



DIH4CAT

Catalonia European Digital Innovation Hub



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DIH4CAT - <https://dih4cat.cat/en/>

- Catalonia European Digital Innovation Hub since 2022
- Multiple independent nodes collectively synchronized



DIH4CAT tech areas - <https://dih4cat.cat/en/services/>

AI



Supercomputing



Cybersecurity



Smart connectivity



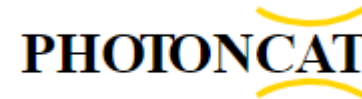
Additive manufacturing and 3D printing



Advanced manufacturing and robotics



Photonics



Transversal services



DIH4CAT & i2CAT - <https://dih4cat.cat/en/ambit/smart-connectivity/>

Smart connectivity



- Economic sectors:
 - Telecommunications
 - Mobility
 - Energy and utilities
 - Manufacturing
 - Agriculture and food

Main tech:

- 5G and IoT
- Blockchain
- Distributed artificial intelligence
- AI-driven systems

Infrastructure:

- Urban laboratory at 22@
- AI4Cyber laboratories
- RV lab and holopresence

DIH4CAT services - <https://dih4cat.cat/en/>

- Flagship services:
 - Consultation
 - Digital maturity assessment
 - Concept validation
 - Knowledge Transfer Services (KTP)
 - Testing
 - Prototyping and access to infrastructures
 - Collaborative research
 - Training
 - Mentoring
 - Re-skilling of professionals
 - Masters' and Postgraduate programmes

Smart connectivity



DIH4CAT services - <https://dih4cat.cat/en/>

Smart connectivity

- Current phase:
 - Ecosystem building
- What makes DIH4CAT interesting?
 - Many nodes and tech areas -> large size but modular approach
 - Added value to SMEs and open door to Catalonian ecosystem
- DigiFed innovation pathways welcome!



DIH4CAT success cases - <https://dih4cat.cat/en/success-cases/>

Success Cases



Success Case Supercomputing:
Automotive innovation

Supercomputing



Success Case Smart connectivity: Simon
and the connectivity of spaces

Smart connectivity



Success Case Photonic: Graphene-
based high-impact membranes

Photonic



Success Case Cybersecurity: C-Roads
highway

Cybersecurity



Success Case Advanced manufacturing
and robotics: Precatex

Advanced manufacturing and robotics



Success Case 3D printing: Travel Sax, the
smallest saxophone in the world

Additive manufacturing and 3D printing



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Thank you!



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