



Academia de
Engenharia

Brief Presentation of the Portuguese Academy of Engineering

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Academia de
Engenharia

The Academy in short (I)

- ☞ Foundation on 27 April 1995, with Headquarters in Lisbon
- ☞ **Motto - *Pro Hominis Dignitate Ingenium – Engineering at the Service of Human Dignity***
- ☞ Providing a first glimpse, the Academy of Engineering
 - ☞ promotes the excellence of Portuguese engineering
 - ☞ recognizes outstanding contributions through awards, namely – **the Career Award GALP Energy - Academia de Engenharia**
 - ☞ promotes international cooperation, mainly through Euro-CASE, but also with Academies from other parts of the World



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The Academy in short (II)

- ☞ **Membership (as of 30 March 2026, date of the General Meeting to vote on the Activities and Accounts Report)**
 - **Honorary Members (Colective) – 3**
 - **Effective Members (younger than 76) – 70**
 - **Emeritus Members (older than 75) – 68**
 - **Non Resident Members – 6**
 - **In Perpetuum – 66 Members**
- ☞ **In progress, voting of 25 new effective Members, 3 new Emeritus Members and 3 new Non Resident Members, to take place in a General Assembly in September/October 2026**



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Mission, Role & Mandate (I)

- ✓ **To contribute to the valorization of Engineering in Society and to encourage the development of research in its technical and scientific areas, especially in those that best enhance the progress of the country;**
- ✓ **To cooperate with the Ordem dos Engenheiros – Engineers Portugal in matters of mutual interest and, in particular, in those that concern the valorization and development of Engineering and the profession of Engineer;**
- ✓ **To promote cooperation in the field of Engineering in Portugal, in the European Union and in other countries, in order to ensure the concentration of efforts in solving societal problems and in the development of research for this purpose;**
- ✓ **Specially, to cooperate with Euro-Case (European Council of Academies of Applied Sciences, Technologies and Engineering), with the Lisbon Academy of Sciences and other similar academies;**



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Mission, Role & Mandate (II)

- ✓ To **advise Government bodies**, whenever requested by any of its departments or agencies, on matters of national importance relevant to Engineering;
- ✓ To serve the Country in other aspects related to important issues in the field of Engineering and Technology;
- ✓ To **recognize contributions of great merit** made to the country by personalities or institutions of exceptional prestige;
- ✓ To pursue any other appropriate **purposes consistent with the nature and tasks** of the institution.



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Core Activity and Expertise Areas

- ☞ **About Expertise** - Members of the Academy are high level professionals that cover essentially all major areas (really all areas) of engineering activities –
 - Advanced manufacturing, general industrial production, artificial intelligence in engineering, big data and digital technologies, energy, infrastructure and mobility, security and defense, as well as the aerospace and aeronautics sector... **You name it...**
- ☞ **As main activities**
 - Promotion of international cooperation, participating in Euro-CASE initiatives, international Societies and Technical Working Groups
 - Dissemination by the Members of relevant publications – authors and institutions outside the Academy, but also of the Members of the Academy - by e-mail, in the Bulletin and on the Site
 - Promotion of conferences and debates



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Contributions to and within Euro-CASE

- ☞ Priority to **cooperation within Euro-CASE** and with SAPEA
- ☞ Currently engaged in several Working Groups
 - **Impact and Regulation of AI** (in the recente past)
 - **Advanced Materials / Critical Raw Materials**
 - **PFAS - Per- and polyfluoroalkyl substances – Facing the PFAS Issues**
 - **Soils – related effects on ongoing climate changes**
 - **Innovation Platform III**
- Keen and looking forward to organizing the **Annual Conference 2027 in Porto**



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Cooperation with non-European Institutions (I)

- ☞ **With the Academy of Engineering, Mexico (AIM)**
 - **Two Members of our Academy that are Corresponding Members of AIM**
 - ✓ Humberto Varum, since 2018
 - ✓ Sebastião Feyo de Azevedo, since 2025
 - **Cooperation Convenium signed on 27 November 2025, in Mexico City**
 - **1st Strategic Forum - Portugal-Mexico Business Forum – 27-28 November 2025, Mexico City**
 - **2nd Strategic Forum - Portugal-Mexico Business and Academic Forum – 7-10 November 2026, Porto, Portugal**



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Cooperation with non-European Institutions (II)

☞ With the Academy of Engineering of China

- One Member of our Academy, Professor Carlos Guedes Soares, admitted as Member of the Chinese Academy of Engineering, 2025
- Two Members of our Academy received the prestigious **Chinese Government Friendship Award**
 - ✓ Carlos Guedes Soares, in 2024
 - ✓ Rodrigo Martins, in 2025
- **In progress** - Organization of a **Forum on Marine Technology and Ocean Engineering** – joint organization of the Portuguese and Chinese Academies, with full support from the Chinese Embassy, in Portugal – 2-3 September 2026, Lisbon



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Future Priorities & Collaboration Opportunities

- ☞ **Enlarge membership**
 - Always with **high level quality** of members
 - Increasing the number of **members from industry**, namely with top functions
 - **Lowering average age** of members – in 2023 – 67,8 years old; in 2024 – 64 years old; in 2026 – 62 years old
 - Converging to **gender equilibrium**
 - Enlarging representation of **areas of engineering**
 - Expand the **geographical coverage** of the Country
- ☞ Definitely, increase **cooperation with Industry**
- ☞ Definitely, increase **International Cooperation** – namely with **Euro-CASE**



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THAT'S ALL

**MANY THANKS FOR THE
ATTENTION YOU PAID TO THE PRESENTATION**