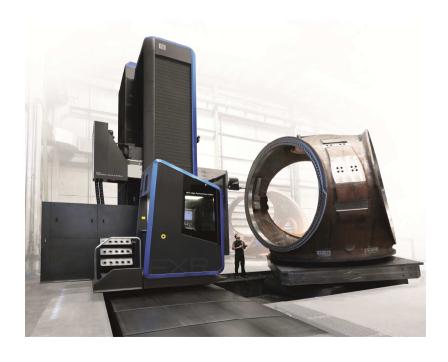
Mikel Artola International Director, AFM







- Machine Tool Builders and Advanced Manufacturing Technologies Association of Spain (machines, parts and tools)
- Founded in 1946, first industrial association in the country
- Huge geografical concentration: around 75% of production in Basque Country
- Advanced Manufacturing Technologies Cluster of the Basque Country















- •Turnover: 1.496 million euros
- •Employment: 7.300 direct + 7.300 indirect
- •Export: 79% (89% in machines). Main markets: Germany, China, Mexico, Portugal, Italy, USA.
- •3rd biggest producer in EU (just behind Germany and Italy), and 9th in the world.
- •Ability to adapt ourselves to specific needs, and to personalize for each sector and application.
- •Specialists in big dimension machines, high performance and precision.
- •Highly skilled personnel, giving top priority to formation.







- 23 people
- Services in Internationalization, Technology, Marketing and Communication, People, Lobby/Institutionals Relations
- Officce in Tianjin-China since 2003
- Presidence of the Machine-Tool Institute
- Members of CECIMO , ECTA y CEO
- Co-organizers of BIEMH since 1961 con BEC Bilbao Exhibition Centre
- Organizers of the Advanced Manufacturing and Machine Tool Congress since 1976

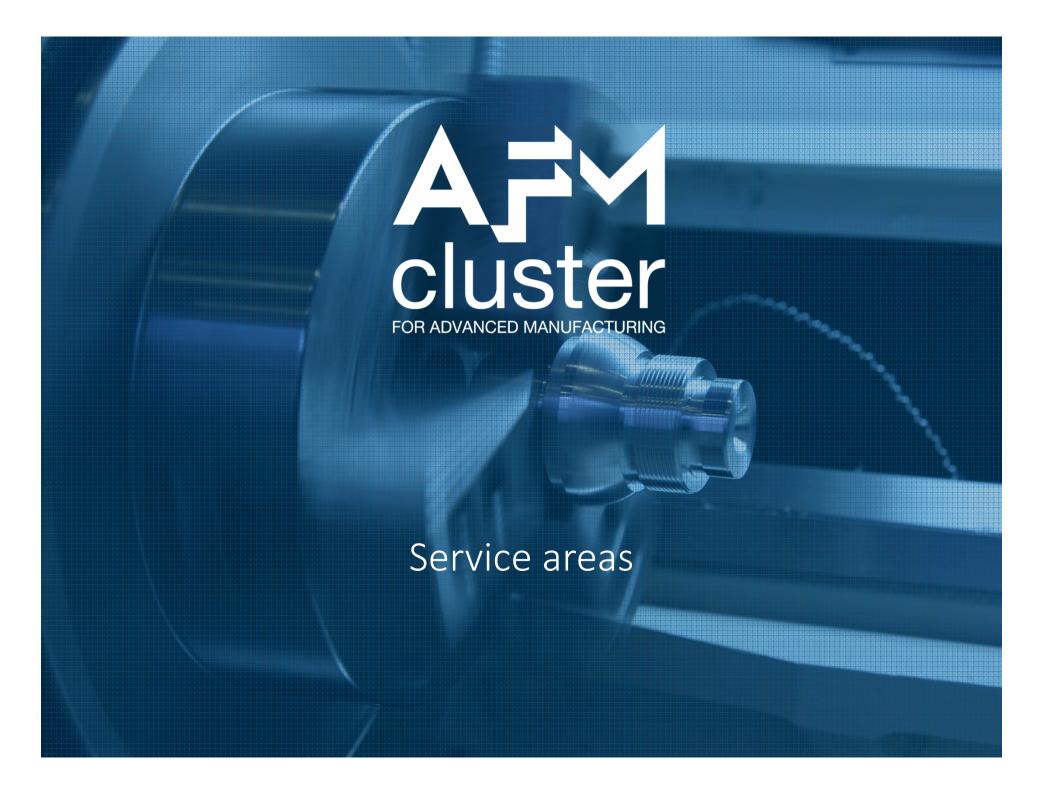




Co-organizers of BIEMH since 1961 con BEC - Bilbao Exhibition Centre Bilbao, 28 May - 1 June 2018



Organizers of the Advanced Manufacturing and Machine-Tools Congress since 1976 San Sebastián, 25 - 27 October 2017





## INTERNATIONALIZATION

- Long experience
- To reach to all the associated base and to move along the international management
- Tools:
  - Worldwide promotional activities
  - Competitive Intelligence
  - Standard vs. Personalized



# MARKETING & COMMUNICATION

- Not high but developing brand environment
- To increase industry, association and companies' notoriety
- Tools:
  - Own catalogues and publications
  - Advertising and Press
  - Advice and Events Organization



# **TECHNOLOGY**

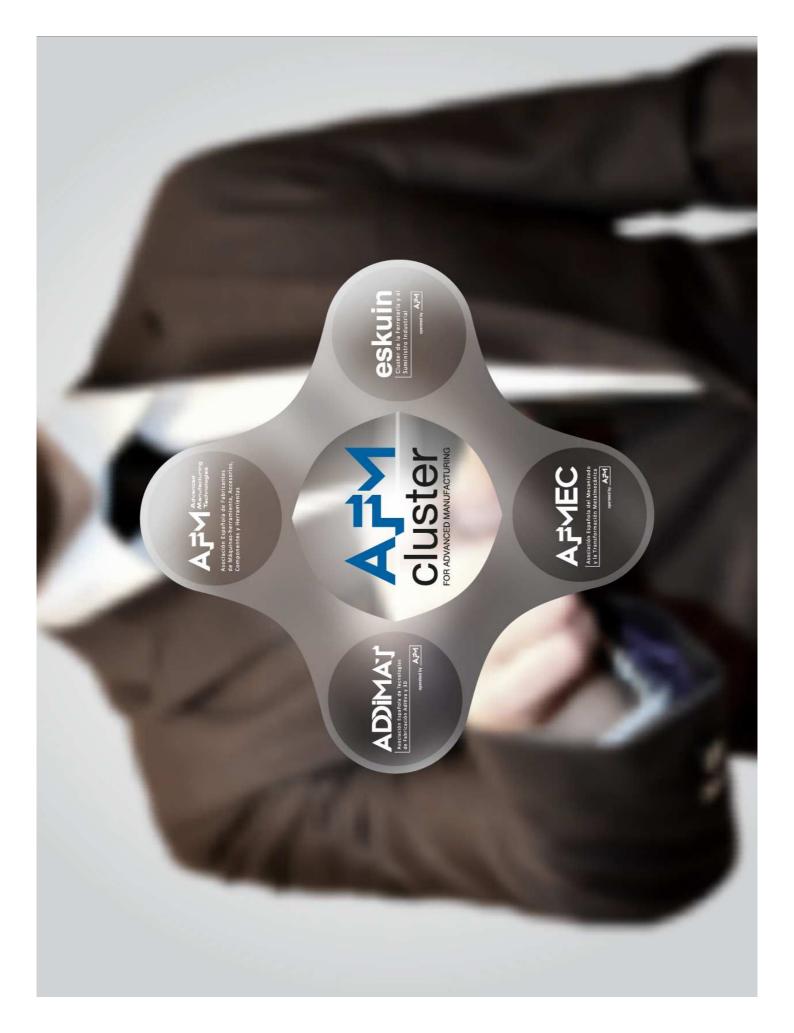
- Strong background and high requirement
- To boost cooperation
- Tools:
  - Expertise in R&D&i projects leadership
  - Technology promotion
  - Industrial management



## HUMAN CAPITAL

- Knowledge sector
- Attract, train and keep talent
- Tools:
  - Sector-based training
  - Coordination between entities
  - Young people





Manufacturing Technologies Advanced

Machine Tool, Accessories, Component Parts and Tools Manufacturers' Association of Spain

Technologies Association of Spain Additive & 3D Manufacturing

operated by

Hardware and Industria Supply Cluster

operated by

Mechanical Engineering Association AFI

operated by \_



FOUNDED IN 1946, 70 YEARS

122 ASOCIATES

7.700 EMPLOYEES | 1,500 M€ TURNOVER

3ER PRODUCER AND EXPORTER IN EU, 9TH IN THE WORLD

WE EXPORT 80% FROM OUR PRODUCTION

www.afm.es

# ADIMAT Operated by AFM

FOUNDED IN 2014

59 ASSOCIATES

60 M€ TURNOVER (estimated)

ASSOCIATES PROFILE: FABRICANTS, USERS, DISTRIBUTORS AND IMPORTERS, CCTTS, UNIVERSITIES AND EDUCATIONAL **CENTERS** 

www.addimat.es

# eskuin AFM

FOUNDED IN 1977, 40 YEARS

23 ASSOCIATES

2.000 EMPLOYEES

329 M€ TURNOVER

WE EXPORT 50% FROM OUR PRODUCTION

www.eskuin.com

# AFM EC Operated by AFM



FOUNDED IN JUNE 2016

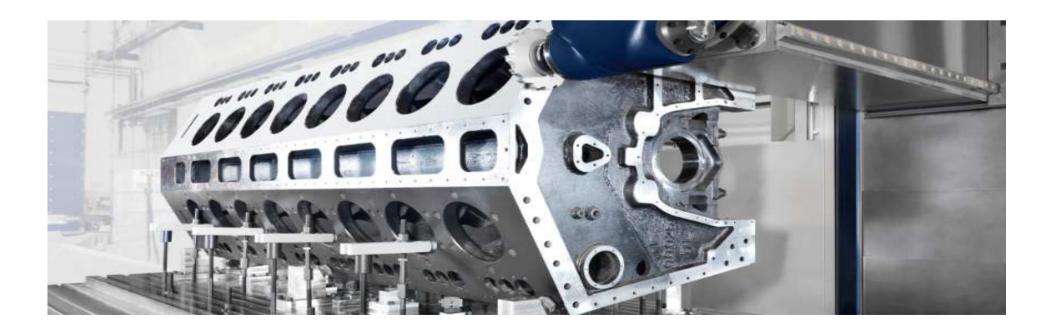
**180 ASSOCIATES** 

www.afmec.es





- Manufacturing related organizations (Core Business)
- Research Institutes (IK-4, Tecnalia...)
- Academia University related departments are working close to our members
- Training Institutes (IMH, Asmaola...)
- Service related organizations: consultancy, engineering, banking, suppliers...

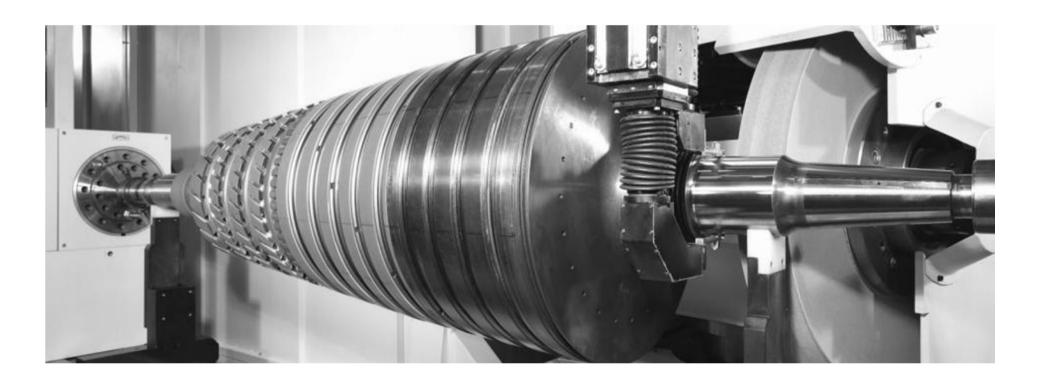


#### **AFM Main Interests:**

- •Build new R&d projects involving Industry and cooperating among them and with Research Organisations
- Promote Technology Foresight Activities
- •Promote involvement of Young-learners into industry; training activities from School towards Manufacturing Industry
- •Promote innovation in High TRL Levels



•AFM is promoting a New Eureka Cluster arroung Manufacturing







# Advanced Manufacturing Cluster Roadmap



**AFM Cluster** 

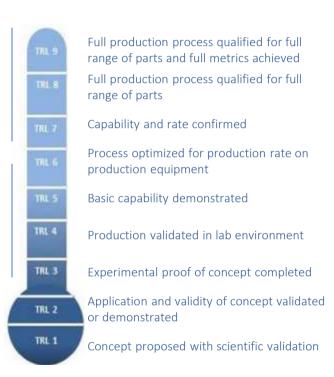
#### Mission

To propose, develop and implement a strategy based on Research and Innovation, capable of speeding up the rate of industrial transformation to high-added-value products, processes and services, securing high-skills employment and winning a major share of world Manufacturing output in the future knowledge-driven economy.

**MANUFUTURE** 

#### Objectives

- Competitiveness in manufacturing industries
- Leadership in manufacturing technologies
- Eco-efficient products and manufacturing
- Leadership in products and processes, as well as in cultural, ethical and social values





# Advanced Manufacturing Cluster Roadmap

#### **MISSION**

Upgrading and sustaining the competitiveness of the European Manufacturing Industry with close to market innovation projects to provide new products, services or processes, making European Industry world leader in Manufacturing.

#### **STRATEGY**

- 1. Promote the fulfilment of ambitious R&D projects focusing on chosen enabling technologies
- 2. Promote effective cooperation among Manufacturing companies
- 3. Emphasis on Demonstration Projects close to market with real solutions for the end user including technology based Advanced Manufacturing start-ups and pilot-scale plants.
- 4. Involving big companies who actively bring SMEs to this ecosystem.
- 5. Stronger inter-Cluster initiatives
- 6. Reinforced external cooperation: within ERA R&D programmes and initiatives



# Advanced Manufacturing Cluster Roadmap



### Scope of action

Advanced Manufacturing Processes

Smart Manufacturing Systems

Person-Machine Collaboration

Sustainable Manufacturing

#### Sectors

Automotive

Aeronautics

Energy generation

Railway

Capital goods

THANK YOU!

