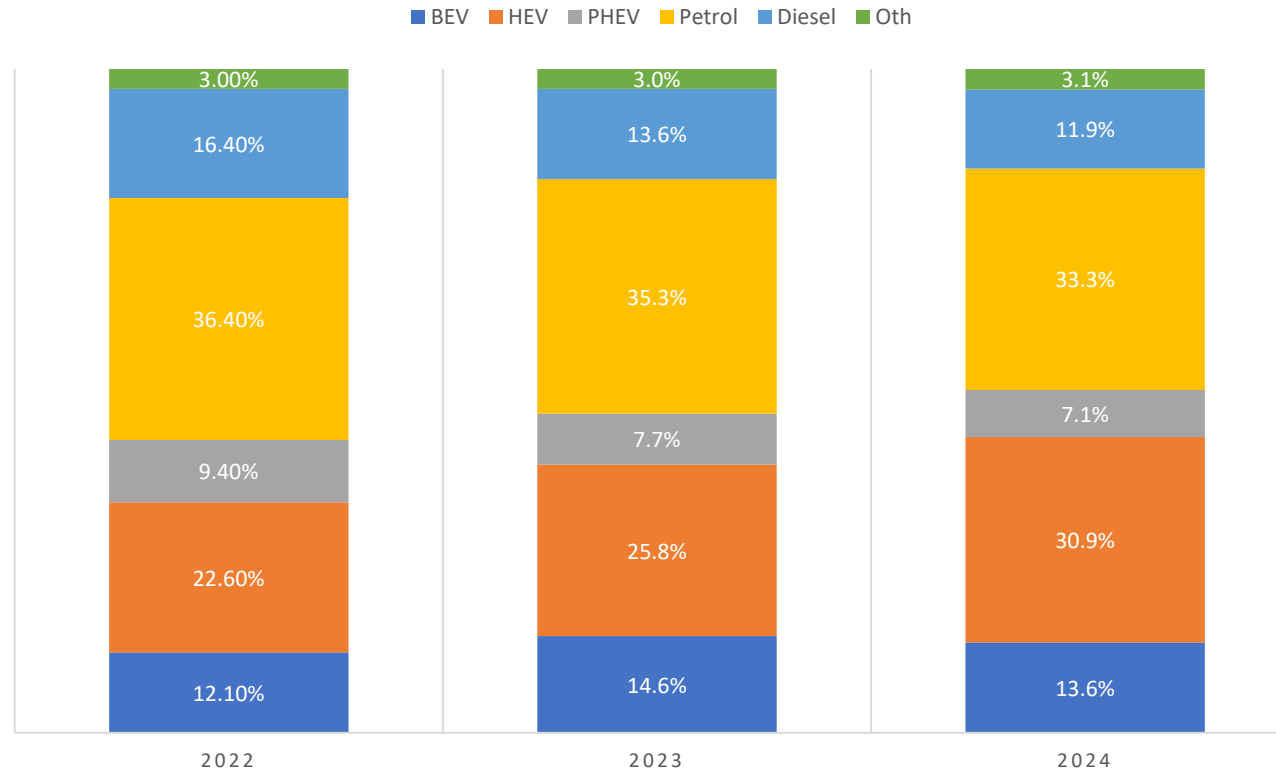


Schunk Sintermetalltechnik GmbH



GKN Sinter Metals

PASSENGER CAR REGISTRATION BY TYPE 2022-2024



- BEV+PHEV+HEV 51,6% 2024 vs 48,2% in 2023
- BEV share decreased to 13,6% of total registration from 14,6% in 2023
- Diesel share drop to 11,9% of total registration from 13,6% in 2023
- Petrol share drop to 33,3% of total registration from 35,3% in 2022

BEV: Battery Electric Vehicle
PHEV: Plug-in Hybrid Electric Vehicle
HEV: Hybrid Electric Vehicle

Source: www.acea.auto

Hard Materials sector:

- Recycling: RESQTOOL project



Courtesy Sandvik Mining



Courtesy Hilti

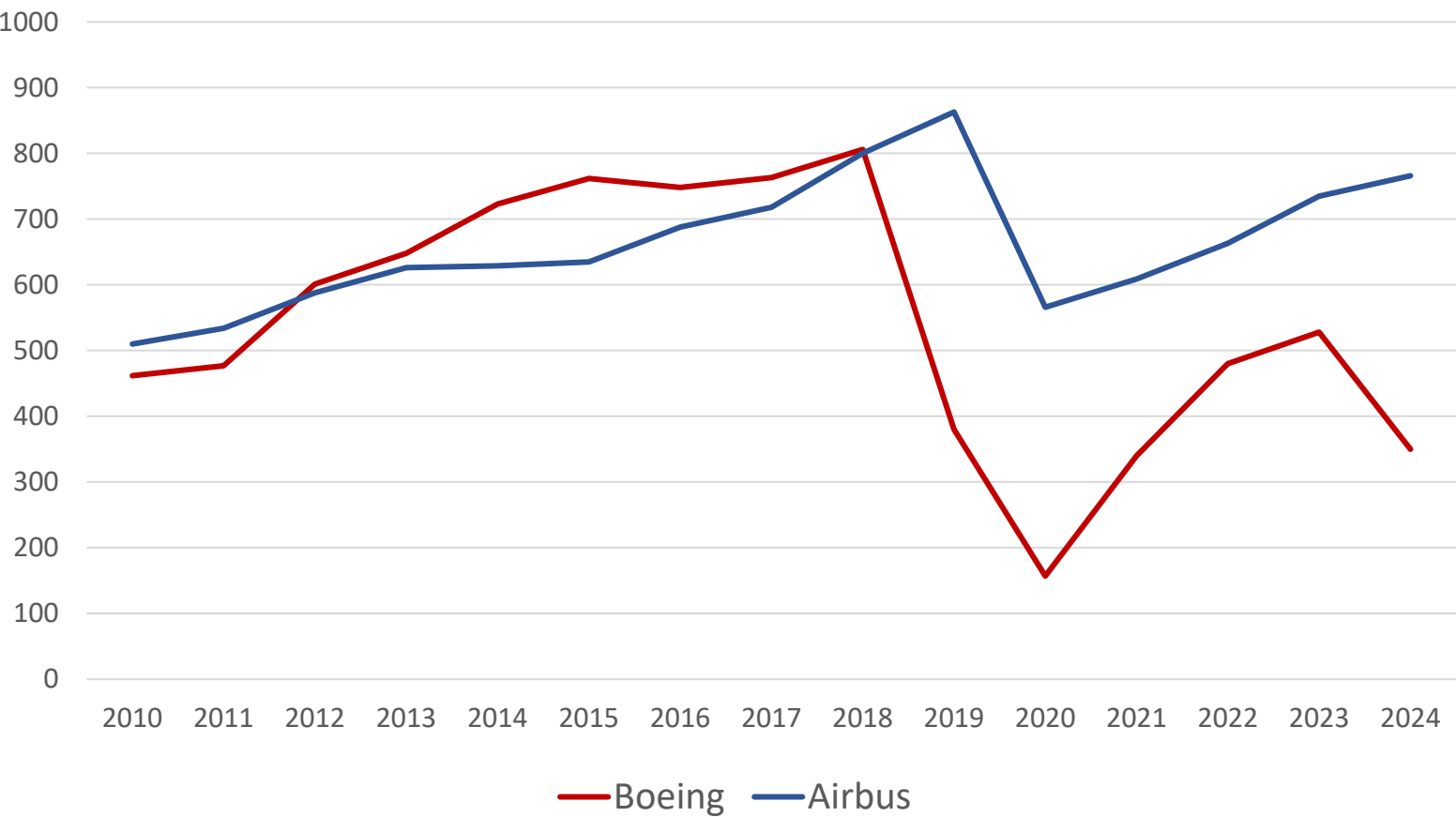


Courtesy Sandvik Coromant

Courtesy Kennametal



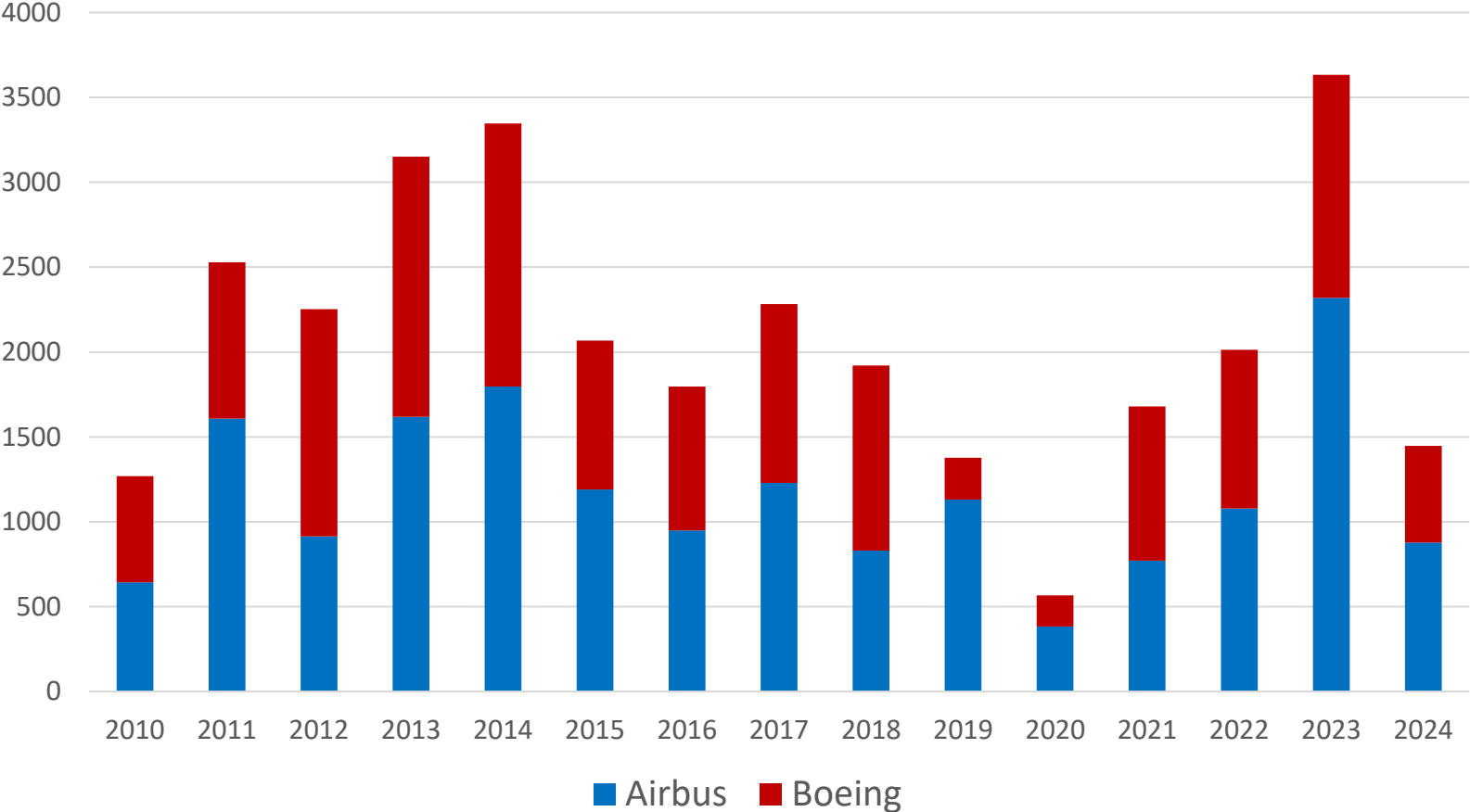
Commercial Aircraft Deliveries in 2024



Year	Boeing	Airbus
2024	350	766
2023	528	735
2022	480	661
2021	340	611
2020	157	563
2019	380	863
2018	806	800
2017	763	718
2016	748	688
2015	762	635
2014	723	629
2013	648	626
2012	601	588
2011	477	534
2010	462	510

Source: boeing.com, airbus.com

Commercial Aircraft Orders in 2024



Year	Airbus	Boeing
2024	878	569
2023	2319	1314
2022	1078	935
2021	771	909
2020	383	184
2019	1131	246
2018	831	1090
2017	1229	1053
2016	949	848
2015	1190	878
2014	1796	1550
2013	1619	1531
2012	914	1339
2011	1608	921
2010	644	625

Source: boeing.com, airbus.com

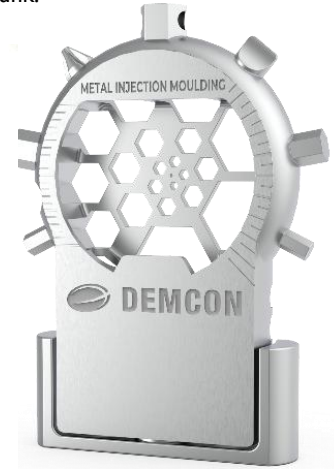
Metal Injection Moulding



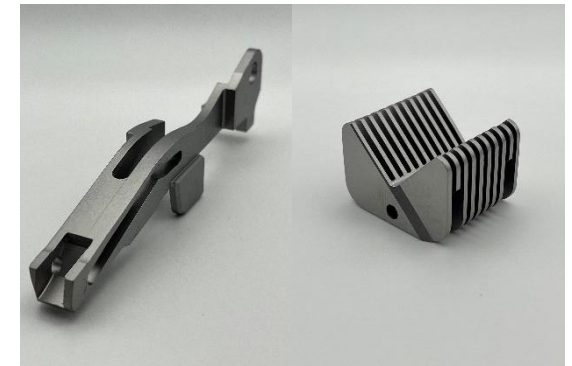
Courtesy Schunk.



Courtesy Parmaco



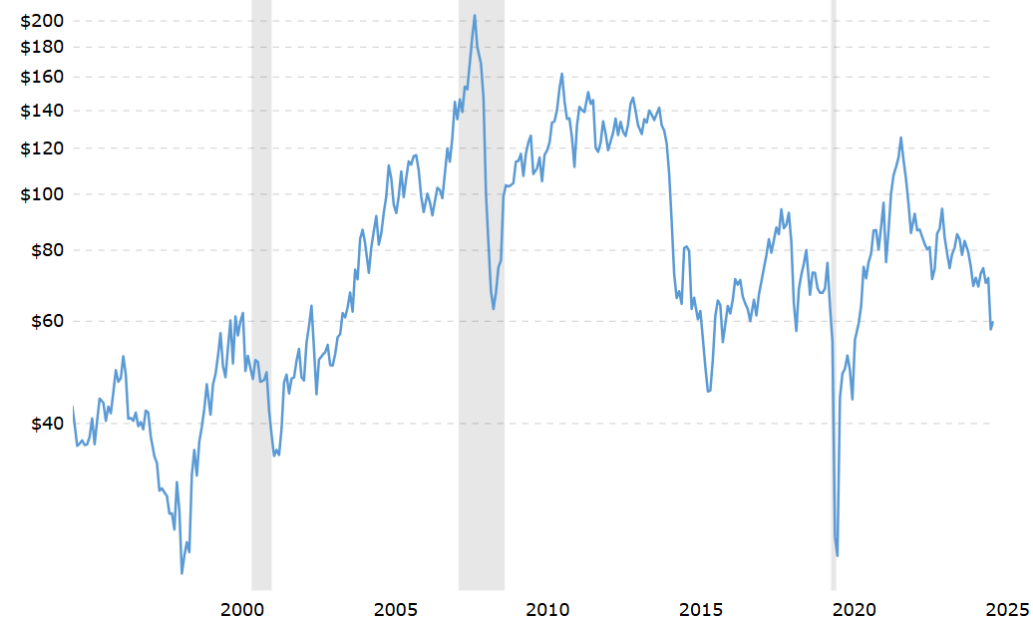
Courtesy DEMCON



Courtesy ECRIMESA

HIP

Crude Oil Prices per Barrel



*EuroHIP trend survey 2025, weighted data



Courtesy Metso

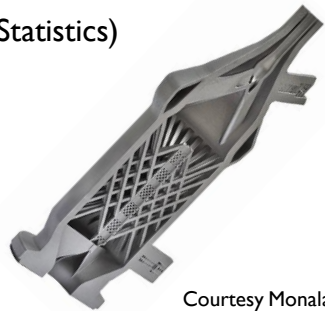


Courtesy Rolls Royce

Additive Manufacturing

(Source: AMPOWER)

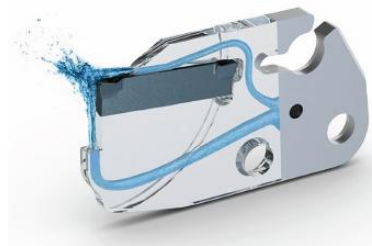
(Source: EPMA Statistics)



Courtesy Monalab &
SLM Solutions



Courtesy Bego Medical



Courtesy Rosswag GmbH



WELCOME TO

EURO PM2025

CONGRESS & EXHIBITION

GLASGOW

14-17 September 2025

EPMA report

Lionel Aboussouan

EPMA team



Lionel Aboussouan
Executive Director



Kenan Boz
Technical Manager
AM, HM, HIP, EU projects



Andy Cormack
Manager Membership,
exhibition, sponsorship



Sabine Hazoumé
Congress Manager



Maurine Lavigne
Congress assistant



Jackie Peters (60%)
Accountant



Romain Rayez
Manager
Marketing & Communication



Bruno Vicenzi
Technical Manager
MIM, P&S, FM, EPMI, EU Projects



Hamid Yousefi
Technical Assistant

EPMA Missions

- Promote and Develop PM Technology in Europe
- Represent the European PM Industry within Europe and Internationally
- Develop the Future of PM

Membership Levels of the EPMA

Full Member

European PM companies are welcome to join the EPMA as Full Members. Companies must be actively involved in one or more areas of powder metallurgy as listed in the EPMA Bylaws*. Only Full Members have voting rights.

Annual Membership 5258€*

Full Member: Small Company Discount

Companies eligible for Full Membership, who have annual PM related sales of more than €3 million but less than €10 million, are entitled to a 40% reduction on Full Membership Fee.

Annual Membership 3219€*

Full Member: Micro and Start-up Company Discount

Companies eligible for Full Membership who have annual PM related sales of up to €3 million are entitled to a 60% reduction on Full Membership Fee.

Annual Membership 2104€*

Affiliate Member

Membership in this category is open to manufacturing subsidiaries of Full Member holding companies in the same sector. This category also applies to PM Consultants who wish to be listed as a consultant within the EPMA Directory of Members. Affiliate Members do not have any voting rights, but otherwise enjoy all other benefits of Full Membership.

Annual Membership 1365€*

Associate Member

Open to the following organisations:

European companies with an interest in PM, but not active in manufacturing metal powders, components or production equipment

Non-European companies active in the manufacture or metal powders, PM products and production equipment

Research establishments, scientific institutions or societies

Annual Membership 2629€*

Individual Member

'Individual Membership' (without voting rights) is open to persons with clear professional interests in the objectives of the Association.

Applications from individuals employed by organisations which are eligible for 'Full', 'Affiliate' or 'Associate' membership cannot be accepted as 'Individual' members unless their organisation is already a member in one of the above categories.

Individual Members' companies do not receive online promotion.

Annual Membership
€270

Student Member (Junior)

'Junior Membership' is open to persons under 30 years of age under the same conditions as those for 'Individual Members',

Annual Membership
100€

Pan European fees

European full members with one Full Member and several Affiliates

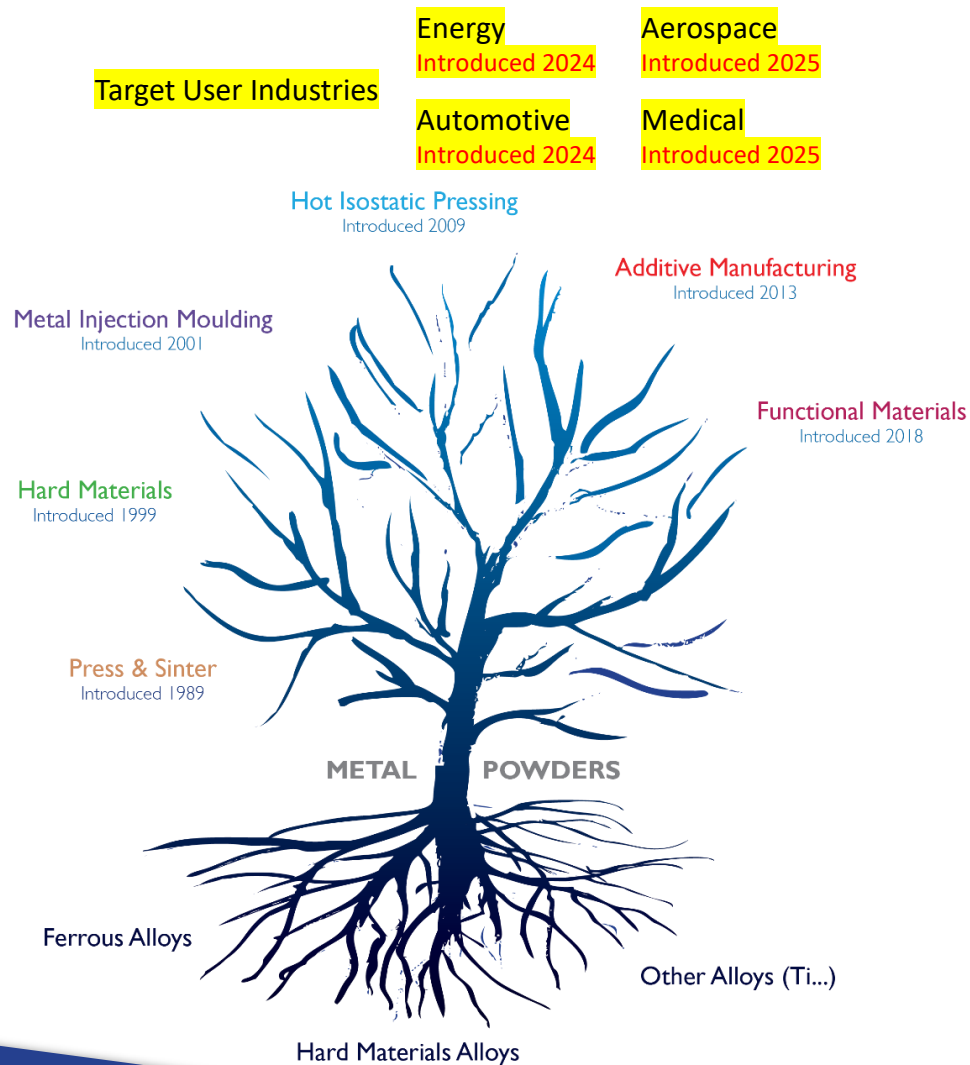
Pay two Full Memberships instead of one membership and several affiliates

Membership is per calendar year with no pro-rata for companies joining during the year: 1/1/2025 up to 31/12/2025

Memberships paid from November are valid for the following year

* Fees from 1/2/2025 until 31/12/2025, fees are updated at year end for the following year

History of the PM 'Growing Tree' as covered by the EPMA



➡ New Needs (Projects, Networking etc...)

➡ New Processes



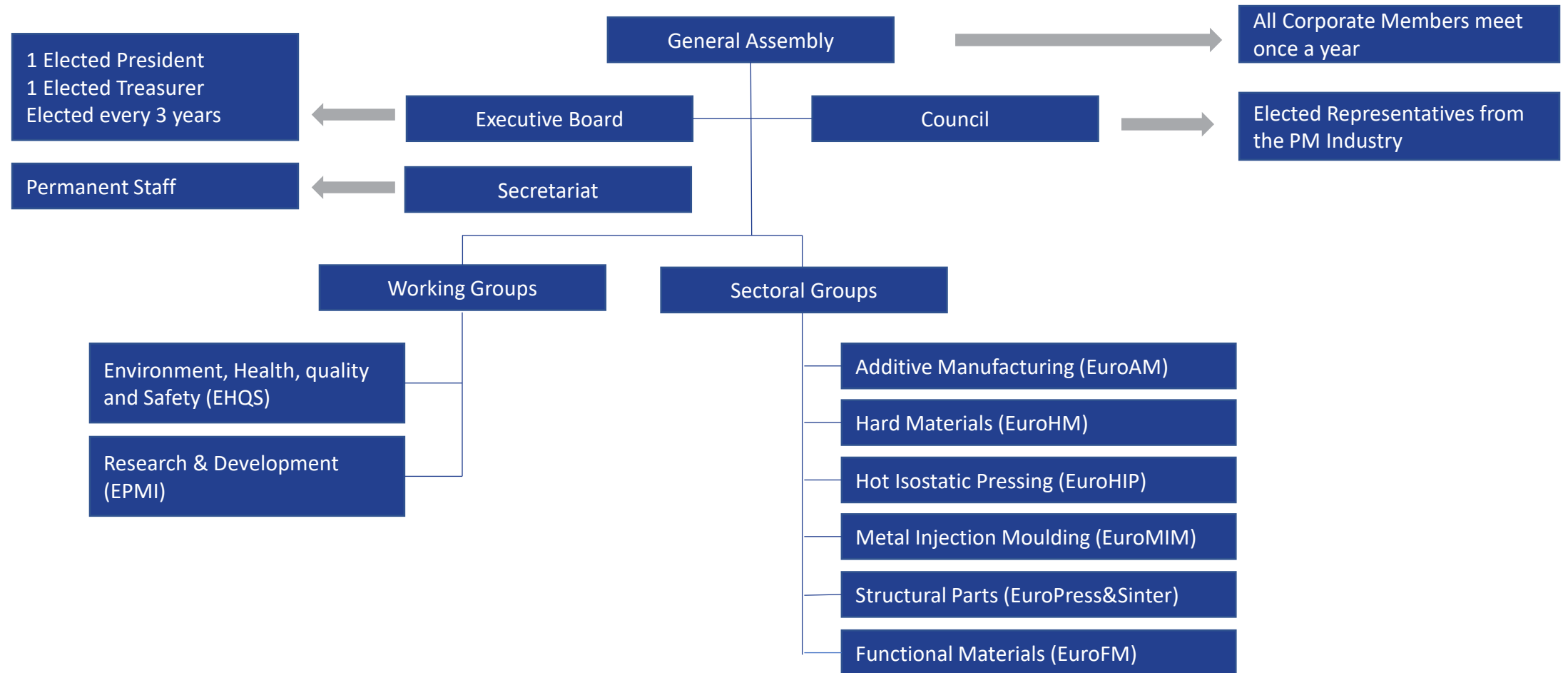
New Sectors



➡ New Materials

www.epma.com/powder-metallurgy-process

Organisation Chart of the EPMA



Developing the Powder Metallurgy Future

Events

Congress & Exhibition
Seminars
Webinars

Technical Activities

Meetings
Statistical Surveys
Benchmarking Surveys
Trend surveys
International Standards

Education and Training

Summer School
Workshops
Young Engineers Day
MOOC

Publications

Brochures
Flyers
Yearly Statistical Book

Synergies

Industry funded R&D programs
EU programs
PM Global Database

Sectoral groups

Euro Press&Sinter
Euro MIM
Euro HIP
Euro AM
Euro HM
Euro FM



Working Groups

EPMI (Academic Network)
Environment, Health, Quality and Safety (EHQS)



Synergies Activities: EPMA Club Projects

Industry-defined Projects open to EPMA Members and Co-ordinated by the EPMA

Budget: Between €10k and €120k

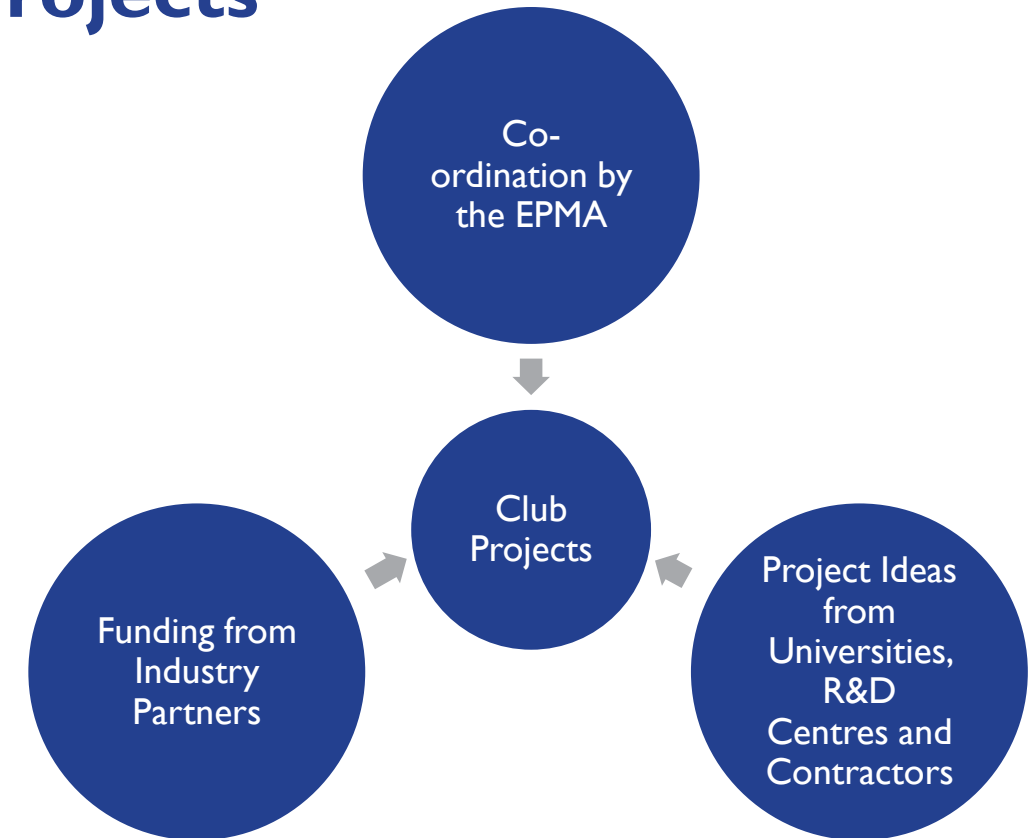
Time frame: Between 6 and 18 months

32 Projects so far: www.epma.com/projects

3M€ funding raised in total up to now



UFTH3 Club Project Final Meeting, Vienna, July 2019



www.epma.com/projects

Synergies Activities: EU Funded Projects

Dissemination / Exploitation support:

- DIRA-GREEN (2011 – 2015)
- EFFIPRO (2013 – 2017)
- AM-Motion (2016 – 2018)
- Supreme (2017 – 2020)
- SAM (2019 – 2023)
- ADDress (2022 – 2024)
- **START (2022 – 2026)**
- **RESQTOOL (2023 – 2027)**
- **REPTiS (2024 - 2028)**

Support/Participation in Members' Proposals

- Horizon 2020 / Horizon Europe
- Marie Curie Initial Training Network
- Erasmus +
- Knowledge Innovation Community (KIC)

What can EPMA do within an EU project ?

- Project management
- Dissemination of results
- Specific Event organisation (Seminar, training ...)
- Specific Data Collection (surveys ...)
- Design Website and provide content
- Design logo
- Design Newsletter and provide content



Dira-Green Prototype



EFFIPRO Consortium



SAM Consortium

www.epma.com/projects

EPMA Network outside PM

The Activities cover the **Environmental Health & Safety**, the **Energy and Climate Change** and the **Research and Development** areas at a European level.

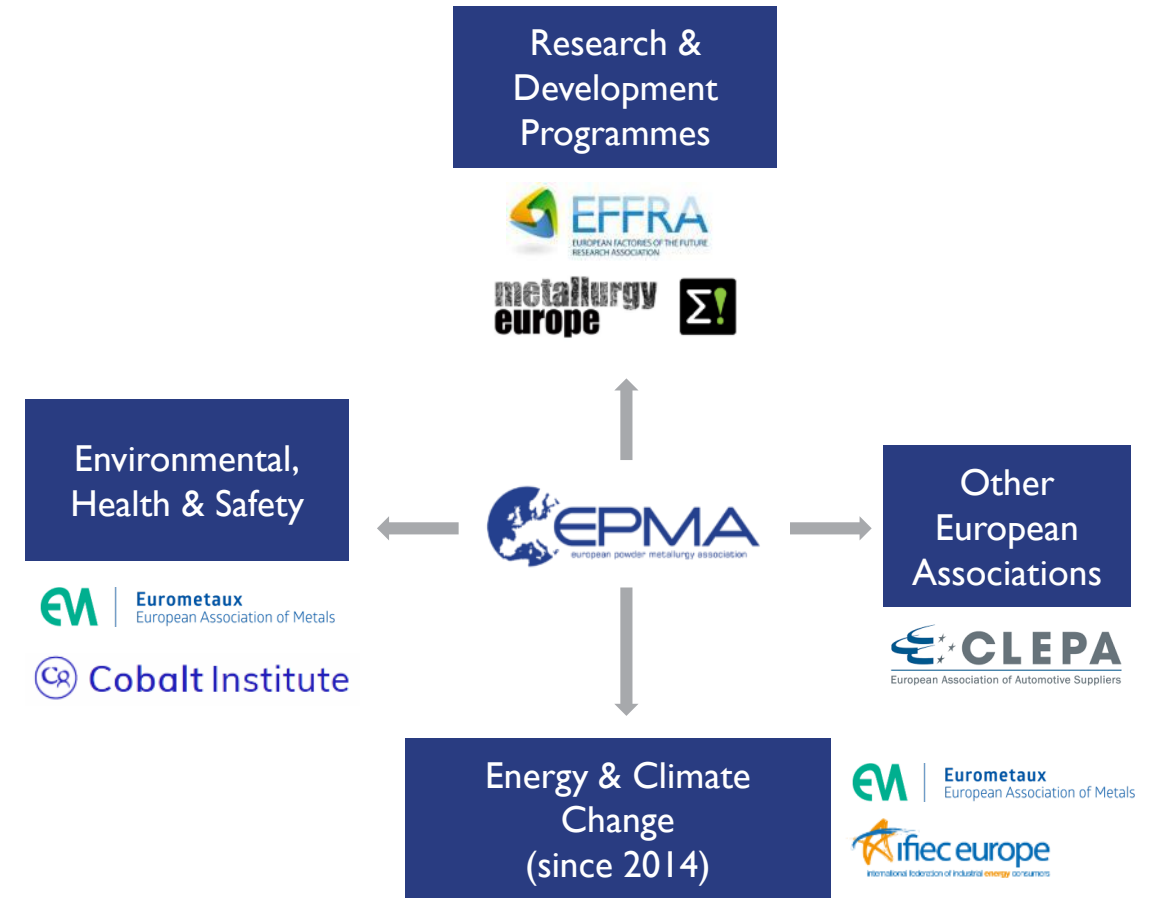
The EPMA activities intend to fulfil the key mission(s) of the EPMA that are to Represent, Promote, Develop (and sometime Defend) the European PM Industry outside the PM community

Therefore, we have joined other Associations to rely on their Expertise and Network

EPMA "Vision 2025 Future Developments for the European PM Industry" Roadmap: Useful tool for external communication

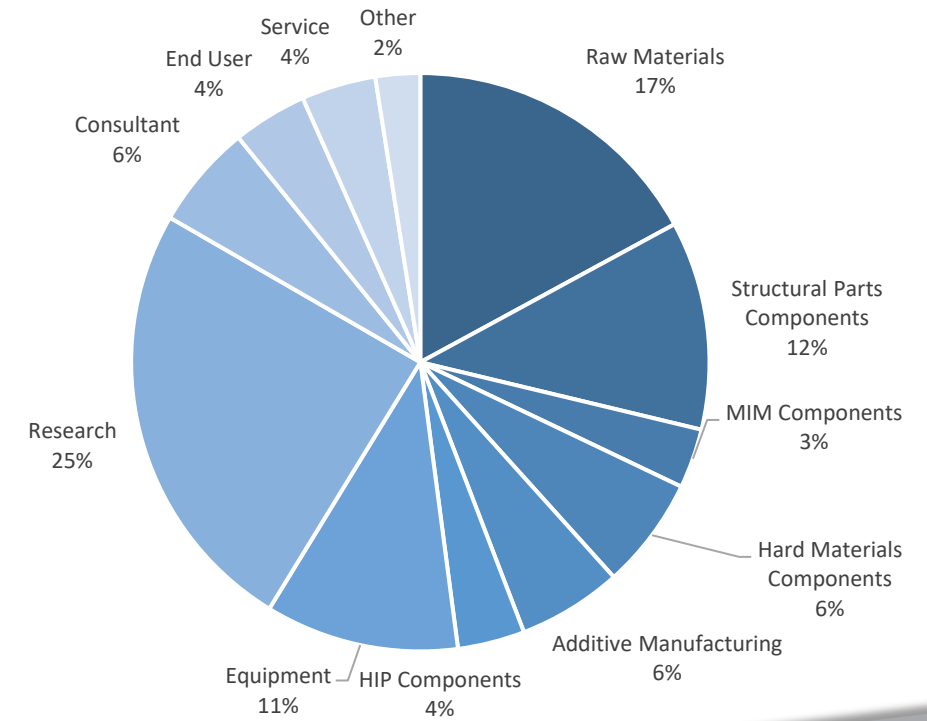
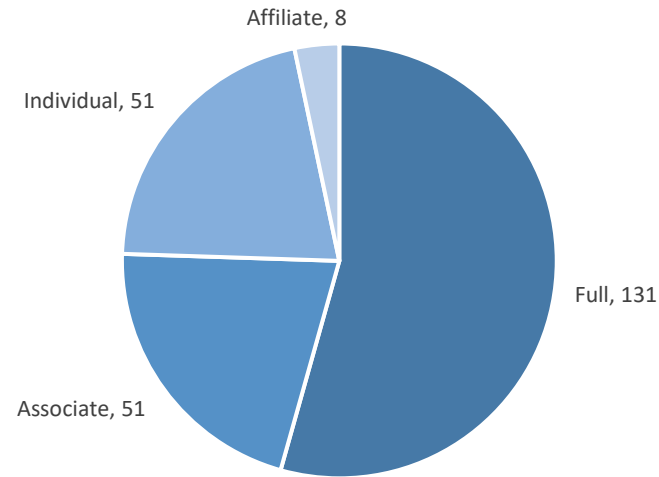
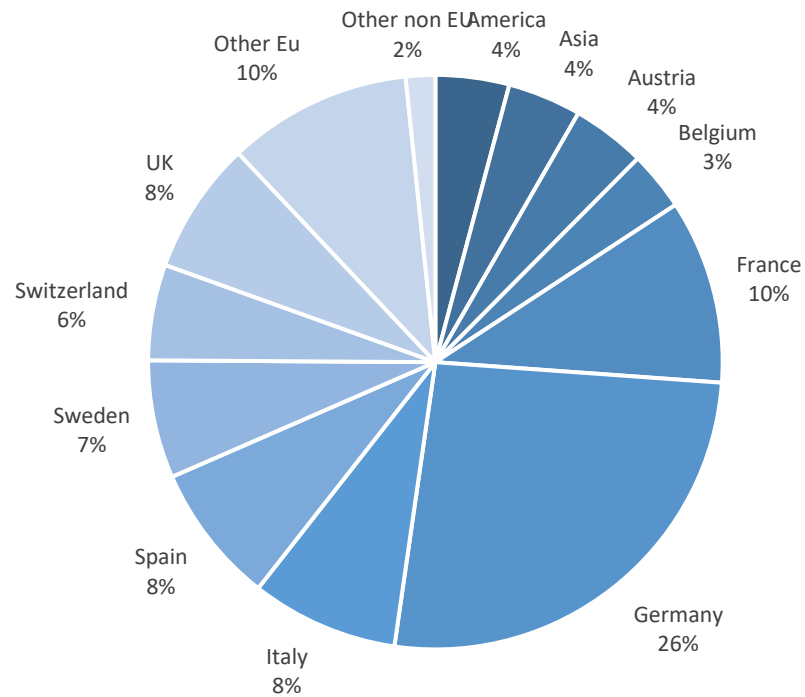
Developing new Standards:

The EPMA liaises between the ISO committee and the PM community



www.epma.com

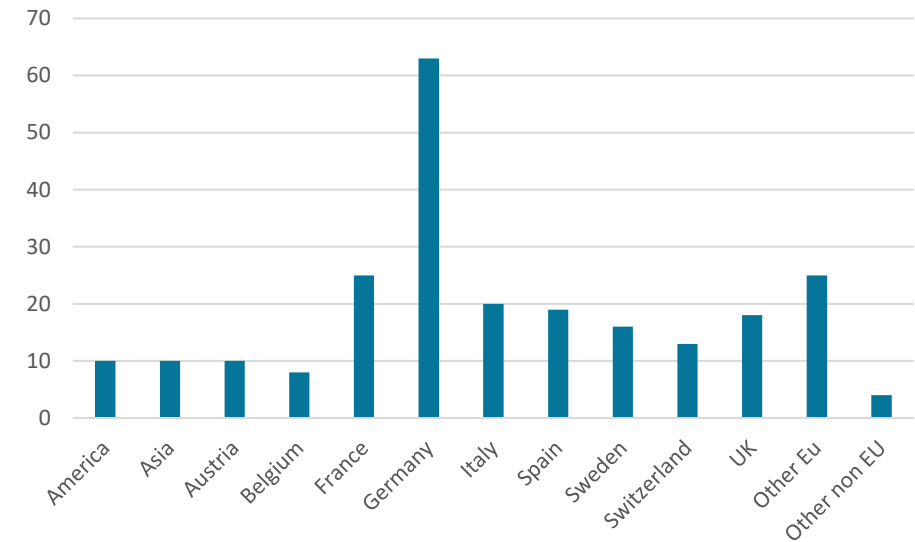
Membership 2024



Membership 2024

19 new members

- 11 Full (5 large, 6 micro)
- 6 Associate
- 2 Individual



2024 events

- Energy Seminar Use of Powder Metallurgy Technologies in Nuclear Energy
- Webinar – Powder Metallurgy in the Green Transition
- Additive Manufacturing Seminar – Innovations in AM Materials
- Additive Manufacturing Webinar
- Summer School
- EuroPM Congress & Exhibition
- CTI Symposium – PM in automotive applications
- WinterEv – Thematic approach to Hard Material evaluation



www.epma.com/seminars



Upcoming EPMA Events in 2025

- **Training webinar “PM in the Green Transition”**
- **General Assembly**
- **Seminar: Use of Powder Metallurgy Technologies in Aerospace**
Dates: May 20-21, 2025
Location: Sandviken, Sweden
- **AM for Mobility: round table at 3D Print**
Dates: June 3-5, 2025
Location: Lyon, France
- **EPMA Summer School**
Dates: June 22-27, 2025
Location: Lund, Sweden
- **Euro PM2025 Congress & Exhibition**
Dates: September 14-17, 2025
Location: Glasgow, Scotland, United Kingdom
- **Seminar on medical**
Dates: October 14-15, 2025
Location: Saint Etienne, France



Next activities / developments

- Applications groups
 - Start a group on Defense Industry
 - Start a group on ISO standards
- Events
 - Only 2 EPMA seminars per year : Automotive, Energy, Aerospace, Medical
 - Webinars on EU projects
 - Join more third-party events / merge some EPMA events with third parties
 - Events to be fully hosted (room and / or catering paid by third party) to reduce cost for EPMA
- Trainings
 - Revive the EPMA MOOC that has still 1000 followers but is outdated
- Global PM Property Database
 - Add data on AM
- European Projects
 - Keep joining European projects, target 1 new project per year. Target of 4 projects simultaneously

Finances

Lionel Aboussouan

Member's Only

Elections

Lionel Aboussouan

Election 2025-2028

Sectors
Additive Manufacturing
Applications
Functional Material
Hard Materials / Refractory Metals
Isostatic Pressing & PM Semis
Metal Injection Moulding
Metal Powders
Plant & Equipment
PM Based Parts
Sustainability

Austria	2
Finland	1
France	2
Germany	4
Italy	2
Liechtenstein	1
Poland	1
Switzerland	2
Slovakia	1
Spain	1
Sweden	4
UK	1

- Candidate expressed interest early 2025

Company	Name	Country	AM	Applications	HM / Refractory Metals	Isostatic Pressing & PM Semis	MIM	Metal Powders	Plant & Equipment	PM Based Parts	Functional Materials	Sustainability
AMES Group Sintering	Cesar Molins	Spain								X		
AUBERT & DUVAL	Adeline Riou	France						X				
Bodycote H.I.P Limited	Susan Davies	UK		X		X						X
Carpenter Powder Products AB	Lars Taflin	Sweden						X				
EOS	Pekka Ekqvist	Finland	X									
EPoS Technologies SA	Andreas Zeller	Switzerland			X					X	X	X
GEVORKYAN, a.s.	Artur Gevorkyan	Slovakie	X			X	X	X	X	X	X	X
GKN Powder Metallurgy	Matthias Voss	Germany	X				X	X		X		
Gränges Powder Metallurgy SAS	Peter Vikner	France				X		X				
Hilti	Steven Moseley	Liechtenstein		X								
Höganäs AB	Linea Molin	Sweden						X				
KOMAGE Gellner Maschinenfabrik KG	Antonio Costa	Germany							X			
Linde GmbH	Werner Kroemmer	Germany										
Miba Sinter Holding GmbH & Co KG	Christian Hansl	Austria								X		
Osterwalder AG	Bartjan den Hartogh	Switzerland		X	X				X	X	X	X
Plansee SE	Heinrich Kestler	Austria			X							
Polmo Lomianki SA	Izabela Kulszewicz	Poland								X		
Pometon SpA	Carlo Sgarbossa	Italy	X					X				
Quintus Technologies AB	Jim Shipley	Sweden				X						
Rio Tinto	Martin Perez	Germany						X				
SACMI IMOLA S.C.	Andrea Zaccherini	Italy							X			
Sandvik Coromant	Jose Luis Garcia	Sweden			X							

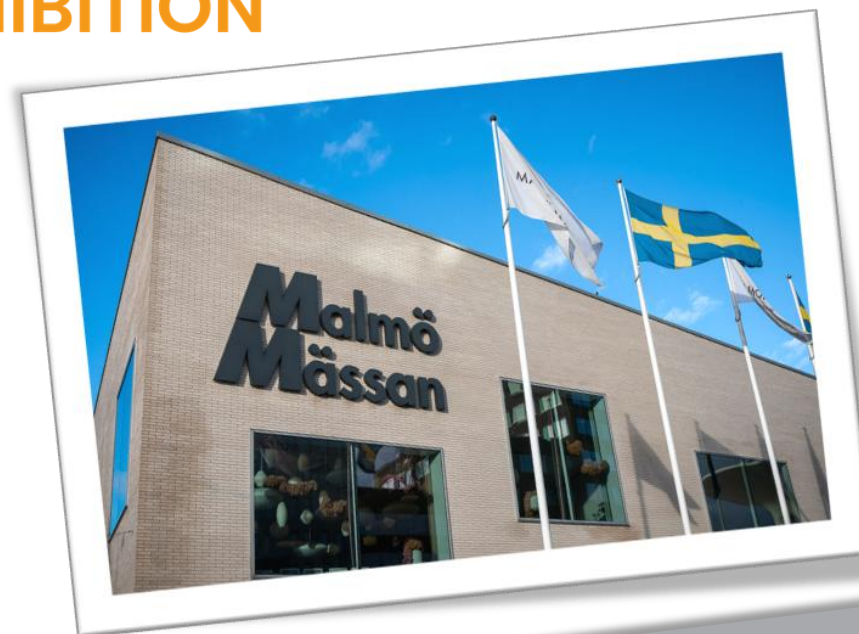
Board, President, Treasurer 2025-2028

- Board :
 - Adeline Riou – Aubert & Duval
 - Cesar Molins – Ames
 - Matthias Voss – GKN
 - Steven Moseley – Hilti
 - Lionel Aboussouan – EPMA
- President : Adeline Riou – Aubert & Duval
- Treasurer: Steven Moseley – Hilti

Congress & Exhibition

Sabine Hazoumé

EURO PM2024 CONGRESS & EXHIBITION



Euro PM Congress & Exhibition

EURO
PM2024
CONGRESS & EXHIBITION

Congress over 3 days from Monday to Wednesday
From 29 September to 2nd October 2024

TECHNICAL SESSIONS



- 162 Technical Presentations
- 11 Special Interest Seminars
- 6 Sectoral Group Meetings

TOTAL: 198 Oral Presentations

EXHIBITION



- 65 Booths
- 24 Posters Presentations
- 10 Industry Corners
- 5 Campfire Meetings
- 2 PM for Beginners sessions

AWARDS



15 Awards Presented

- 1 DSA, 1 FA and 1 Sustainability
- 6 Keynote Papers 1 Best Poster
- 2 Thesis Competition
- 3 Component Awards

SOCIAL EVENTS



- Welcome Reception
- Poster Reception
- TPC Dinner
- Congress Dinner

EURO PM2025 CONGRESS & EXHIBITION



Overview

- Date: 14 - 17 September 2025
- Venue: Scottish Event Campus (SEC), Glasgow, UK
- 4 social & networking events:
 - Welcome Reception
 - TPC dinner
 - Posters Reception
 - Congress Dinner
- Campfire, Industry Corner & Technical Briefs inside the exhibition
- Technical Programme available in May on the website
- Registration opens in May on the website
- Young Engineers event running in parallel.
- Advanced rate registration deadline: 25 August 2025



Important: Visitors to the UK from Europe require a passport and an ETA visa

Congress

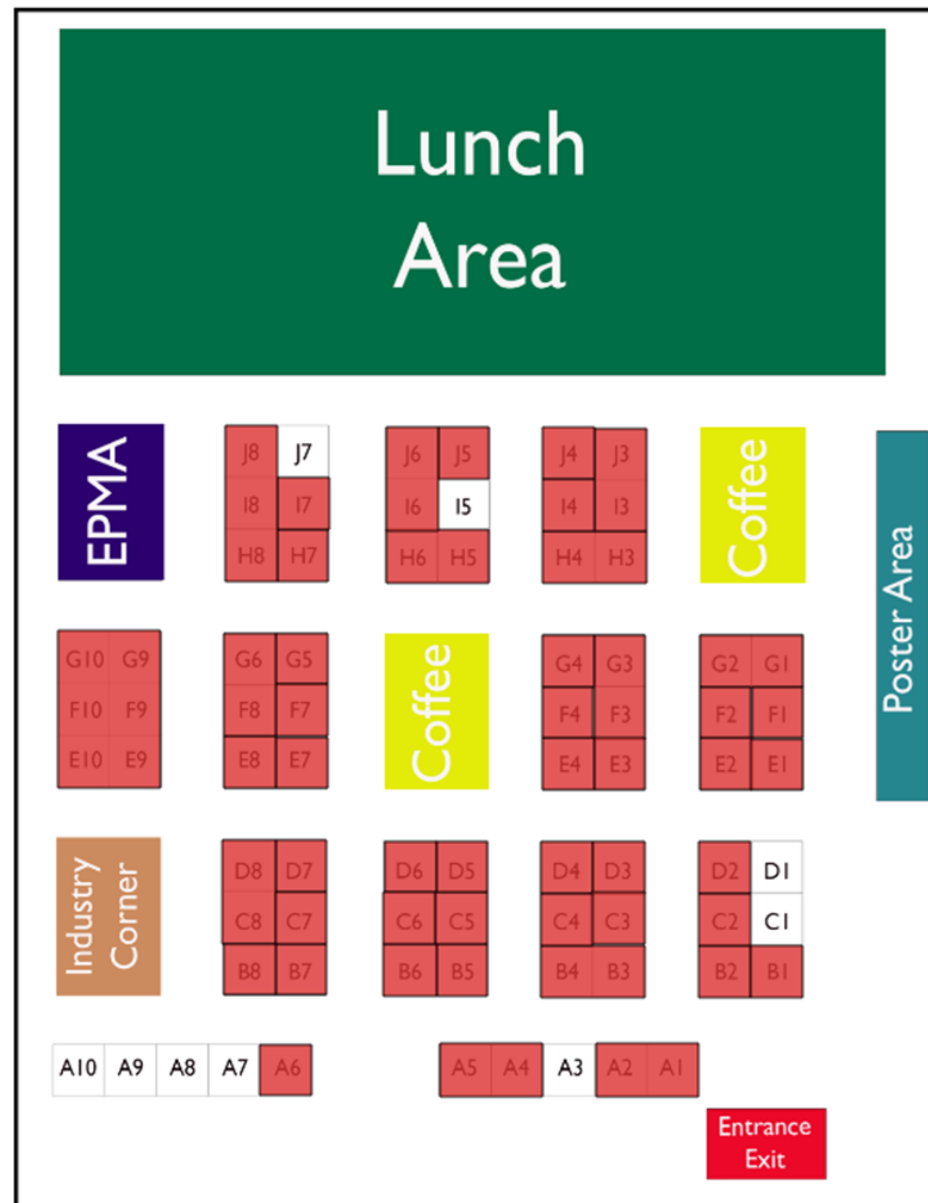
- Call for papers went out on 30 October 2024
- 235 abstracts submitted
- Sessions from Monday to Wednesday:
 - 45 Technical Sessions - **NEW:** Technical sessions will finish at 15:00 on Wednesday
 - 11 Special Interest Seminars - **NEW:** 2 Seminars on Application (Energy & Automotive)
 - 6 Sectoral & Working Group Meetings
- **NEW:** Technical Briefs: 10 min presentations in the PM Forum, no manuscripts required - **Submission open until 5 June** on the website

- PM for Beginners sessions inside the exhibition with 3 sessions instead of 2
- Campfire meetings – Submissions accepted until 18 June
- Industry Corner presentations - Submissions accepted until 18 June
- Plenary Speaker:
 - ☐ Prof. Gioia Falcone (*University of Glasgow*)
“Sustainable Energy”
 - ☐ Mr. David Stewart (*Rolls-Royce*)
“HIP Technology for Nuclear Power Plant Applications”
- Awards : DSA, FA, Sustainability, Poster Competition, Thesis Competition & Keynote paper



Exhibition

- 4000m²
- 75 Exhibition Stands
- Went on sale on October 2024
- All information on our website
- Stands marked in red are reserved



Future Euro PM's

Euro PM2026 - Budapest



- Date: 11-14 October 2026
- Venue: Hungexpo, Budapest, Hungary
- Congress Chairs:
 - Mr Iain Dandy (MTC Powder Solutions AB, Sweden)
 - Dr.- Ing. Anke Kaletsch (IAPK e.v. - RWTH Aachen, Germany)
- Key dates:
 - Exhibition Stands onsale: 15 September 2025
 - Abstracts Submission open: 5 November 2025
 - Abstracts Deadline: 21 January 2026
 - TPC Meeting: 18 February 2026



Euro PM2027 - Florence

- Date: 10 - 13 October 2027
- Venue: Firenze Fiera
- Congress Chairs:

Prof. Marco Actis Grande (Politecnico di Torino, Italy)

Mrs Ilaria Rampin (Pometon Spa, Italy)



World PM2028 - Vienna



- Date: 16 -19 October 2028
- Venue: Austria Center Vienna



Euro PM2029 – Lille, France



- Date: 14 -17 October 2029
- Venue: Lille Grand Palais
- One hour by train from either CDG Airport or Brussels Airport



Sponsorship

Andy Cormack

Sponsors

Sponsorship Packages are still available, starting from €2000

Contact ac@epma.com for information.

Gold Sponsors



Silver Sponsors

RioTinto

Bronze Sponsors



Promotional Event Partners

Event/Association Partner	Media Partner
AM Forum Berlin	Metal AM
EPIC - European Photonics Industry Consortium	Powder Injection Moulding
National Manufacturing Events	Power Metallurgy Review
Uni of Greenwich	Diamante AT
TCT 360	Fabricacion Additive
Additive Manufacturing Austria and 3dRuck.com	Tecnica Ceramica
UK Metals Expo	3d Adept
UTIS2025	Ceramic Applications
MGA	Ceramic Forum International
Norwegian AM	Smart Factory Magazine
Infopro Digital	Fine Engineering Magazine
International Conference on Sintering	
Fraunhofer IWS	
Additive Manufacturer Green Trade Association	

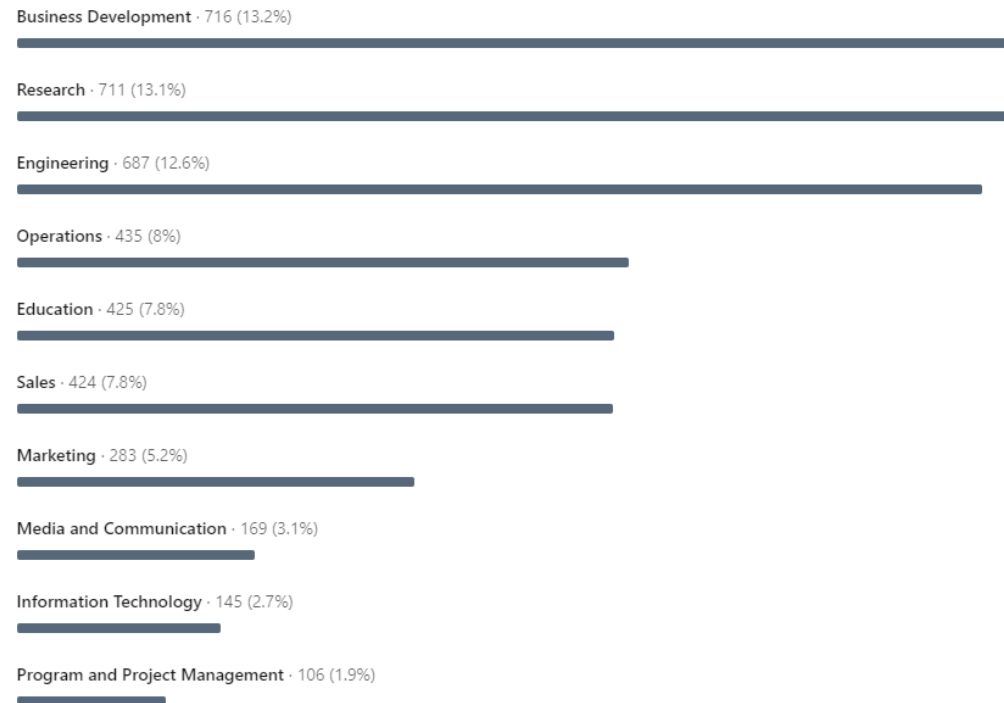
Communication & Marketing

Romain Rayez

Social Media

LinkedIn :

- European Powder Metallurgy Association – 2022 : 4673 | Members 2023: 6 585 Members | 2024: 7 525 Members
- EPMA Networking Group – 2021: 2625 | Members 2022 : 3823 Members | Members 2023 : 4 362 | Members 2024 : 4 803 Members



Email Marketing

2023

Total Sent	154
Total Recipients	705,260
Total Opened	86,328
Total Clicked	9,998
Total Unsubscribed	436
Total Replied	0

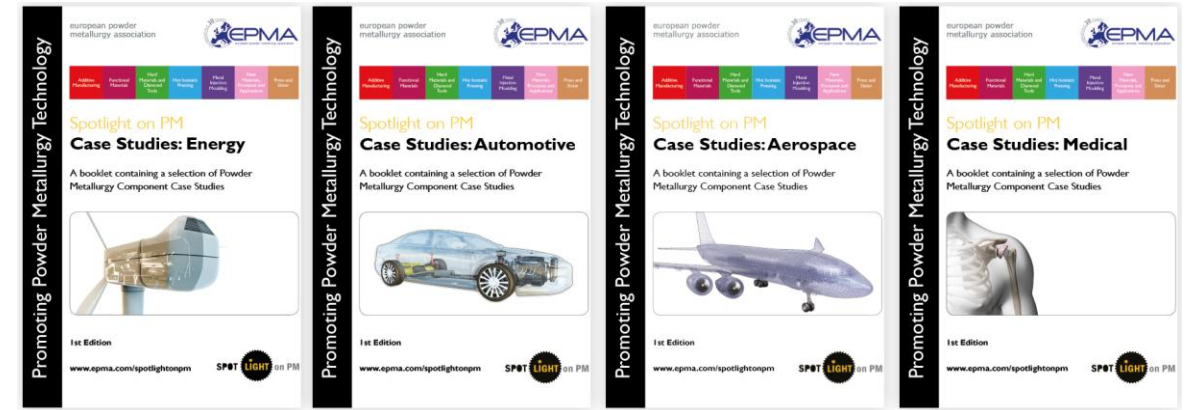
Open Rate
14.95% Details

2024

Sent	182
Recipients	843,618
Opens	154,491
Clicks	11,048
Unsubscribes	475
Replies	0
Soft + Hard Bounces	82,775

Open Rate
20.95% Details

EPMA Promotional Publications





The 23rd Residential PM Summer School

Join a unique experience of learning, discovery, and exchange at the EPMA Summer School. Every summer, students, researchers, and professionals from around the world come together to explore an advanced teaching of PM's advantages and limitations by some of the leading academic and industrial personnel in Europe. It is a rare opportunity to stimulate direct technical discussions by young scientists and

SUBMISSIONS ARE CLOSED FOR 2025 – SEE YOU NEXT YEAR!

EPMA PM Thesis Competition 2025



Diploma/Masters Category

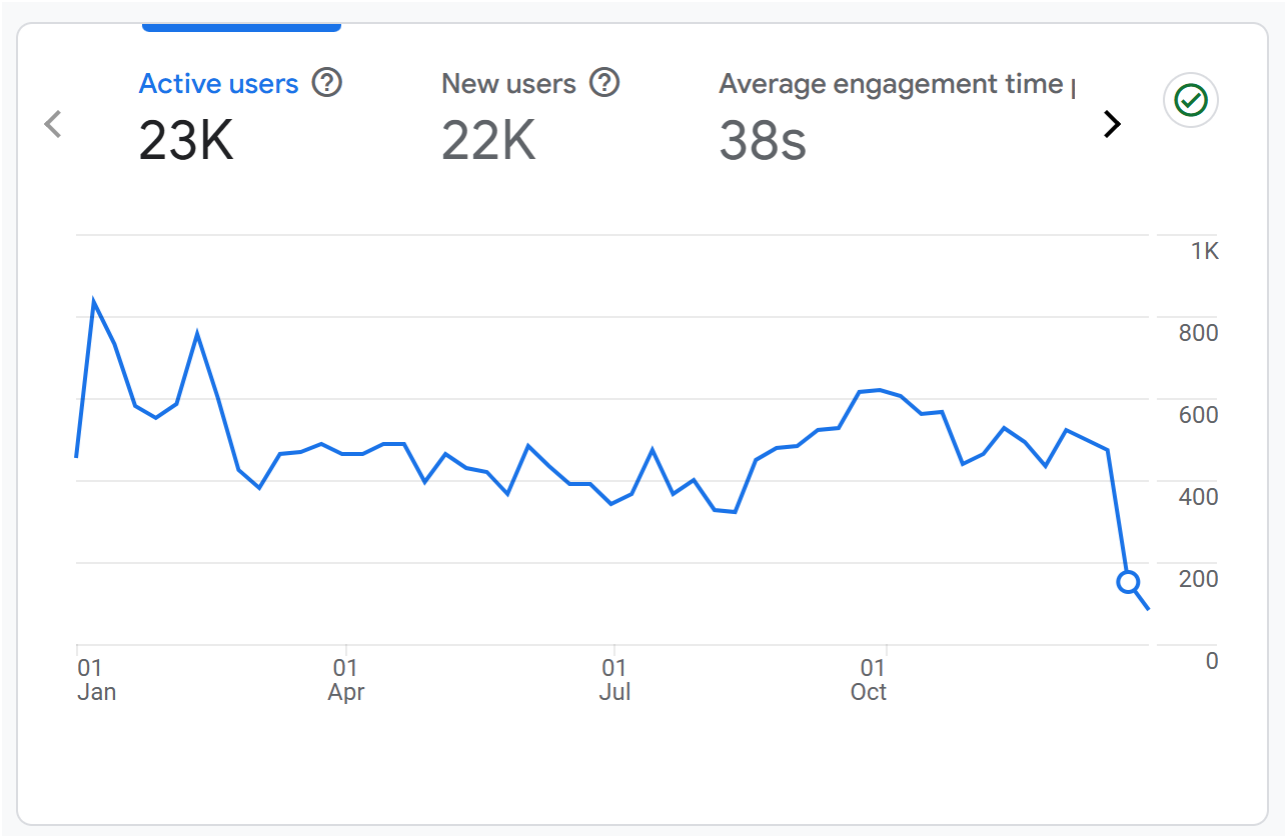
- Cash prize: €500
- Complimentary registration to the Euro PM2024 Congress and Exhibition
- 3-minute presentation of the winning thesis



Doctorate/PhD Category

- Cash prize: €1000
- Complimentary registration to the Euro PM2024 Congress and Exhibition
- 3-minute presentation of the winning thesis

EPMA Website traffic (2024)



European Powder Metallurgy Association

7 296 abonnés

Post sponsorisé

🚩 Call for Papers - Euro PM2025 - The Biggest all sector Powder Metallurgy Related event in Europe 🚩

We invite researchers and professionals in powder metallurgy to submit their abstracts for Euro PM2025, which will be held from September 14 to 17, 2025, in Glasgow, Scotland.

Abstract submission deadline: January 15, 2025

Abstracts should be original and unpublished, covering topics such as:

- Powder consolidation technologies
- Materials
- Applications
- Tools to enhance Powder Metallurgy

Don't miss this opportunity to share your research and connect with industry experts!



THE ESSENTIAL DESTINATION FOR THE INTERNATIONAL PM COMMUNITY

EURO PM2025
CONGRESS & EXHIBITION

CALL FOR PAPERS

The Euro PM2025 Congress & Exhibition, organised by the European Powder Metallurgy Association, will be taking place in Glasgow, United Kingdom 14 - 17 September 2025

Euro PM2025 Congress & Exhibition - Submit your abstract

europm2025.com

En savoir plus

Impressions

Clics

CTR moyen

32 994

164

0,5 %

European Powder Metallurgy Association

7 296 abonnés

Post sponsorisé

🚩 Call for Papers - Euro PM2025 - The Biggest all sector Powder Metallurgy Related event in Europe 🚩

We invite researchers and professionals in powder metallurgy to submit their abstracts for Euro PM2025, which will be held from September 14 to 17, 2025, in Glasgow, Scotland.

Abstract submission deadline: January 15, 2025

Abstracts should be original and unpublished, covering topics such as:

- Powder consolidation technologies
- Materials
- Applications
- Tools to enhance Powder Metallurgy

Don't miss this opportunity to share your research and connect with industry experts!



Present your findings to the PM community elite!

🚩 Call for Papers - Euro PM2025 - Submit your abstract

En savoir plus

Impressions

Clics

CTR moyen

37 213

133

0,36 %

European Powder Metallurgy Association

7 296 abonnés

Post sponsorisé

🎧 Hear from an Expert - Euro PM2025 🚩

We invite researchers and professionals in powder metallurgy to submit their abstracts for Euro PM2025, which will be held from September 14 to 17, 2025, in Glasgow, Scotland.

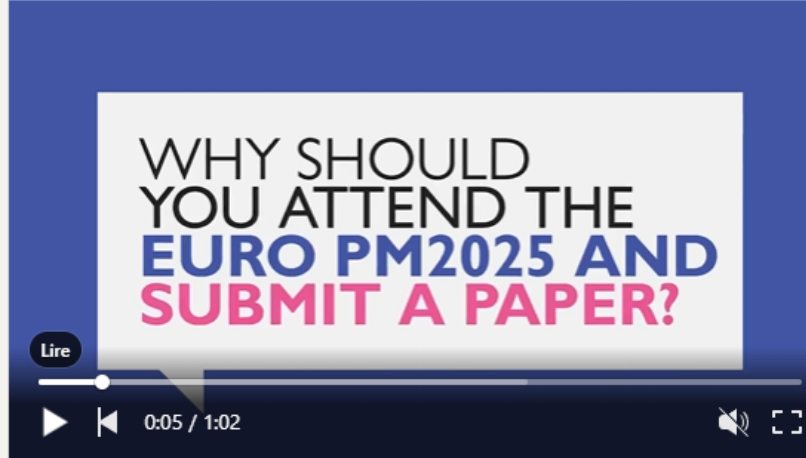
Abstract submission deadline: January 15, 2025

Abstracts should be original and unpublished, covering topics such as:

Powder consolidation technologies
Materials
Applications
Tools to enhance powder metallurgy

For more information and to submit your abstract, visit our website: Euro PM2025.

Hear from Dr. Anke Kaletsch from RWTH Aachen University on why you should submit a paper



WHY SHOULD YOU ATTEND THE EURO PM2025 AND SUBMIT A PAPER?

🚩 Call for Papers - Euro PM2025 - Submit your abstract

En savoir plus

Impressions

Clics

CTR moyen

47 394

134

0,28 %



European Powder Metallurgy Association

7 296 abonnés

Post sponsorisé

🚩 Last Chance to Submit Your Abstract - Euro PM2025 🚩

Don't miss the chance to present your research at Euro PM2025, the biggest powder metallurgy event in Europe!

Submit your original, unpublished abstract on:

Powder consolidation technologies

Materials

Applications

Tools to enhance powder metallurgy

Join us in Glasgow from September 14 to 17, 2025, and connect with industry experts.

**EURO
PM2025**
CONGRESS & EXHIBITION

Glasgow 2025
14-17 September 2025

CALL FOR PAPERS

LAST DAYS TO SUBMIT

Abstracts Submission Deadline extended: 17 January 2025.

Last chance to submit - Euro PM2025 Congress & Exhibition

europm2025.com

S'inscrire

Impressions



Clics



CTR moyen



10 207

55

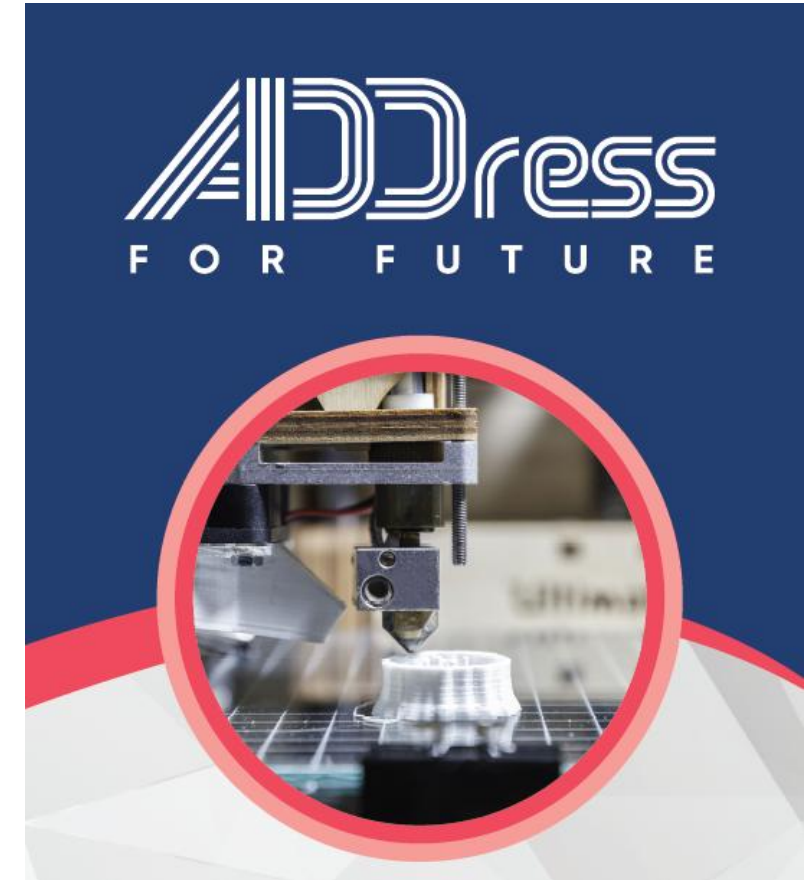
0,54 %

European Projects

Hamid Yousefi

The ADDress Project

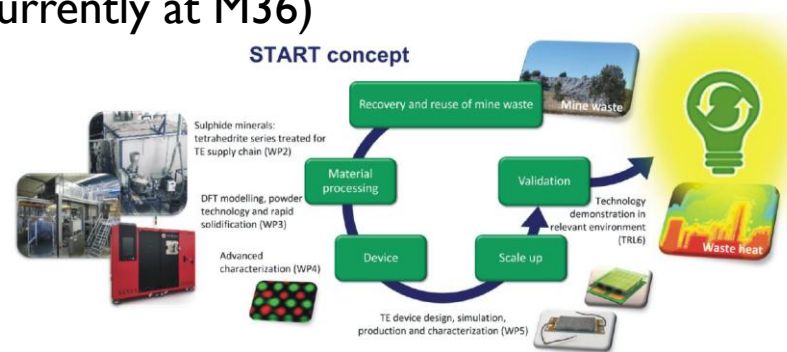
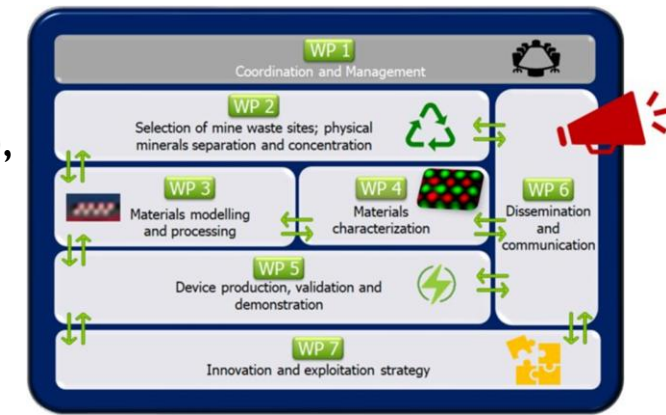
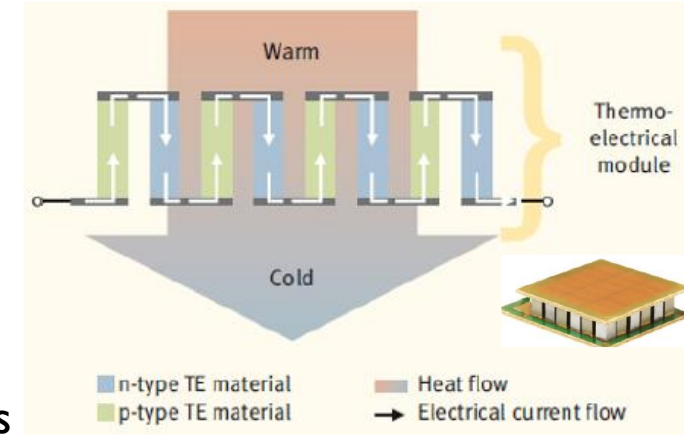
- ADDress is an Erasmus+ project developed to support the building of a Europe-wide training zone by using digital tools that will enable the development of trainers, professionals and NEETs with a lifelong learning perspective.
- The project aims to increase the skills of young people, trainers and adults about additive manufacturing technology and to ensure that the developed VET content is accessible by more people with digital tools.
- Coordinator: CEV (Turkey) - 9 partners
- 2.5 years + extension (**completed October 2024**).
- EPMA was involved in all tasks including dissemination



The START project

“SUSTAINABLE ENERGY HARVESTING SYSTEMS BASED ON INNOVATIVE MINE WASTE RECYCLING”

- Coordinator: Laboratorio Nacional de Energia e Geologia I.P., LNEG (Portugal). 16 partners (11 countries), 8 SMEs.
- Development of sustainable and economically viable Te-free **thermoelectric** waste heat harvesting systems, by re-mining mine wastes for p-type tetrahedrite ($\text{Cu}_6[\text{Cu}_4(\text{TM})_2]\text{Sb}_4\text{S}_{13}$), building a sustainable supply chain
(TM = Transition Metal)
- Functional materials!** Circular economy, less EU dependence on critical raw materials, energy efficiency, reduction of environmental impact
- PM Technologies involved: powder production, fast sintering, Pulsed Plasma Compaction, HIP. TRL 6 expected.
- Duration: 4 years, (01/06/2022-31/05/2026, currently at M36)
- Total budget: 7.7 M€ (857 personmonths)
- EPMA leading Dissemination/Communication 331 k€ (33 PM)**



Materials	Bi_2Te_3	PbTe	SiGe	Tetrahedrite
Current commercial materials				
Figure of merit (zT)	> 1	> 1	> 1	> 1
Operational temperature	< 300 °C	< 500 °C	< 900 °C	< 550 °C
Toxicity	■	■	■	■
Environmental aspects	■	■	■	■
Raw materials availability	■	■	■	■
Large scale manufacture	■	■	■	■
Positive assessment ■ Negative assessment ■ Less favourable ■				

The RESQTOOL project



Recycling of High Quality CRM Resources from Machining Tools for Re-use Applications

- Global objective: Offer a sustainable and energy efficient solution for recycling and responsible supply of Critical Raw Materials (Co,VV,Ta,Ti, Nb) from End of Life products in metal/wood cutting, construction and manufacturing industries by lowering the carbon footprint of Zinc Reclaim process and developing advanced hydro- and solvo-metallurgical chemical recycling based on agro-industrial waste-bioderived chemicals
- 12 Participants from Industry & Academia
- Coordinator: EPMA
- Total Budget: 8,831,968 €
- Duration: 4 Years
- Started with a kick-off meeting in Chantilly on **12 December 2023**
- **Currently at month 18**

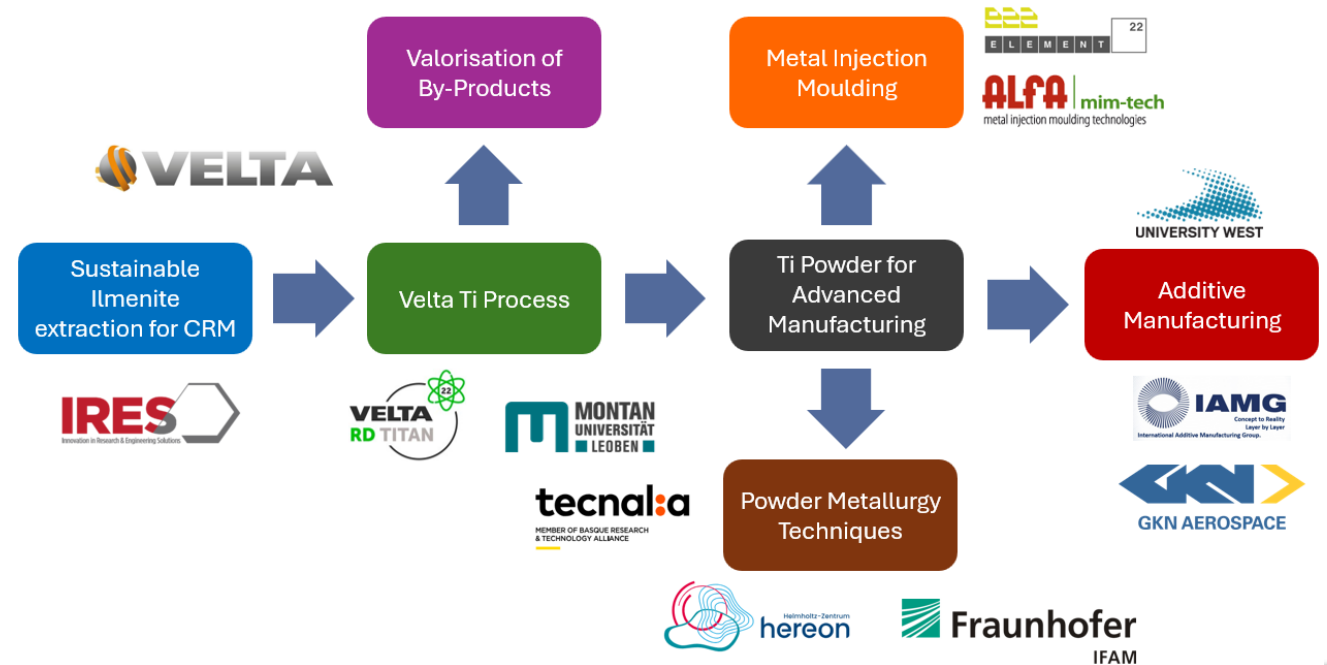


The REPTiS project



Responsible Extraction and Processing of Titanium and other Primary Raw Materials for Sourcing EU Industrial Value Chains and Strategic Sectors

- Global objective: Offer a sustainable and energy efficient solution for responsible extraction and processing of Titanium together with other Primary Raw Materials from strategic partner country Ukraine to supply EU industrial value chains and strategic sectors with a net zero-waste approach
- 13 Participants from Industry & Academia
- Coordinator: **EPMA**
- Total Grant: 7,304,086 €
- Duration: 4 Years
- Proposal granted on 22 May 2024
- Started on 1st September 2024
- Currently at month **M09**



EU projects

- **Call for projects 2025**

- **Horizon Europe project:** Methanol Production via Captured CO₂ and Innovative Membrane Technology : **MERCAN**. Coordinator: SOCAR (TR) (**budget about 163k€ / 4 years**). Submitted. Expected Start: Nov 2025-
- **Erasmus+ project** on Training & Education in Powder Metallurgy: **PMEXCEL**. Coordinator: EPMA (**Budget about 520k€ / 4 years**) Will be submitted in June 2025. Expected Start: December 2025
- **Horizon Europe project:** Technologies for critical raw materials and strategic raw materials (Titanium) from End-of-Life products: **Ti-REX**. Coordinator: EPMA (**Budget about 600k€ / 4 years**) Will be submitted in September 2025. Expected Start: March 2026
- **Horizon Europe project:** Strategic Partnership for Raw Materials (Rare Earth Elements) with Australia. Coordinator: EPMA (**Budget about 600k€ / 4 years**) Will be submitted in September 2025. Expected Start: March 2026
- **Horizon Europe project:** Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry (Made in Europe Partnership) : **ZEBRA**. Coordinator: VTT (**Budget about 350k€ / 4 years**) Will be submitted in September 2025. Expected Start: March 2026

EPMA will be happy to take part in next calls!

Sectoral Groups reports Tech Team and Chairs

P&S

Cesar Molins

European Press&Sinter Group



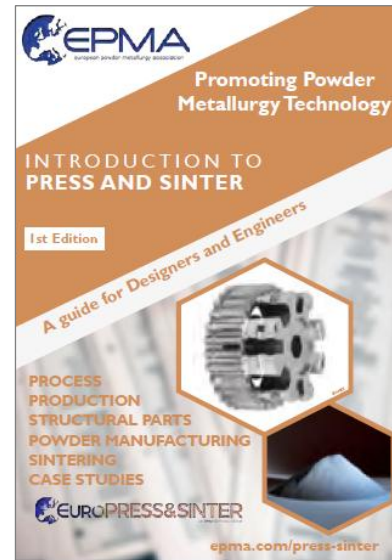
The European Press&Sinter Group (EuroPress&Sinter) basically exists since the founding of the association, but formerly known as European Structural Parts Group. It is open to companies and organisations across the supply chain who are or become members of the EPMA.

Seminars



Barcelona,
2023

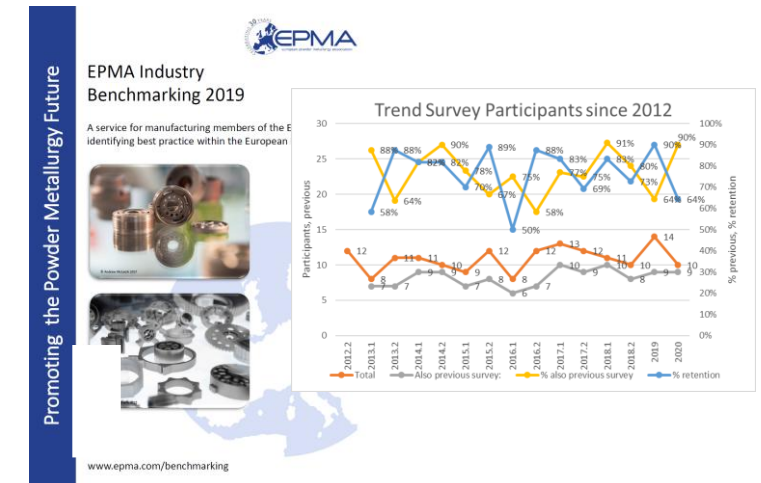
Publications



EPMA educative
brochure on
Press&Sinter

Available for
download from
EPMA web site:
www.epma.com

Statistics



Available for members and survey
participants

The European Press&Sinter Group (EuroPress&Sinter) has two co-chairs and a Steering Committee (normally meeting via conference call).

Chairs

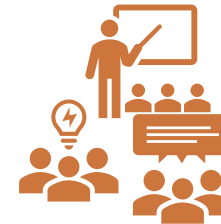
- Cesar Molins (AMES S.A.)
- Dimitris Chasoglou (Höganäs AB)

Steering Committee

- Cesar Molins (AMES S.A.)
- Dimitris Chasoglou (Höganäs AB) – new
- Christian Gierl-Mayer (TU Wien) - new
- Robert Hellein (MIBA Sinter Group)
- Alberto Molinari (Università di Trento)
- Ilaria Rampin (Pometon)
- Markus Schneider (GKN Powder Metallurgy Engineering GmbH)
- Andrea Zaccherini (SACMI/Riedhammer)
- Bruno Vicenzi (EPMA)

Activities 2024

- Surveys: Statistics/Trend/Benchmarking
- Promoted a PM session in the automotive end user event CTI Symposium, Berlin, 3-4 December 2024. 3 speakers related to PM (SMCs, etc.).
- **Euro PM2024 Congress, 29th Sep - 02nd Oct**
 - Special Interest Seminar: “Challenges and Advantages of Uniaxially Pressed Parts” (NDT techniques, SMCs)
 - Technical Sessions
 - Sectoral Group meeting



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PM2024
CONGRESS & EXHIBITION

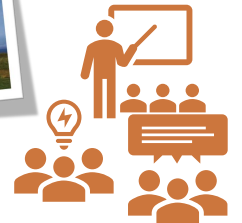


Activities 2025

- Surveys: Statistics/Trend (data already shown by the President). The Benchmarking will be launched soon.
- **Euro PM2025 Congress, 14th – 17th Sep**
 - Special Interest Seminars on Press&Sinter and Automotive
 - Technical Sessions
 - Sectoral Group meeting



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CONGRESS & EXHIBITION



Trend Survey 2025 Member's Only

Q14: How do you rate the Global business nowadays?

Q16: How do you rate the Global trend of business over the next 12 months?

MIM

Frank Petzoldt

European Metal Injection Moulding Group



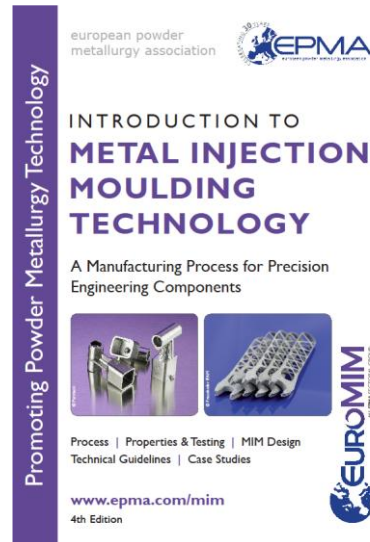
The European Metal Injection Moulding Group (EuroMIM) was launched in 2001 as a follow-up to the European Network MIMNET. It is open to companies and organisations across the supply chain who are or become members of the EPMA.

Seminars



EPMA MIM Seminar
24-25 May 2023, Sandviken, Sweden

Publications



EPMA educative
brochure on MIM
(4th edition)

Available for
download from
EPMA web site:
www.epma.com

Statistics

Available for members and survey participants

European Metal Injection Moulding Group



The European Metal Injection Moulding Group (EuroMIM) has two co-chairs and a Steering Committee (normally meeting via conference call).

Chairs

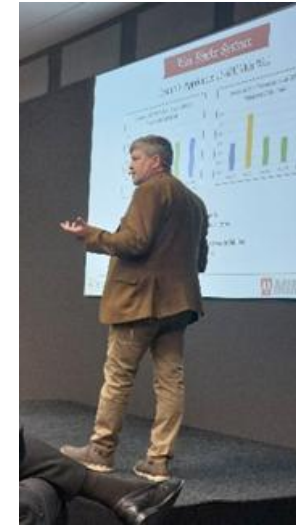
- Frank Petzoldt (IngenieurBuro F. Petzoldt, Germany)
- Georg Breitenmoser (Parmaco, Switzerland)

Steering Committee

- Frank Petzoldt (IngenieurBuro F. Petzoldt, Germany)
- Georg Breitenmoser (Parmaco, Switzerland)
- Paul A. Davies (IndoMIM)
- Gemma Herranz Sánchez-Cosgalla (Castilla-La Mancha University UCLM, Spain)
- Marko Maetzig (Arburg GmbH + Co KG, Germany)
- Jack Schwarz (GKN Sinter Metals GmbH, Germany)
- Kei Takenuma (Epson-Atmix)
- Osman Yilmaz (Parmaco, Switzerland) - New
- Bruno Vicenzi (EPMA)

Activities 2024

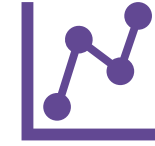
- **Surveys** – February-April 2024
- **Sustainability of MIM** (with German EK and JPMA)
- **Euro PM2024 Congress**, 29th September – 2nd October:
 - Special Interest Seminars « *Advances in MIM Materials and Processes* », pt 1 & 2, from MIM powders to control of production
 - Technical Papers
- **Sectoral Group meeting**, @EuroPM



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PM2024
CONGRESS & EXHIBITION

Activities 2025

- **Surveys** – February-April 2025 (data already shown and others in next slide)
- **Updating** the Intro to MIM brochure
- **Plans to** offer a more « modern » informative series (short videos)
- **Euro PM2025 Congress**, 14th-17th September:
 - Special Interest Seminar on trends and scenarios interesting for the MIM community
 - Technical Papers (lack of)
- **Sectoral Group meeting**, @EuroPM
- Planning a MIM seminar in 2026



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CONGRESS & EXHIBITION

2025 Trend Survey for 2024 Member' only

FM

Sebastian Hein

European Functional Materials Group



The European Functional Materials Group (EuroFM) was launched in 2018 after a successful first seminar on Functional Materials in automotive. It is open to companies and organisations across the supply chain who are or become members of the EPMA.

Seminars

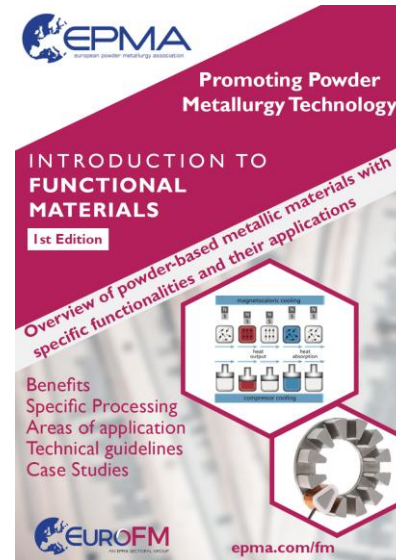


Jülich,
2018



Bremen,
2019

Publications



NEW! EPMA educative brochure on FM edited in 2021!

Available for download from EPMA web site:

www.epma.com

Statistics

European Functional Materials Group



The European Functional Materials Group (EuroFM) has two co-chairs and a Steering Committee (normally meeting via conference call).

Chairs

- Dr Sebastian Boris Hein (Fraunhofer IFAM Bremen)
- **Dipl-Ing Moritz Stolpe – (M. Stolpe Consulting)**

Steering Committee

- Dr Martin Bram (Forschungszentrum Jülich)
- Dr Mark Dougan (AMES SA)
- **Dr Alessandro Fais (EPoS SA)**
- Dr Bernd Grieb (PPM Materials)
- Dr Sebastian Boris Hein (Fraunhofer IFAM Bremen)
- Dr Vincent Bonnefoy (CEA/LITEN)
- Dr Peter Kjeldsteen (Sintex a/s)
- Dr José Manuel Martín García (CEIT)
- Dr Yoko Pittini-Yamada (Parmaco)
- Dr Markus Schneider (GKN Powder Metallurgy Engineering GmbH)
- Dipl-Ing Moritz Stolpe – (M. Stolpe Consulting)
- Kei Takenuma (Epson Atmix)
- **Dr Badrinath Veluri (Grundfos)**
- Dr Sandra Wieland (Fraunhofer IFAM Bremen)
- Dipl-Ing Dirk Zepp (Höganäs AB)
- Bruno Vicenzi (EPMA)

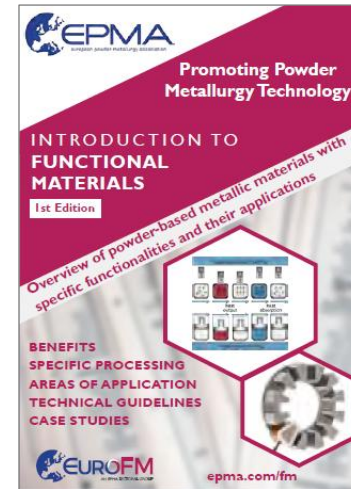
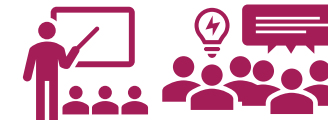
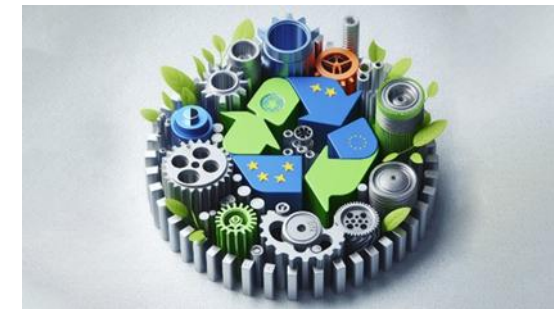
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EURO
PM2024
CONGRESS & EXHIBITION

Activities 2025

- Session 2 of the webinar series “**PM in the Green Transition**” contained 1 FM topic (Soft Magnetic Composites)
- **Update** of the “Intro to FM” has started
- **Euro PM2025 Congress**, 14-17 Sep:
 - Special Interest Seminar on (likely) permanent magnets and recycling thereof
 - Link to the Critical Raw Materials sessions (Sunday 14th workshop, SIS, CRM Corner)
 - Technical Papers
 - Sectoral Group meeting

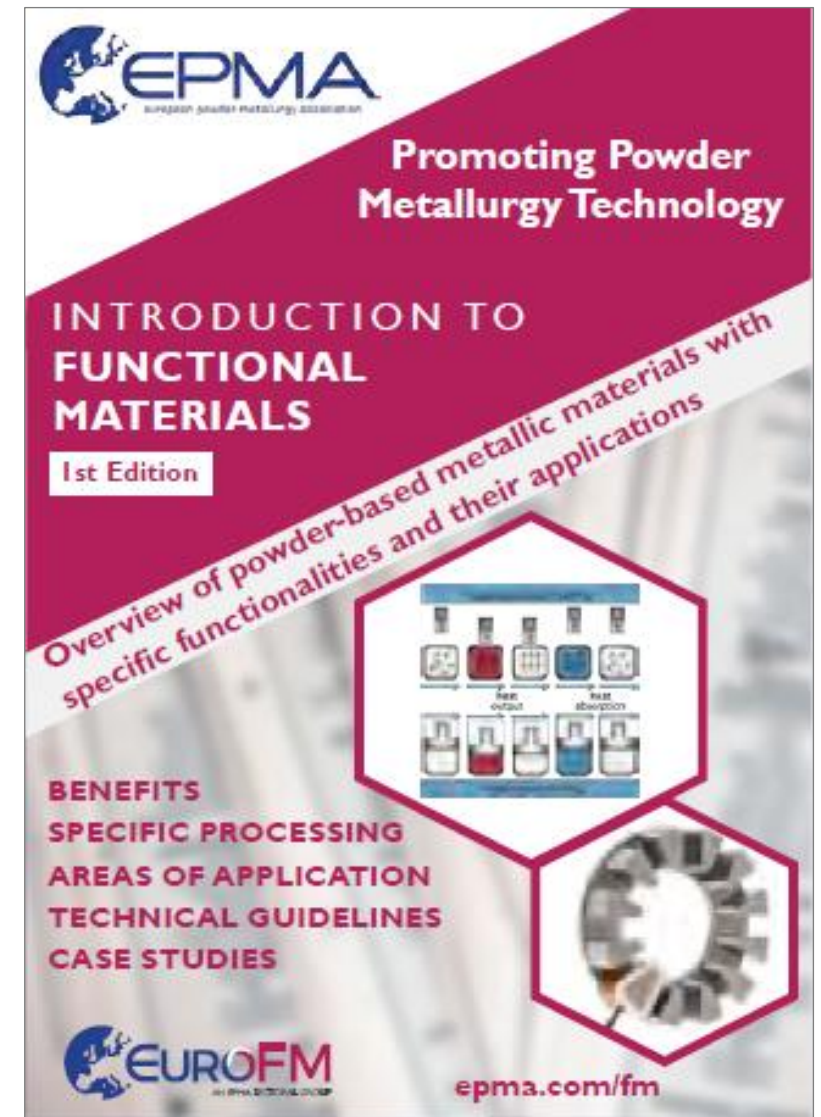


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CONGRESS & EXHIBITION

FM brochure

Plan decided

- 1st Edition: April 2021
- Some topics and the case studies could be improved
- 2nd edition in 2025 (ready for Euro PM2025)
- Objectives:
 - Stress the “Green Transition” topics
 - Balance case studies, update them, include Green Transition examples
 - If possible, include contribution from other external experts on missing parts
- Editorial Committee among the EuroFM SC



AM

Adeline Riou / Claus Aumund-Kopp

EuroAM Activities

EuroPM Congress & Exhibition 2024

Date : 29 Sept- 2 October 2024

Location : Malmö, Sweden

- SIS Session on “Overview of the Evolution of AM Technologies”
- SIS Session on “Benefits of combining AM&HIP”
- Sectoral Group Meeting with a keynote ppt by AMPOWER



EuroPM Congress & Exhibition 2025

Date : 14-17 September 2025

Location : Glasgow, UK

- SIS Session on “Defence applications of AM”
- Sectoral Group Meeting with a keynote ppt by AMRC-University of Sheffield

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PM2025
CONGRESS & EXHIBITION



EuroAM Activities

EuroAM Seminar 2024

Date : June 4-5, 2024

Location : Augsburg, Germany

Program highlights

- Topic of Focus I: Innovations in AM Materials
- Topic of Focus II: Multi-Material AM
- Overview of AM processes
- 16 speakers with live presentations



Organized together with:  **Fraunhofer**
IGCV

EuroAM Activities

AEROSPACE SEMINAR

“Use of Powder Metallurgy Technologies in Aerospace”

Date: 20-21 May 2025

Location: Sandviken, Sweden

- Advanced materials
- Emerging Technologies
- Powder Metallurgy techniques - including Additive Manufacturing, Hot Isostatic Pressing, Metal Injection Molding, and Hard Materials
- Engaging presentations and specific case studies that highlight their real-world applications
- Site visits to Sandvik Additive & Sandvik Coromant



Co-organized with:  **SANDVIK**

EuroAM Trends Survey 2025 member's Only

HIP

Anke Kaletsch / Jim Shipley

EuroHIP Activities - Seminars

Energy Seminar 2024

“Nuclear Energy: Use of HIP and other Technologies”

- Date : 11-12 March, 2024
- Location : Le Creusot, France
- Host: Université de Bourgogne
- 11 presentations, 42 participants
- Site visit to Alstom



Next Energy Seminar will be held in March 2026.

Co-organized with:



EuroHIP Activities - EuroPM

EuroPM Congress & Exhibition 2024

Date : 29 Sept - 2 October 2024

Location : Malmö, Sweden

- SIS Session on “PM-HIP and Near Net Shape”
- SIS Session on "Post Processing Using HIP"
- Sectoral Group Meeting

EuroPM Congress & Exhibition 2025

Date : 14-17 September 2025

Location : Glasgow, UK

- SIS Session on “HIP in Oil & Gas Industry”
- SIS Session on "Energy - Power Generation"
- Sectoral Group Meeting



EURO
PM2025
CONGRESS & EXHIBITION



EuroHIP Trends Survey-2025 Member's Only

HM

Steven Moseley / Luis Llanes

EuroHM Activities

EuroPM Congress & Exhibition 2024

Date : 29 Sept- 2 October 2024

Location : Malmö, Sweden

- 6 Technical sessions
- Sectoral Group meeting as an outlook on Hard Materials
- 2 SIS sessions with titles of “Sustainability in Hard Materials” and “Coatings in Hard Materials”



EuroPM Congress & Exhibition 2025

Date : September 14-17 , 2025

Location : Glasgow, UK

- 6 Technical sessions within the new structure of nine different groups
- Sectoral Group meeting as an outlook on Hard Materials
- A SIS session on “Digital tools in Hard Materials”

EURO
PM2025
CONGRESS & EXHIBITION

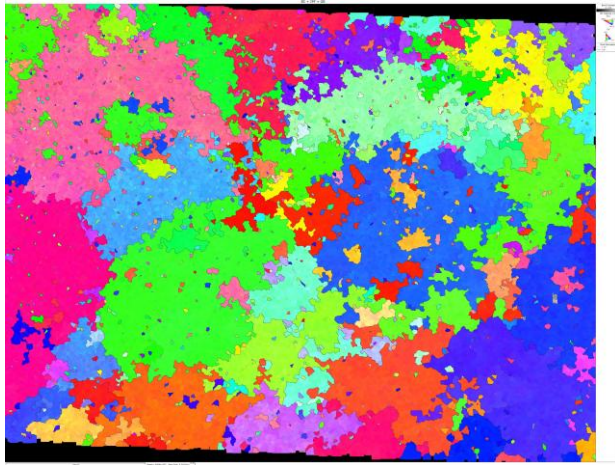


EuroHM Activities

Winterev 2024

“THEMATIC approach to HARD MATERIAL EVALUATION”

- Date : 10-11 December 2024
- Place : NPL facilities London, UK
- High level speakers as experts of the topic
- 26 participants from Industry & Academia



Summerv 2026

Under Planning for May / June 2026 in Vienna (TU Wien)

EuroHM Club Projects *(Completed)*

Simulation of Fatigue Crack Growth in Hardmetal at a Mesoscopic Scale

“SIMU-CRACK V”

Objectives :

1. Extension of reliability assessment approach introduced in Simucrack IV, by taking into consideration service-like induced damage
2. Assessment of residual strength of hardmetals, as a function of C content, linked to induced damage introduced during previous cyclic loading
3. Microstructural characterization of service-like damage prior to crack development

The Contractors – IWM RWTH Aachen University, Aachen, Germany
– NPL Materials Division, Teddington, UK
– UPC CIEFMA Barcelona, Spain

Budget – 120.000 €

Duration – 18 Months

Started – September 2022

Ends – December 2024



EuroHM Club Projects *(Running)*

The influence of binder alloying in Hardmetals on their properties “AlloyHard”

Objectives :

- Does the prealloying of metal binders change the properties of the hardmetals compared to elemental mixes?
- How do prealloyed binders change the sintering behaviour (shrinkage, mass loss etc.)?
- Does the solubility of W and C change when pre-alloyed binder powders are used

The Contractors – Fraunhofer IKTS, Germany
– CEIT, Spain

Budget – 112.000 €

Duration – 24 Months

Started – February 2025



MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE



EPMI

Susanne Norgren

Chairs: S. Norgren (Lund University and Sandvik), T. Weißgärber (Fraunhofer IFAM and TU Dresden)

Co-chairs are in charge for 4 years; every 2 years one is replaced by elections (next in January 2026)

Members

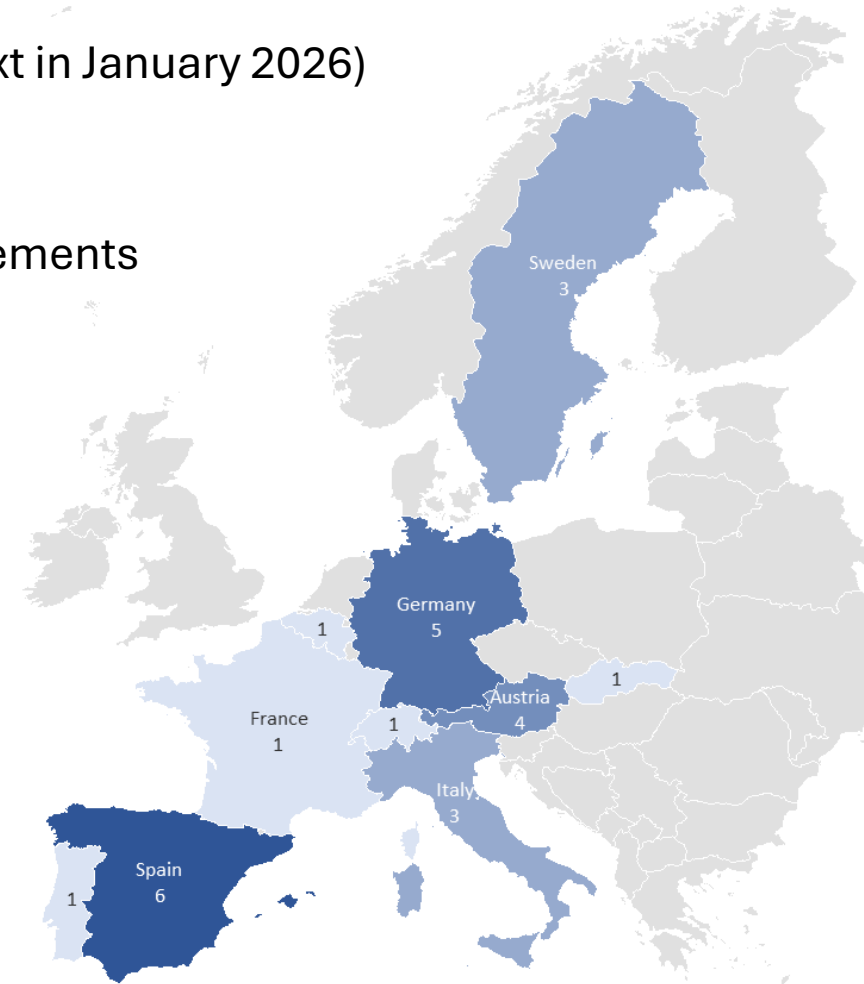
- New members to compensate occurred and expected retirements
- Presently 26, foreseen limit is 30
- Membership is personal, not linked to the institute or group

Meetings

- Virtual + in person
- 2024: February, June, September @EuroPM (in person)
- 2025: March

Fields

- Training
- EuroPM
- Research
- Supports for awards and competitions



Organisation of training

- Summer School 2024 in Alessandria – July 15-19, 2024 – more applicants than spots (81 applicants). Lectures reduced to 45', more time for lab experiences
- Summer School 2025 in Lund – June 22-27, 2025 – 71 applicants). Visit to Höganäs, labs there and in Lund
- Contribution to organise the Young Engineers Day
- Training Webinar “PM in the Green Transition”, 20th March in 2024 and 2025, 6 lecturers, 38 participants in total, who got a certificate after a test
- Reorganisation of EPMA trainings under a “PM Life” umbrella is the long-term goal



EHQS

Kenan Boz

EHQS Working Group



ISO

Standardization issues
and related topics
Contact: Kenan Boz

Sustainability

Life Cycle Analysis (LCA)
Assessment of Env. Impacts
Contact: Bruno Vicenzi

Chemical Management

Regulations and legislative issues
(REACH ...)
Contact: Kenan Boz

- Organising activities and attending meetings on Standardisation for Powder Metals and related sectoral groups such as Additive Manufacturing
- Follow-up of newly coming rules and legislations for Chemical Management on Nickel, Cobalt, etc.
- Collecting and sharing information on business related issues such as Brexit, Green Deal, etc.
- Improving awareness of sustainability issues
- Coordinating Collaborative or European Funded Projects related to the WG topics

EHQS Working Group

A Special Interest Seminar was organized at EuroPM 2024 Malmö with three speakers, titled:
“Sustainability & Standards for PM”

- Richard Freeman (NADCAP)
- Filip Francqui (Granutools)
- Kenan Boz (EPMA)

A Special Interest Seminar will be held at EuroPM 2025 Glasgow with the title:
“Sustainability, Standards and EU policies for PM”



Chemicals

Kenan Boz

- In the Chemical Strategy for Sustainability, (CSS) presented on 14 October 2020 under the European Green Deal, the Commission announced a revision of the “REACH” in the most targeted way possible.
- The revision was not tabled in the 2019-2024 term. In her political guidelines for the 2024-2029 Commission, however, Ursula von der Leyen announced that the Commission would put forward a new chemicals industry package, aiming to 'simplify REACH'

The Problem:

Concerns have been raised that the current system for regulating chemicals is too complex, slow and consumes too many resources.

The Solution:

To make the current system simpler, more effective and more predictable, one doesn't need to overhaul existing legislation. It is all about better identification of the 'problem substances' and choosing the best tool to control exposure or risks to humans and the environment.

Methodology:

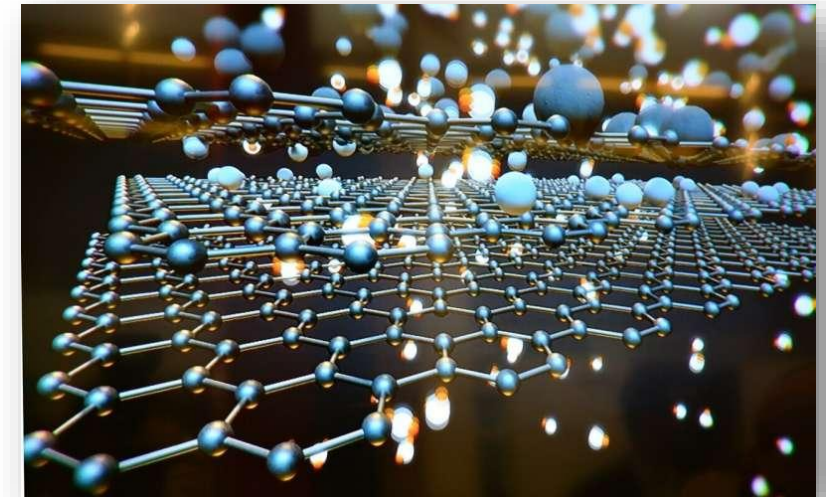
This requires an upfront analysis from available data on chemicals resulting in the identification of priority substances and a regulatory plan for identified priority chemicals for which action can be taken under REACH or other legal instruments.

EPMA is following the decisions/actions of the Commission through Eurometaux

Since 1 January 2020, explicit legal requirements under REACH apply for companies that manufacture or import nanoforms. These reporting obligations address specific information requirements, outlined in revised annexes to the REACH regulation:

- Characterisation of nanoforms or sets of nanoforms covered by the registration (Annex VI)
- Chemical safety assessment (Annex I)
- Registration information requirements (Annexes III and VII-XI)
- Downstream user obligations (Annex XII)

The Nanomaterials Expert Group (NMEG) was established in October 2012 with the support of the competent authorities for REACH and CLP (CARACAL) and for Biocides. This informal advisory group supports the implementation of ECHA's workplans for nanomaterials and provides information and advice on scientific and technical issues regarding the implementation of REACH, CLP and BPR legislation in relation to nanomaterials.



Credit: Pixabay/CC0 Public Domain

EPMA is invited to join NMEG of ECHA in 2021, and since then EPMA is represented in NMEG.

ISO

Kenan Boz

ISO - TC 119 Powder Metallurgy



ISO/DIS 3252 Powder metallurgy — Vocabulary

ISO/TC 119/SC2 “Sampling and testing methods for powders (including powders for hardmetals)”

ISO/DIS 4491-2 Metallic powders — Determination of oxygen content by reduction methods — Part 2: Loss of mass on hydrogen reduction (hydrogen loss)

ISO/DIS 3995 Metallic powders — Determination of green strength by transverse rupture of rectangular compacts

ISO/TC 119/SC3 “Sampling and testing methods for sintered metal materials (excluding hardmetals)”

ISO/DIS 2740 Sintered metal materials, excluding hardmetals — Tensile test pieces

ISO/DIS 5842 Powder metallurgy — Hot isostatic pressing — Argon detection using gas chromatography and mass spectrometry techniques

ISO/AWI TR 23858 Preparation of metallographic specimens used for porosity determination

ISO/TC 119/SC4 “Sampling and Testing Methods for Hardmetals”

ISO 28080:2021 Hardmetals - Abrasion tests for hardmetals

ISO/DTR 23867 Ultrasonic testing of hardmetals

ISO/TC 119/SC5 “Specifications for powder metallurgical materials (excluding Hardmetals)”

ISO/DIS 5755 Sintered metal materials — Specifications

- Last Meeting: 9-11 October 2024 in Yokohama-JAPAN. EPMA was represented online
- Next Meeting: 17-19 September 2025 in Glasgow-UK. EPMA will be hosting the event

Sustainability

Bruno Vicenzi

Sustainability

- Good stories on sustainability from members to the EPMA website and LinkedIn
- Mainly large companies have sustainability reports. Already available:
 - ERAMET, HÖGANÄS, LINDE, SACMI, SANDVIK, HILTI, ...
- Reports have different approaches to present PM & Sustainability
- SurveyMonkey questionnaire to collect some information in a consistent way
<https://www.surveymonkey.com/r/PM-Sustainability-2021>

Sustainability Award

- Any EPMA member company
- Rules: Filling the survey by the deadline, a jury assigns the scores according to the criteria and chooses the winner
- First awards given during the plenary session of the Euro PM2023, second edition at Euro PM2024
- 2025: Still collecting submissions
- Take part in 2026!



Höganäs



**Awards
2023**



**Award
2024**



Collaborative Sustainability Projects

Life Cycle Assessment for Low Alloy PM Steel "LCA-LAPS"

Objectives :

1. Quantify the Life Cycle Analysis for a high-volume Press&Sinter material (low alloy steel from water atomised powders) so that a direct comparison to competing technologies will be possible.
2. Produce individual company and site reports for the powder producers and the parts producers participating



Sustainability Club Project – direct support

Background:

An activity is proposed by IFAM

General training + specific work with each partner

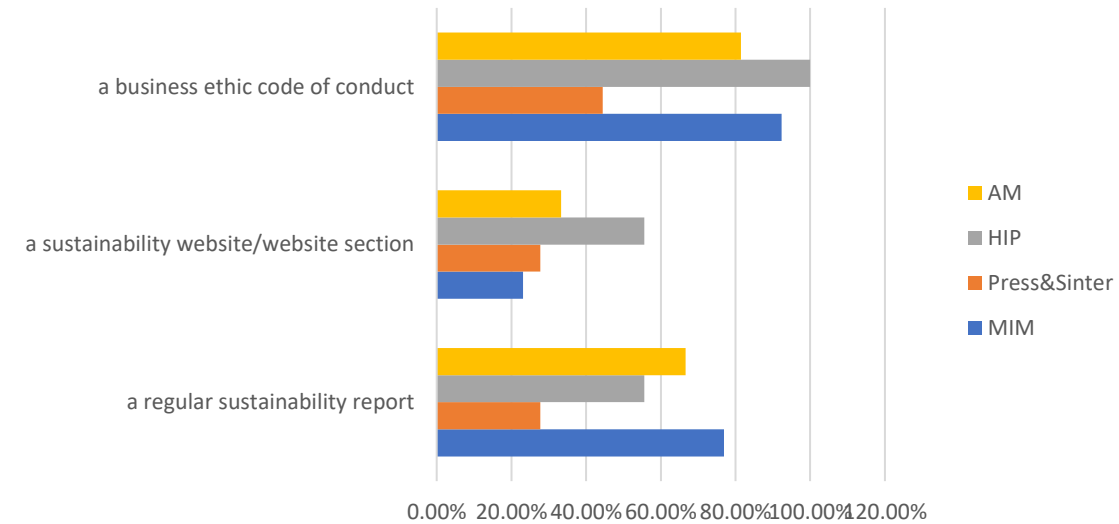
Expressions of interest and commitment can be addressed to EPMA (bv@epma.com)

Sustainability in EPMA Surveys

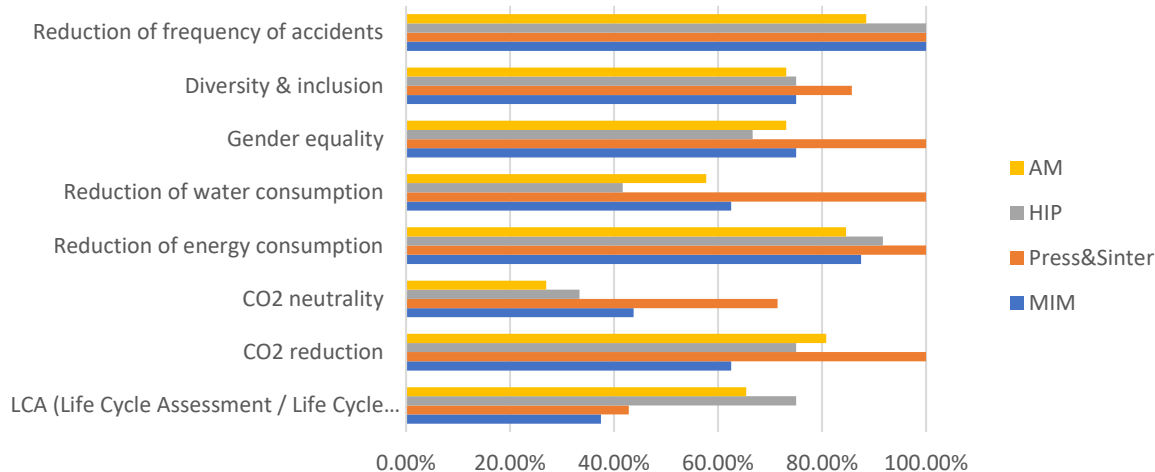
In usual surveys for the various sectors, we introduced this year two questions about the sustainability actions and targets among the companies.

- Not many companies are mentioning sustainability on their website, but many have specific regular reports
- Companies have targets for sustainability actions, although in some cases there is a trend towards sustainability without specific deadlines and targets
- Energy consumption is a strong driver (due to cost, especially after the surge of gas and electricity in the last year, and direct impact on CO₂ emissions)
- Larger companies (mainly P&S) show higher involvement
- Some companies already carry out LCA analyses

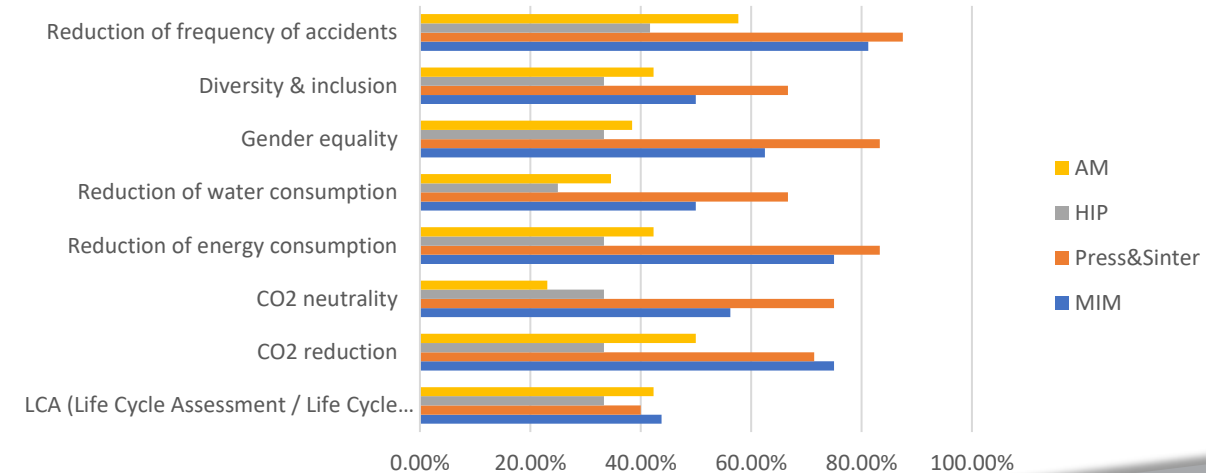
Does your company have



Does your company have a running action for



Does your company have a running target for



Statistics

Bruno Vicenzi
Member's Only

Statistics – Trend Survey – Benchmarking

- **Data collected (confidentially!)**

- Statistics on automotive, medical, aerospace (free data from internet)
- Statistics
 - Powder produced for Europe: Iron and Steel (including Stainless)*, Nonferrous (Copper, ...)
 - Production in Europe: P&S, MIM, AM, HIP, HM
- Trend surveys: P&S, MIM, AM, HIP
- How is the business, how will be the business, trends, main market ...
- Benchmarking surveys: linked to ISO 90001 and automotive sector

*Including a quarterly survey
for the largest producers

- **Data communicated**

- Statistics:
 - Free of charge to full members, sold to Associate & Individual (3,000€) non members (5,000€)
 - Presented at the General Assembly / Annual congress by president
- Trend Surveys :
 - Full file only to participants (names of companies not communicated, individual data not communicated)
 - An extract and an aggregated index are presented during this General Assembly and later in more detail in Sectoral Group meetings (usually at the annual congress)
- Benchmarking surveys: only to participants

- **Participation is of utmost importance to build the information on the status of PM in Europe, and to steer our activity!**