



Digital Innovation Hub in Artificial Intelligence & Robotics for Sustainable Development Goals



POLITÉCNICA

UNIVERSIDAD
POLITÉCNICA
DE MADRID

accenture
High performance. Delivered.

MADRID

Cámara
Madrid



CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

ESCP
EUROPE
BUSINESS SCHOOL



FundingBox

ceim
CONFEDERACIÓN
EMPRESARIAL
DE MADRID
CETM



CENTRO DE AUTOMÁTICA Y ROBÓTICA



POLITÉCNICA

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CENTRE FOR AUTOMATION AND ROBOTICS

CAR UPM-CSIC

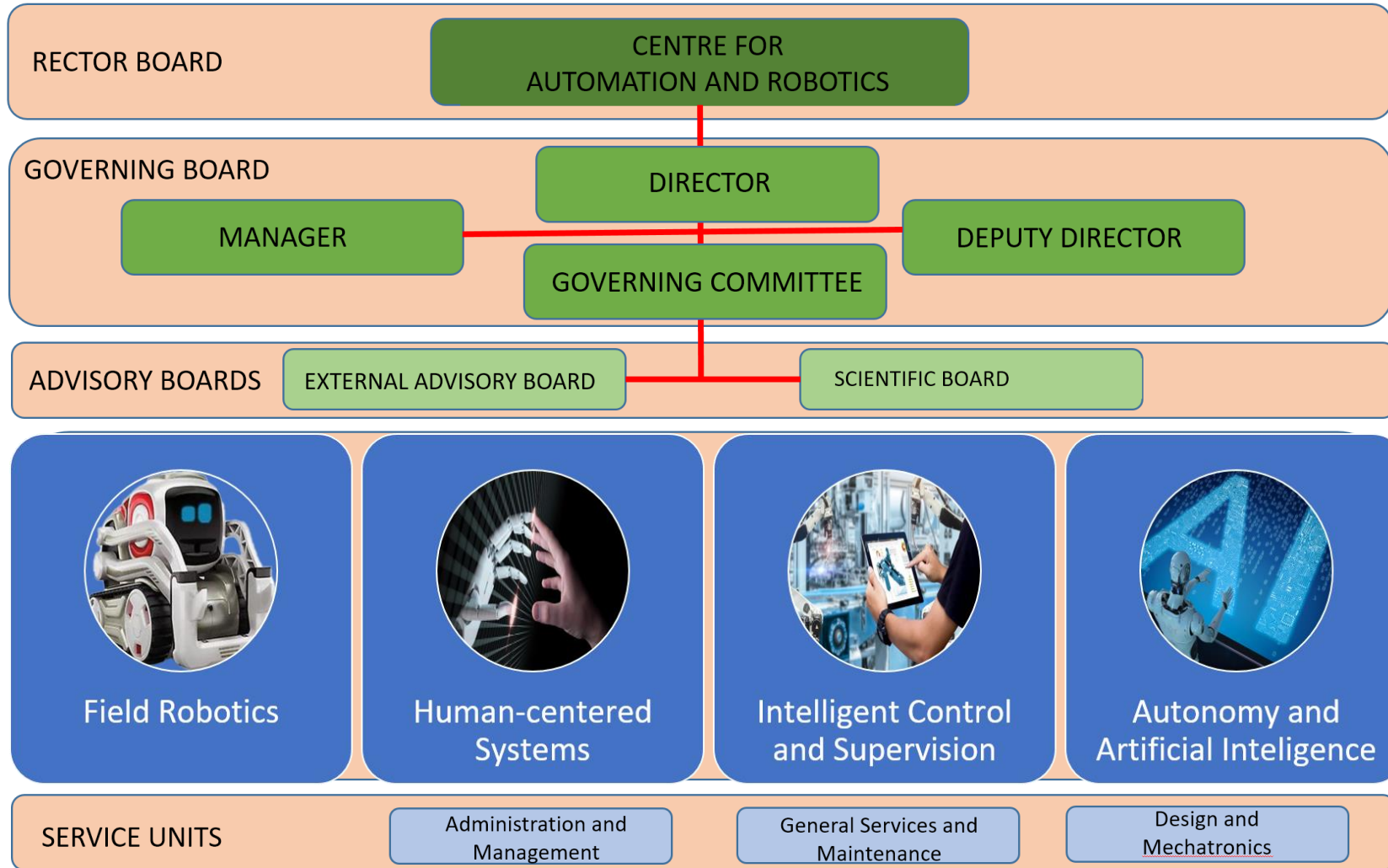
- * Joint center from UPM and CSIC, from 2010
- * Lines of research:
 - * Automatic Control
 - * Robotics, and
 - * Artificial Perception



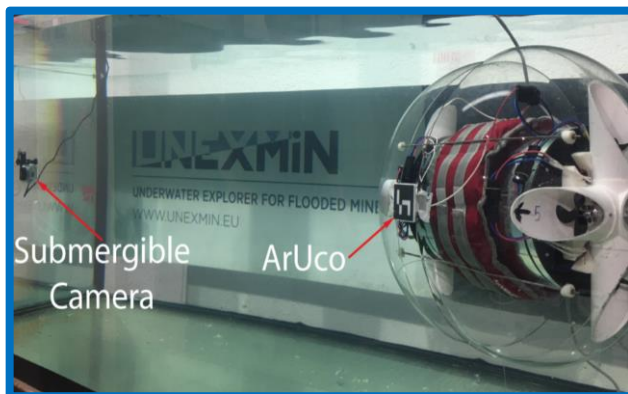
- * Locations:
 - * UPM ETS Ing. Industriales, in Madrid
 - * CSIC Arganda del Rey



CAR UPM-CSIC



Special Infrastructures (I)



More facilities:

- Mechatronics workshop.

Special Infrastructures (II)



Greenhouses of IMIDRA*. Collaboration in several projects

La Poveda Experimental Farm (CSIC) – 60 ha - Staff specialised in setting up and maintaining agricultural experiments

Centre for Automation and Robotics (CAR)



Own vineyard



* Madrid Institute for Rural, Agricultural and Food Research and Development

Personnel 2023

- * Research personnel (staff)

- * 45 (23 CSIC, 22 UPM)

- * 3 Service units (20 persons)

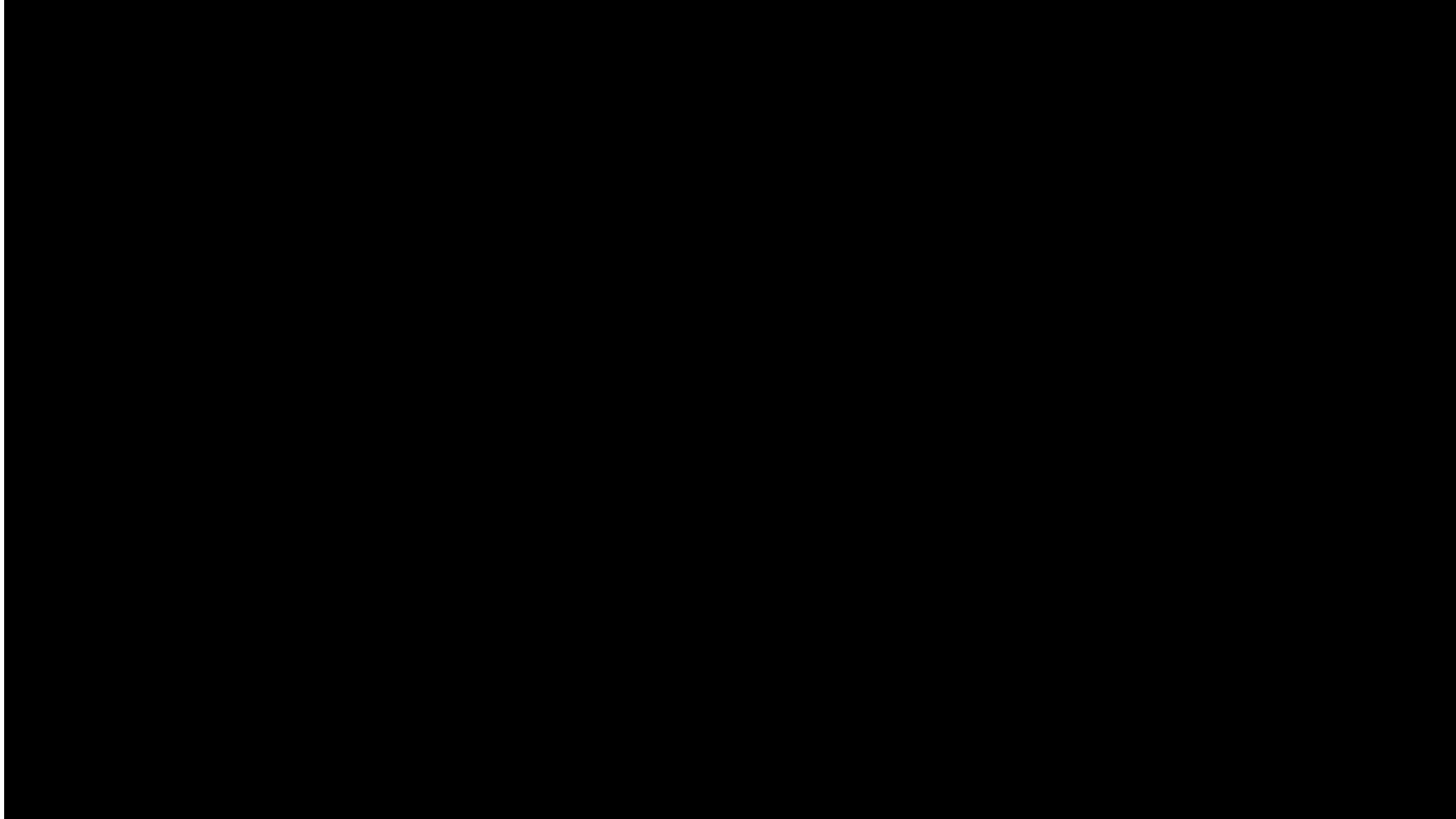
- * Contracted researchers 72

Total ~110 researchers

Actual facts&figures: 2023

	Total	Current funding *
National projects	39	5.358.311,26 €
European projects	13	5.183.293,59 €
Research contracts	19	2.051.807,85 €
	71	12.593.412,70 €

Centro de Automática y Robótica



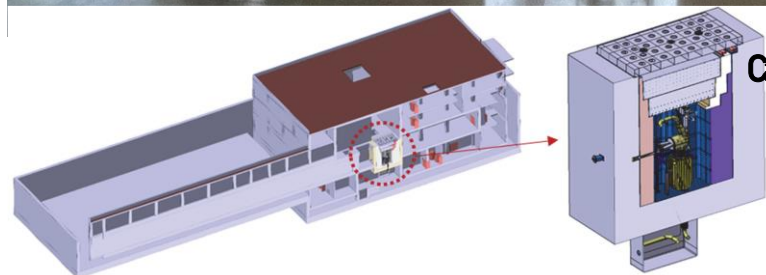
Casos de éxito I



“Desarrollo, validación y optimización de prototipo de posicionamiento remoto de bloques masivos de hormigón” (DONES-NEXT)

IFMIF-DONES es una instalación científica para operar una fuente de neutrones destinada a cualificar los materiales que se usarán en los futuros reactores de fusión

Proyecto convocatoria misiones del CDTI



Cámara de ensayo

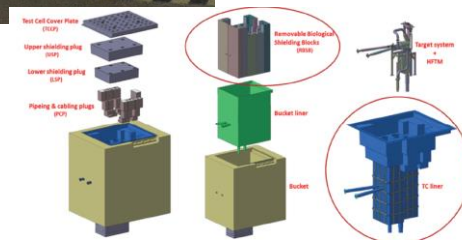


Ilustración 2 Concepto mantenedor de la Test Cell de IFMIF-DONES

Casos de éxito II



FLEXIGROBOTS





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