

# **Industry Association Pro-Fusion e.V.**

## **Introduction**

14.01.2025

Ulf Thiele  
on behalf of the Board members

# Why is a German fusion industry association important?

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## Reasons for the establishment of a German fusion industry association:

- Peculiarity of public perception of nuclear energy and technologies in Germany
- Strong and experienced supply chain in Germany, particularly due to W7-X and ITER
- Currently, energy production by means of fusion appears to be possible within industrial investment horizons
  - 4 Startups in Germany (3 are founding members)
  - Billions have been invested in fusion startups worldwide by venture capitalists
- Communication and discussion in Germany over the past 40 years has been conducted exclusively from a scientific perspective

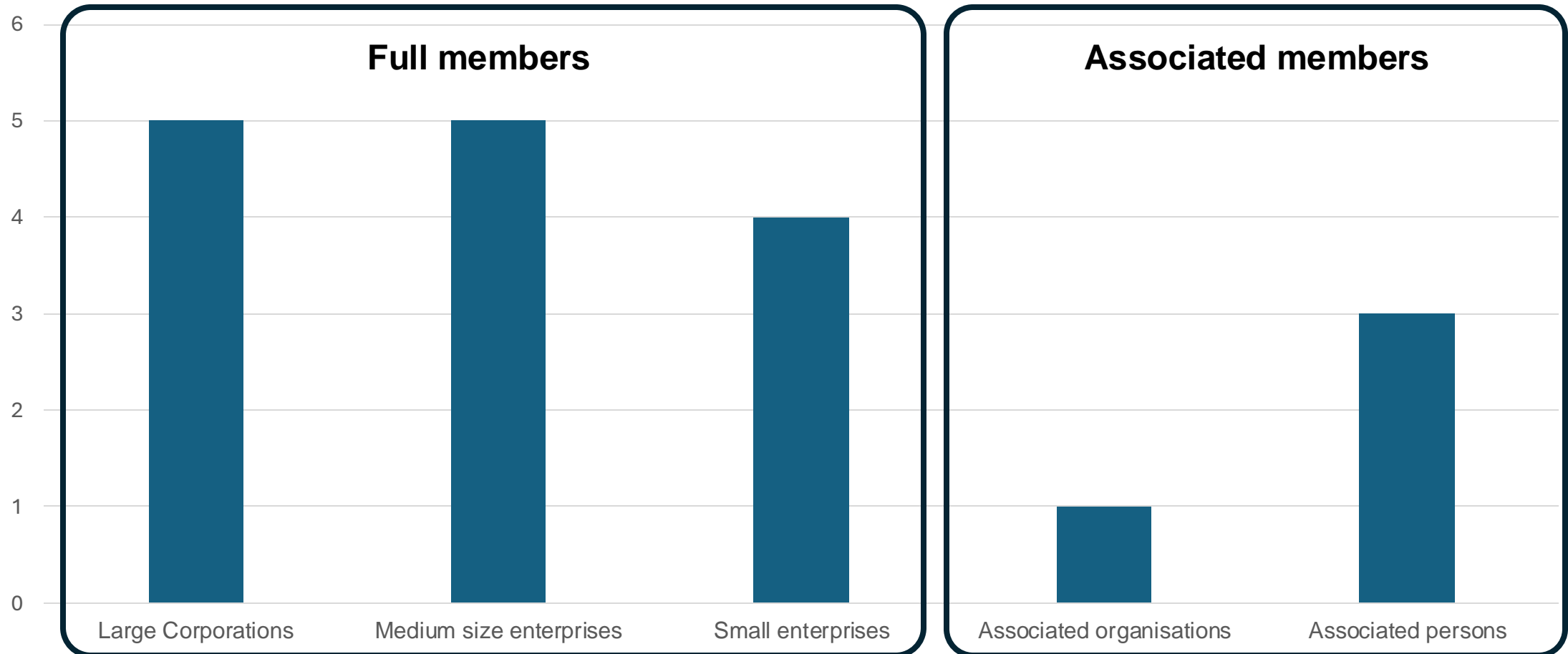
# Who can join Pro-Fusion e.V. and why should you do so?

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- *Industry association:*
  - Members (full): organization or company that provides or is considering providing commercial services relevant to fusion energy generation
  - Associated members (limited voting rights): natural or legal person or association of persons that promotes the objectives of the association and cannot become a member
- The association will support in:
  - ***Public opinion shaping:*** aims to shape public opinion on fusion energy in the long term.
  - ***Information hub regarding commercial fusion energy:*** wants to be the point of contact for politicians and the media on all fusion energy issues.
  - ***Networking and cooperation:*** wants to make a contribution to the further development and structuring of the economic fusion ecosystem.

# Even size distribution within our members base safeguards the representation of interests of all member size

## Membership structure after classes



# Specialist groups are implemented for balancing interests of different tiers of members.

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## Specialist groups (actual set, adjustment by general assembly if necessary)

- **Power plants:** Companies that design, plan, build and/or operate fusion power plants, e.g:
  - Start-ups, Energy supply companies, ...
- **Fusion components:** Companies that design, plan, build and supply components for fusion power plants, e.g:
  - Magnets, Lasers, Special components, ... (or parts/subsystems for this)
- **Fusion Technologies:** Companies that develop and sell or licence technologies for fusion power plants, e.g:
  - Breeding Blanket Technologies, Tritium Handling, Special Welding tools and Technologies, ...
- **Fusion Materials:** Companies that offer special materials in various processing states, e.g:
  - Fusion fuel, Special steel (e.g. low Co content, ...), First-wall material, ...
- **Specialised service provider:** Service providers in the fusion environment, e.g:
  - Process organisation and governance, QM/QA, Specialised know-how, ...

# All members should select one specialist group (but can be involved in all others, if wanted)

Full members and ass. Organizations, nat. persons not shown:

*Fusion components*

*Fusion Powerplants*



*Fusion Techn.*



Ass. Member:



*Fusion Materials*



# The association is controlled by all members!

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## Association control: Cornerstones from the articles of associations

- Each full member has the same voting right (except associated members); no special rights for founding members
- Specialist groups are intended to balance out the particular interests of similar members vis-à-vis other members
- Specialist groups are decided and erected upon members general assembly decision
- Each Specialist group should be represented in the board by at least one member (balance of power)
- The honorary Board is controlled by the members general assembly, the Board co-optates and controls the (paid) executive Board member



**The members define and control all aspects  
of operations of the association!**

# The board members are setting up the association and get it running.

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## Elected honorary board members (for 1<sup>st</sup> year):



Heike Freund

- Marvel Fusion
- *Fusion Powerplants*



Markus Kind

- Rolf Kind GmbH
- *Fusion Materials*



Ulli Kraft

- FILO Germany
- *Associated Members*



Ulf Thiele (Speaker)

- Thiele T. & M. GmbH
- *Specialized services*



Hannes Vogel

- Proxima Fusion
- *Fusion Powerplants*



Wolfgang Walter

- Bilfinger
- *Fusion Components*



# The honorary board is working to build a strong industry association Pro-Fusion e.V.

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## Actual activities I:

- Board retreat of the board members @TritiumLaboratory at  our 1<sup>st</sup> ass.-org. member!  
KIT  
Karlsruher Institut für Technologie



# The honorary board is working to build a strong industry association Pro-Fusion e.V.

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## Actual activities II:

- Whitepapers (in work)
  - Significance of fusion for Germany as a business location (including jobs, value chain)
  - Necessity of a regulatory framework for fusion with differences between fusion and fission
  - Role of fusion in the energy mix of the future (including timescale, use cases, security of supply)
  - Global developments in fusion
  - Remaining Challenges in Fusion/ Where do we really stand?
- Networking and cooperation with national and international fusion stakeholder organizations
  - Fusion Industry Association
  - Fusion.Europe, the European Fusion Business Association (former working title EUFBA)
  - Ineustar (Spanish Association of the Science Industry)
  - Research Organizations (esp. KIT)
  - Forum für Zukunftsenergie
  - Evaluate the cooperation with other german industry associations
  - ...

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## Actual activities III:

- Internet and social media presence
- Broaden membership base
  - Members are requested to contact friendly companies
  - Board members will contact other candidates
- Establish a Pro-Fusion office
  - Plan floor space requirements
  - Look for cooperation partners
- Business plan
  - Establish Plan P&L and Plan balance sheet as well as liquidity plan
- Hiring process for managing board member (CEO)
- Prepare General assembly meeting (in early summer)
- ...

# You should apply for membership asap to strengthen the German voice for fusion energy!

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How to get information and apply for membership:

- Visit: [www.pro-fusion.org](http://www.pro-fusion.org)
- Request information per Mail via: [info@pro-fusion.org](mailto:info@pro-fusion.org)
- Contact any of the board members, most of them are around:



**Heike Freund**

- COO Marvel Fusion
- *Fusion Powerplants*



**Markus Kind**

- CEO Rolf Kind GmbH
- *Fusion Materials*




**Ulli Kraft**

- FILO Germany
- *Associated Members*



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- Proxima Fusion
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**Wolfgang Walter**

- Bilfinger
- *Fusion Components*

## Contact:



**Pro-Fusion e.V.**  
Zietenstr. 21A  
12249 Berlin

**Dr. Ulf Thiele**  
Speaker of the Board  
Tel.: +49 (0) 170 4745889  
[ulf.thiele@pro-fusion.org](mailto:ulf.thiele@pro-fusion.org)