

The Spanish Science Industry

Dr. Erik Fernández (INEUSTAR)

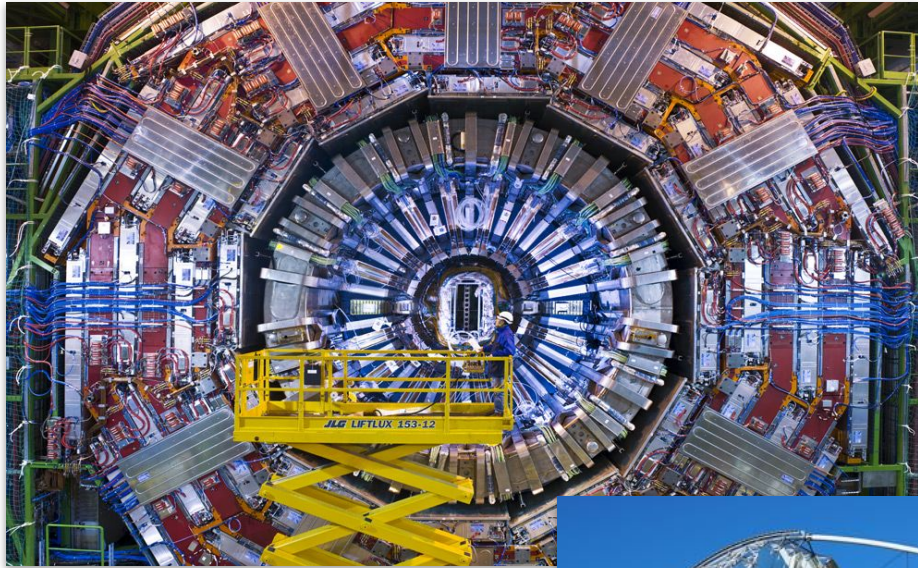
ELI – Iberian Information Day – Part II

2021/11/12

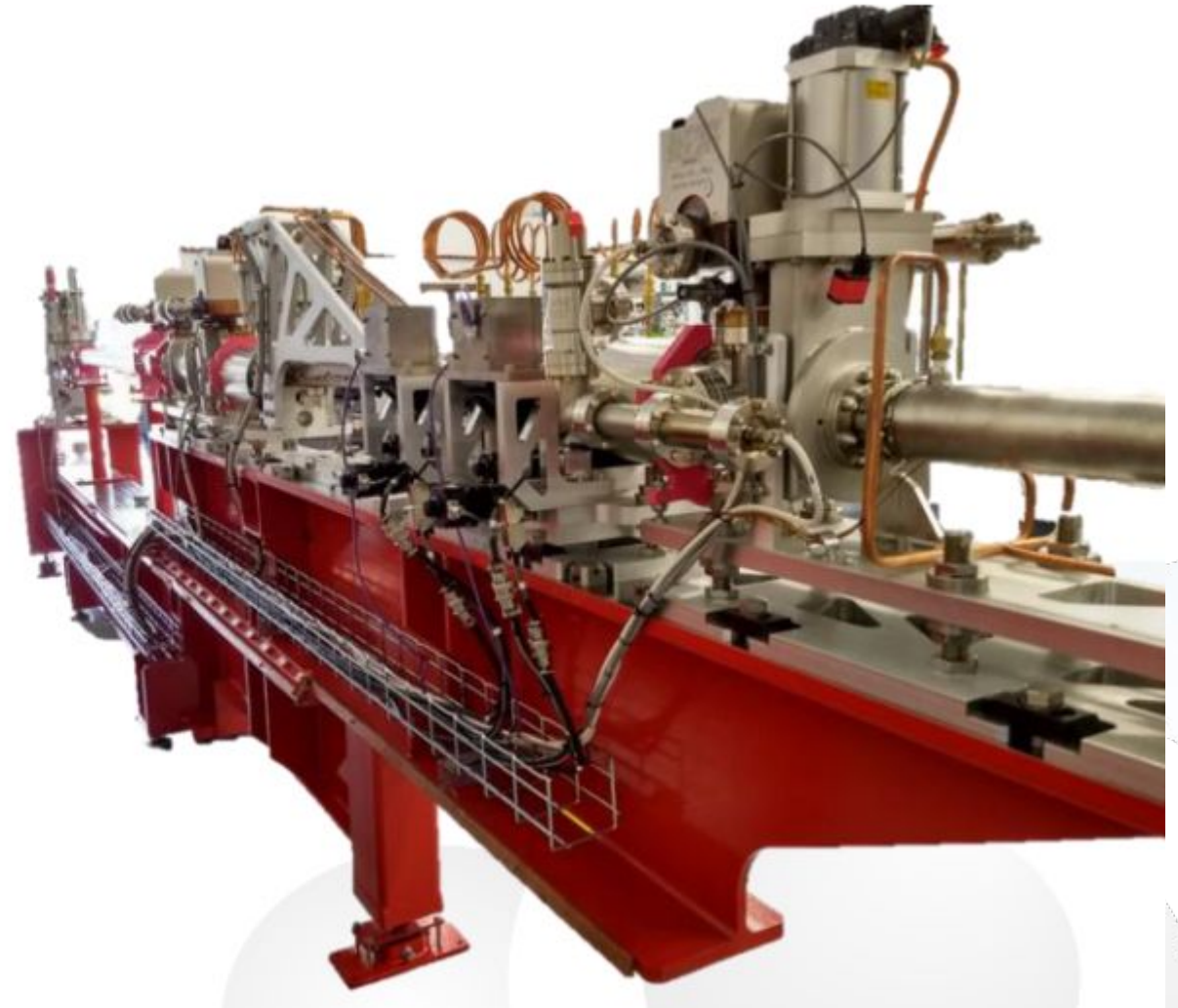
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ineustar
Asociación Española de la Industria de la Ciencia



- In the Edge of the Technology
- Public-Private Collaboration
- High Added Value
- Mostly International (>90 %)
- Highly Competitive



Some Spanish Companies working in Science Industry

CATALOGUE: Spanish Capacities in Large Scientific Facilities



Ecosistema: Generadores de Ciencia



POLITÉCNICA

IFN
Instituto de Fusión Nuclear



Universidad de Huelva



UNIVERSITAT DE VALÈNCIA



Universidad del País Vasco Euskal Herriko Unibertsitatea



UNIVERSIDAD COMPLUTENSE MADRID



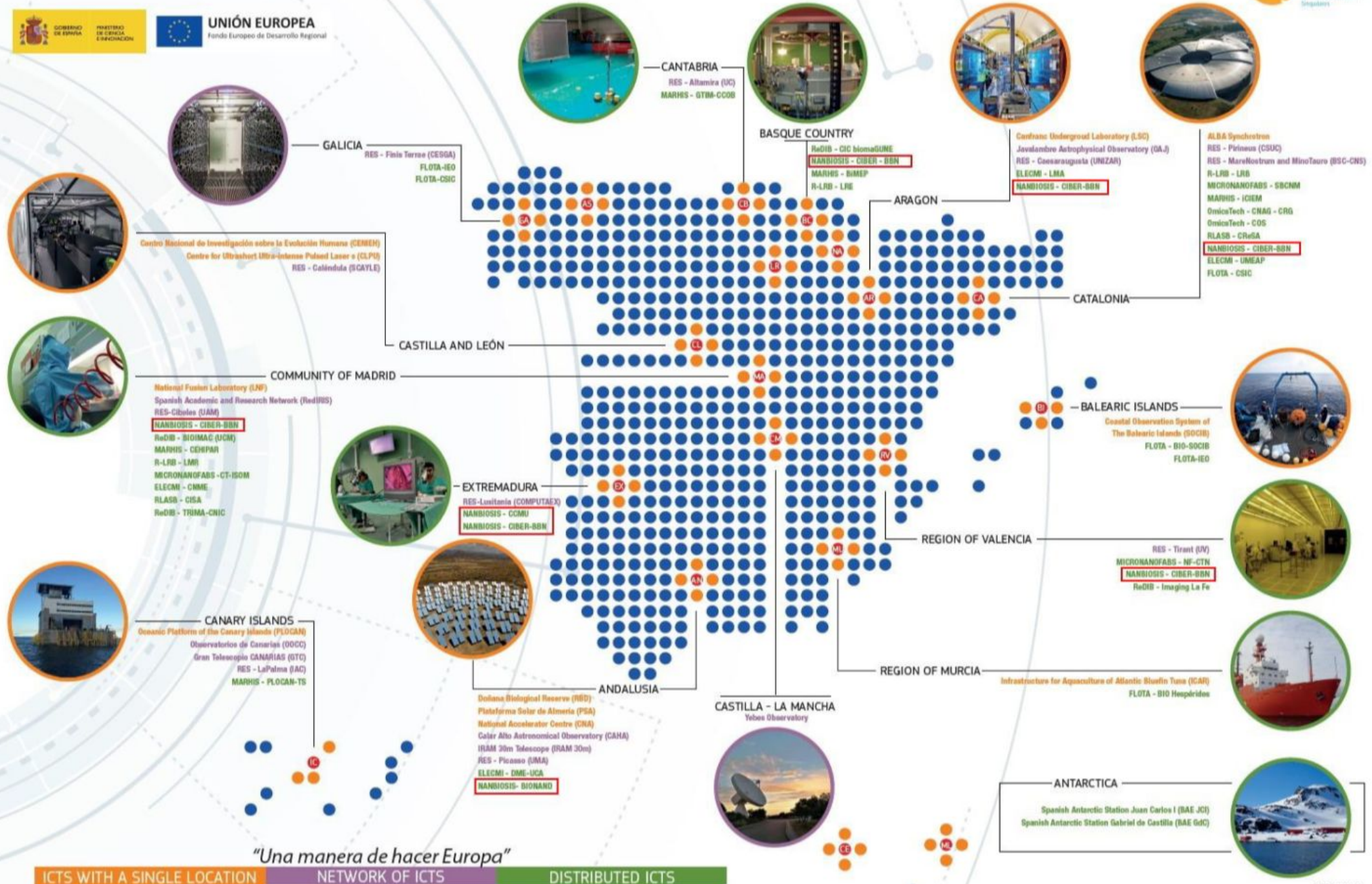
MAP OF UNIQUE SCIENTIFIC AND TECHNICAL INFRASTRUCTURES



Map of



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Sociedad de la Industria de la Ciencia



"Una manera de hacer Europa"

ICTS WITH A SINGLE LOCATION NETWORK OF ICTS DISTRIBUTED ICTS

Our goal is to help to:

Increase economic impact

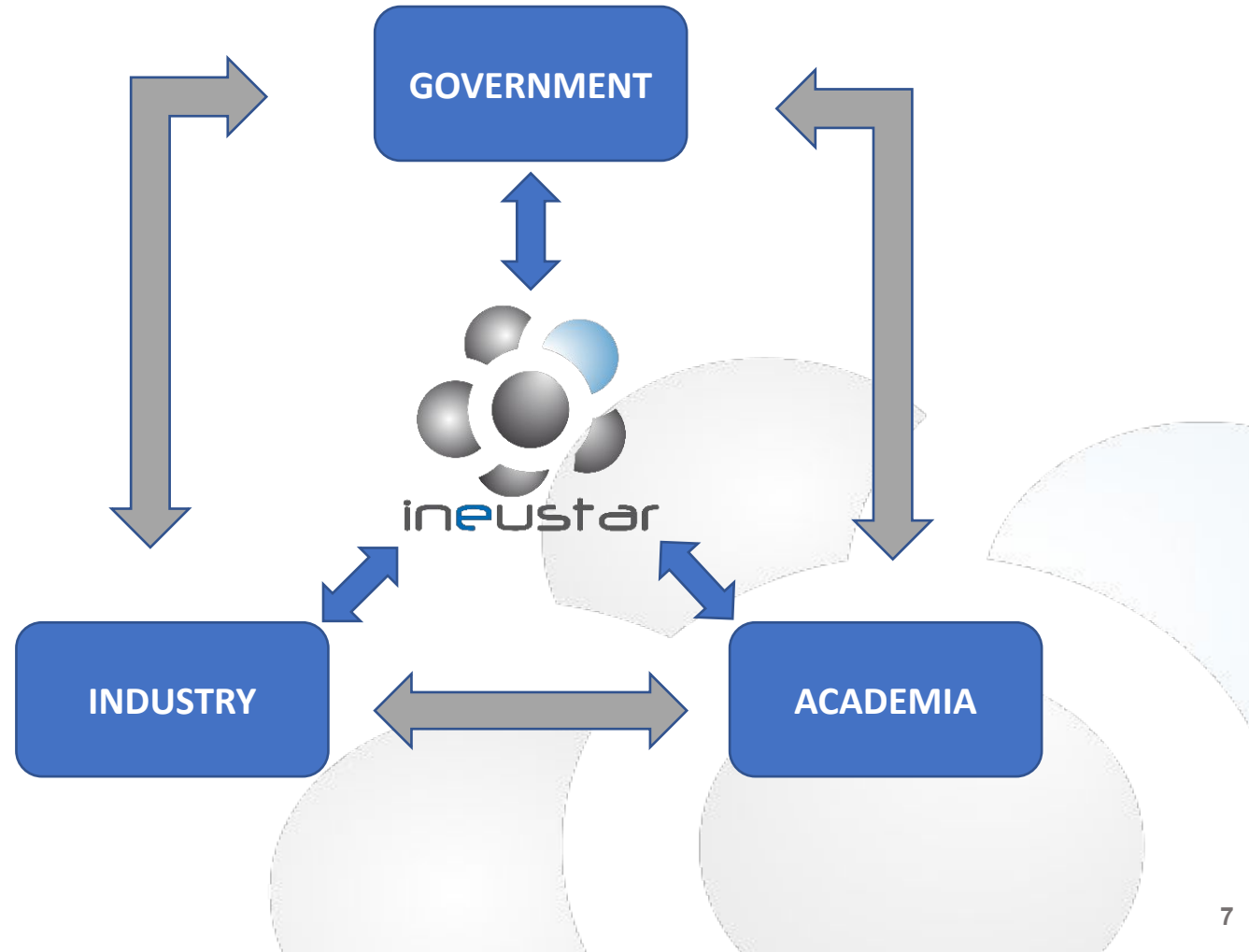
Boost technology transfer

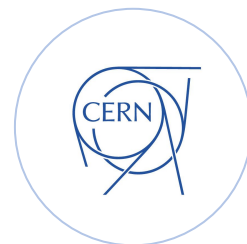
Teaching and Training

Dissemination

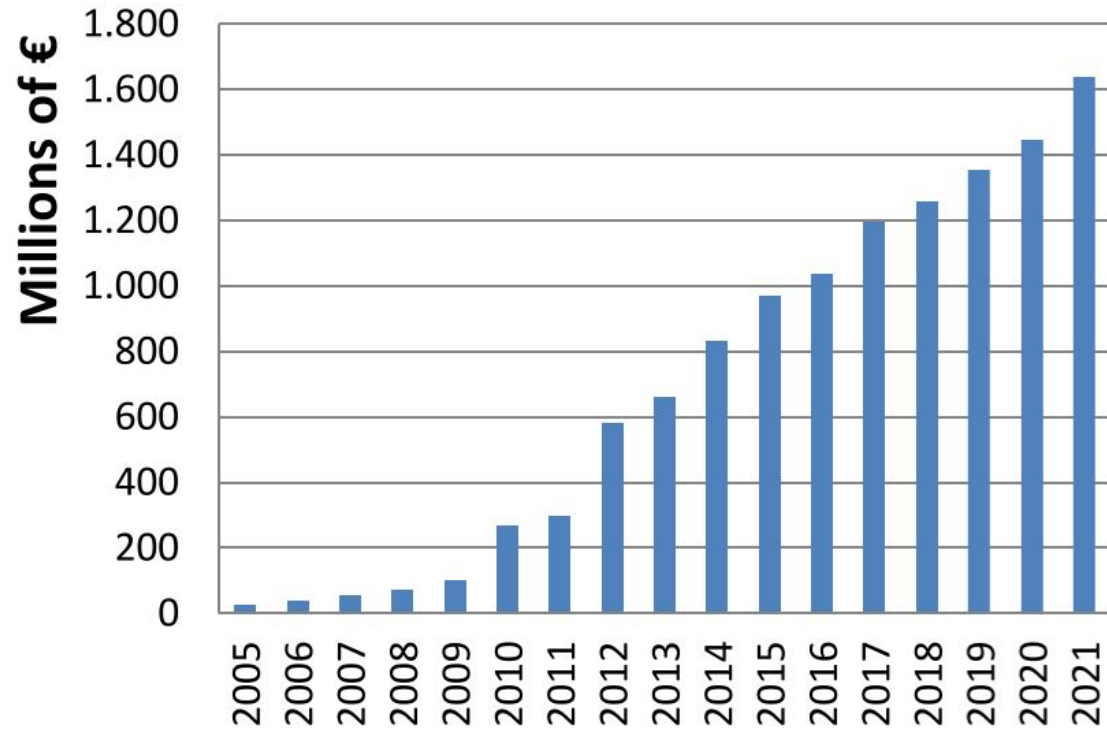
Boost of R&D promotion

New activities attraction





Accumulated industrial Return in Large Scientific Facilities - Astronomy, Particle Physics and Fusion



RETURN ON INVESTMENT OF THE PARTICIPATION TO ESS, LUND. CONTRACTS AWARDED TO SPANISH INDUSTRY

| COMPANY | DESCRIPTION | VALUE € | |
|--------------|--------------------|---|--------------------|
| 2022 | AVS | Small-K Advanced Diffractometer SKADI | 1.100.000 |
| 2021 | Jema Energy | High Beta Klystron Modulators | 5.425.070 |
| | Nortemecánica S.A. | Light Shutter System (LSS) Frames | 384.700 |
| 2020 | Asturfeito | Inneer shielding - Part 4th | 1.590.000 |
| | Nortemecánica S.A. | Inneer Shielding for ESS's Target Station - Part 5th | 298.750 |
| | Pacadar | First common shielding manufacturing | 3.915.860 |
| | AVS | LoKI Detector Vacuum Vessel | 385.491 |
| | Equipos Nucleares | Monolith Portblock Package | 5.987.972 |
| 2019 | AVS | LoKI Collimator Vessel | 278.412 |
| | Nortemecánica S.A. | Concerning provision of raw material and manufacturing of the In-Bunker Baseplates | 127.750 |
| | AVS | Carrier for ESTIA selene guide | 508.100 |
| | Asturfeito | Inneer shielding - Part 2 and 3 | 4.845.000 |
| | AVS | Bifrost Spectrometer Vessel and Motion System | 701.854 |
| | Fundación Tekniker | Remote Clamp | 238.411 |
| 2018 | Jema Energy | Supply agreement of the design, fabrication and delivery of 9 660k VA Klystron Modulators | 9.155.193 |
| | Thune Eureka S.A. | Ground shielding and vessel support | 280.100 |
| | Asturfeito | Inneer Shielding 1st Part | 640.000 |
| TOTAL | | | 35.860.663€ |

Referencias

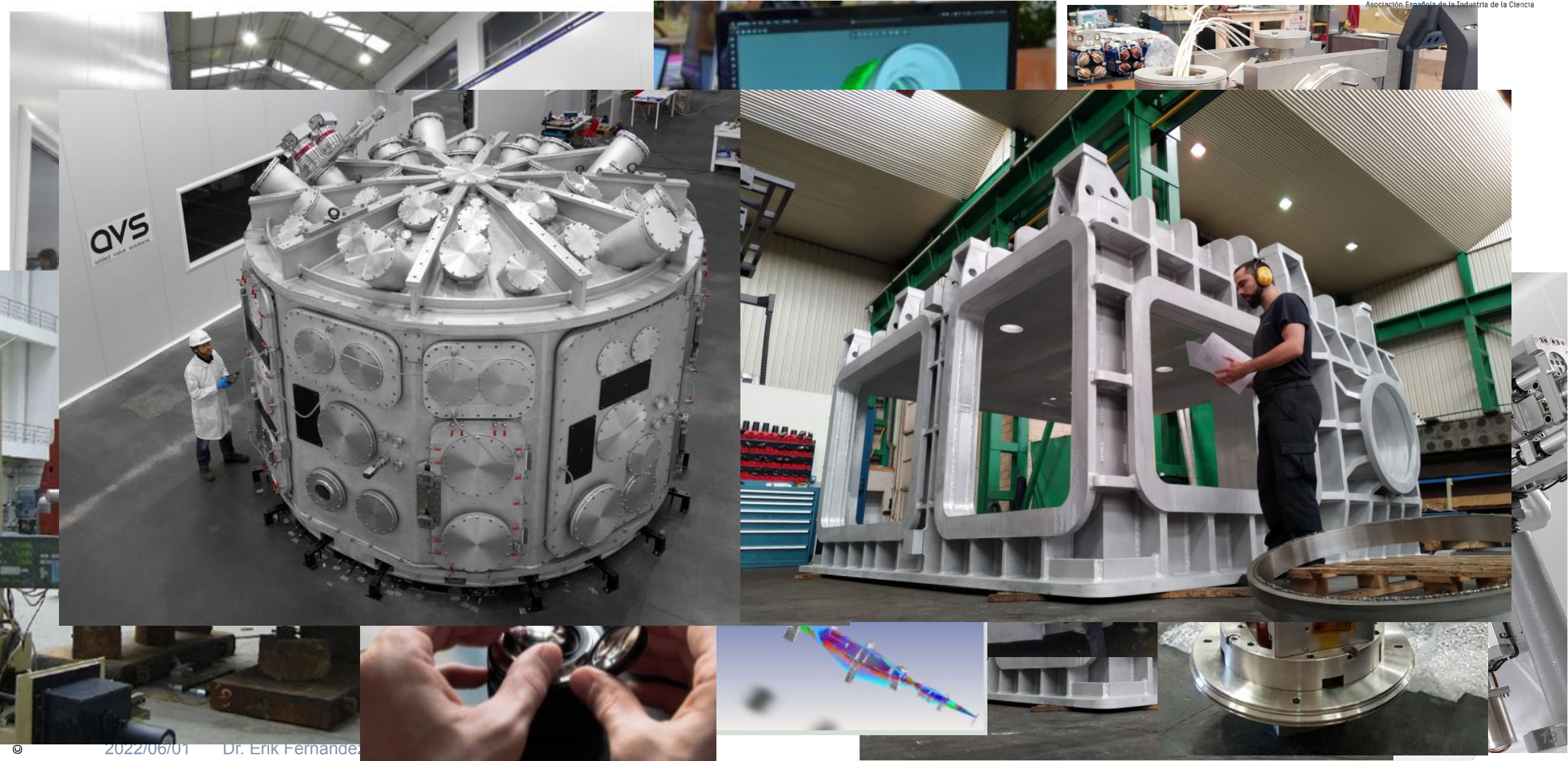


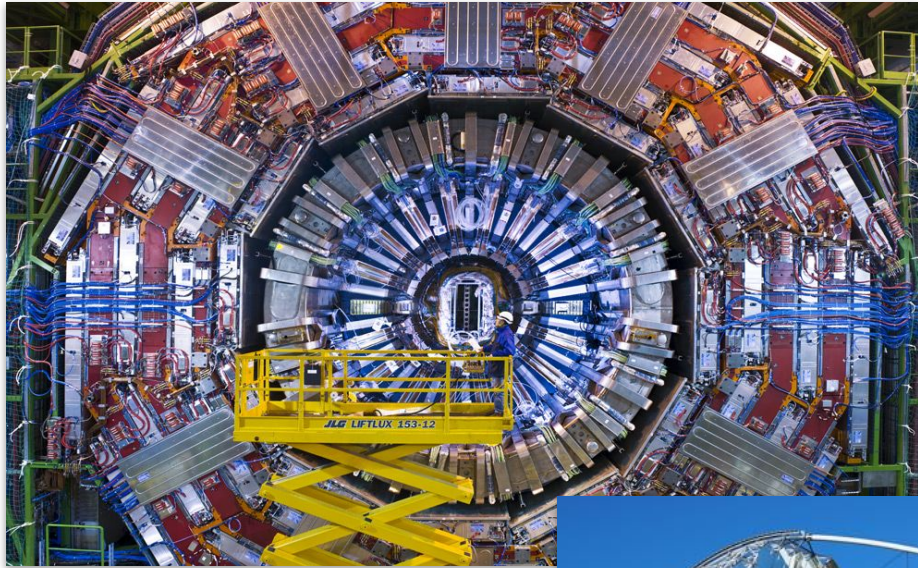


Few examples of highly technological systems developed by Spanish companies



Few examples of highly technological systems developed by Spanish companies





- **Laser based research is growing every year in Science Industry**
- **Knowledge & Technology Transfer in this field will have special impact in the coming years**
- **Spanish industry is far from being strong in this field. But has the capability and interest**
- **Collaboration from early stages is a key for success**

**THANK YOU
FOR YOUR ATTENTION !**

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