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MetaOS ecosystem overview and  
engagement actions

# META-OS CLUSTER USE-CASES



 **Agriculture**

 **Smart City**


 

 **Manufacturing**

 **Healthcare**



 **Energy and Utilities**

 **Tech & Entertainment**

 **Transportation and Logistics**

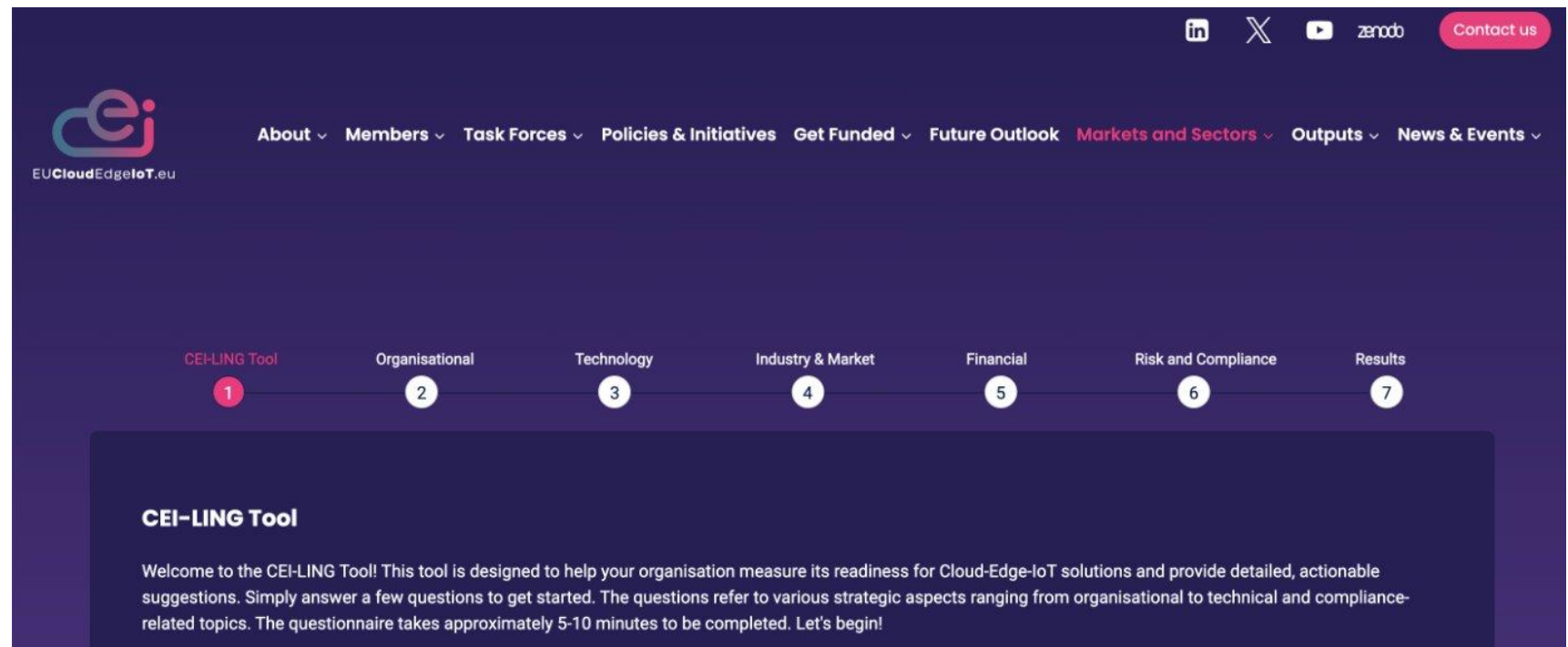
 



Check MetaOS use-case Catalogue  
<https://zenodo.org/records/10390848>

# CEI-ling 101 assessment



The screenshot shows the CEI-LING Tool website interface. At the top right, there are social media icons for LinkedIn, X, YouTube, and Zenodo, along with a 'Contact us' button. The navigation menu includes: About, Members, Task Forces, Policies & Initiatives, Get Funded, Future Outlook, Markets and Sectors, Outputs, and News & Events. A progress bar below the navigation menu shows seven steps: 1. CEI-LING Tool (highlighted in red), 2. Organisational, 3. Technology, 4. Industry & Market, 5. Financial, 6. Risk and Compliance, and 7. Results. Below the progress bar, the 'CEI-LING Tool' section is visible, with the following text: 'Welcome to the CEI-LING Tool! This tool is designed to help your organisation measure its readiness for Cloud-Edge-IoT solutions and provide detailed, actionable suggestions. Simply answer a few questions to get started. The questions refer to various strategic aspects ranging from organisational to technical and compliance-related topics. The questionnaire takes approximately 5-10 minutes to be completed. Let's begin!'

# CEI-ing Tool Frameworks

## Organisational

- 1: Time to deploy new computing nodes
- 2: Certification status
- 3: Real-time data analytics capabilities
- 4: Integration with legacy data

## Industry & Market

- 1: Potential for new revenue streams
- 2: PoC completion rate
- 3: R&D expenditure as a percentage of revenue
- 4: R&D strategy

## Financial

- 1: ROI for adopting Cloud-to-Edge solution
- 2: Increased operating capacity
- 3: Cost of downtime and outages

## Risk and Compliance

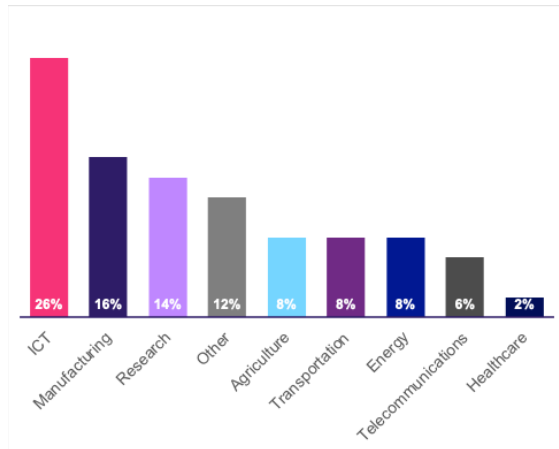
- 1: Compliance degree with relevant regulations
- 2: Ratio of anonymization data transfer
- 3: Guarantee of data integrity
- 4: Degree of compliance with cybersecurity standards

## Technology

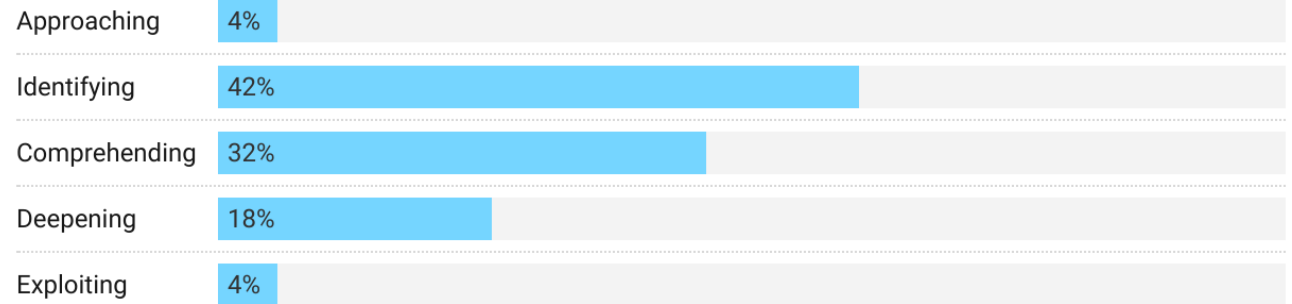
- 1: Cloud-to-Edge process efficiency
- 2: Overall uptime of IT infrastructure
- 3: Current TRL level of solution
- 4: Latency reduction versus centralised processing
- 5: Scalability and Flexibility achieved
- 6: Legacy hardware and software in use/ compatibility challenges

# CEI-ling tool insights

## CEI-ling Tool Results-Sector



## CEI-Market Readiness



## CEI Readiness by Sector



## Insights to Date

- Greater **flexibility and scalability** in the tech stack and advanced **integration with legacy data** translates into greater capacity for attracting novel revenue streams from CEI solutions.
  - New revenue streams are a driver of perceived Financial ROI for CEI systems.
- **Higher CEI readiness** tends to lead to **lower downtime and outages**.
  - Firms with higher levels of certification or compliance tend to be more CEI-ready
- **Strongest areas of readiness:**
  1. IT Infrastructure uptime (3.8)
  2. R&D Expenditure/Strategy (3.5/3.2)
  3. Legacy hardware/software integration (3.2)
- **Weakest areas of readiness**
  1. Certification (1.9)
  2. Financial ROI definition (2.1)
  3. Legacy data integration (2.3)