



TCI NETWORK  
27<sup>TH</sup> TCI GLOBAL CONFERENCE  
THE COLLABORATIVE FUTURE  
AI & HUMAN PROGRESS THROUGH CLUSTERS  
OCTOBER 8 - 10 CHIHUAHUA MEXICO

# SESSION 1. ARTIFICIAL INTELLIGENCE

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FACILITATED BY



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Clusters leveraging collaboration and the way they impact the ecosystem through advanced technologies and AI.

*cssoftmt* •  
ITC CLUSTER OF NUEVO LEÓN

AI 4 All



## Who are we?



### Aim

Promote efforts between Industry, Academia, Government, Entrepreneurs and Investment Funds for the economic development of the IT Industry in Nuevo León.

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### Mission

Help create conditions, opportunities and support so that ICT Cluster companies develop, and produce wealth and well-being (jobs) for the benefit of the entire society of Nuevo León.

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### Vision

To be a leading global cluster, provider of high value-added IT solutions and services, specialized in cutting-edge market niches, recognized for its: entrepreneurship and digital innovation ecosystem, excellence, quality, professionalism of its companies and human resources. To be the fastest growing economic sector in NL.

# Technological Trends 4-2025

**Artificial intelligence and machine learning: the driving force of innovation**

Machine learning algorithms will become more sophisticated, allowing for more accurate predictions and automated decision-making in various sectors. In turn, the relationship between AI and Big Data will become stronger, giving rise to more personalized insights.

**IoT and 5G: a hyperconnected world**

The convergence of the Internet of Things (IoT) and 5G technology will radically reinvent our environment by 2025. This synergy will create a more robust and efficient digital ecosystem, impacting various areas.

**Quantum computing: the exponential revolution in processing**

The year 2025 will mark a milestone in the development of quantum computing, opening the door to a new paradigm in data processing. This revolutionary technology promises to solve complex problems in seconds, tasks that previously required years of calculations on conventional supercomputers.

**Augmented and virtual reality:**

Augmented reality (AR) and virtual reality (VR) are on the verge of making a qualitative leap, becoming fully integrated into our daily and professional lives. By 2025, these technologies will transcend the realm of entertainment.

**Hybrid and multicloud ecosystems**

Hybrid and multicloud ecosystems will have established themselves as the standard in business technology infrastructure. This evolution represents a paradigm shift in the way organizations manage and deploy their digital resources.

# Board

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# Operating Model



**Gender equality  
and bonding**



**Digital talent**



**Innovation and  
entrepreneurship**



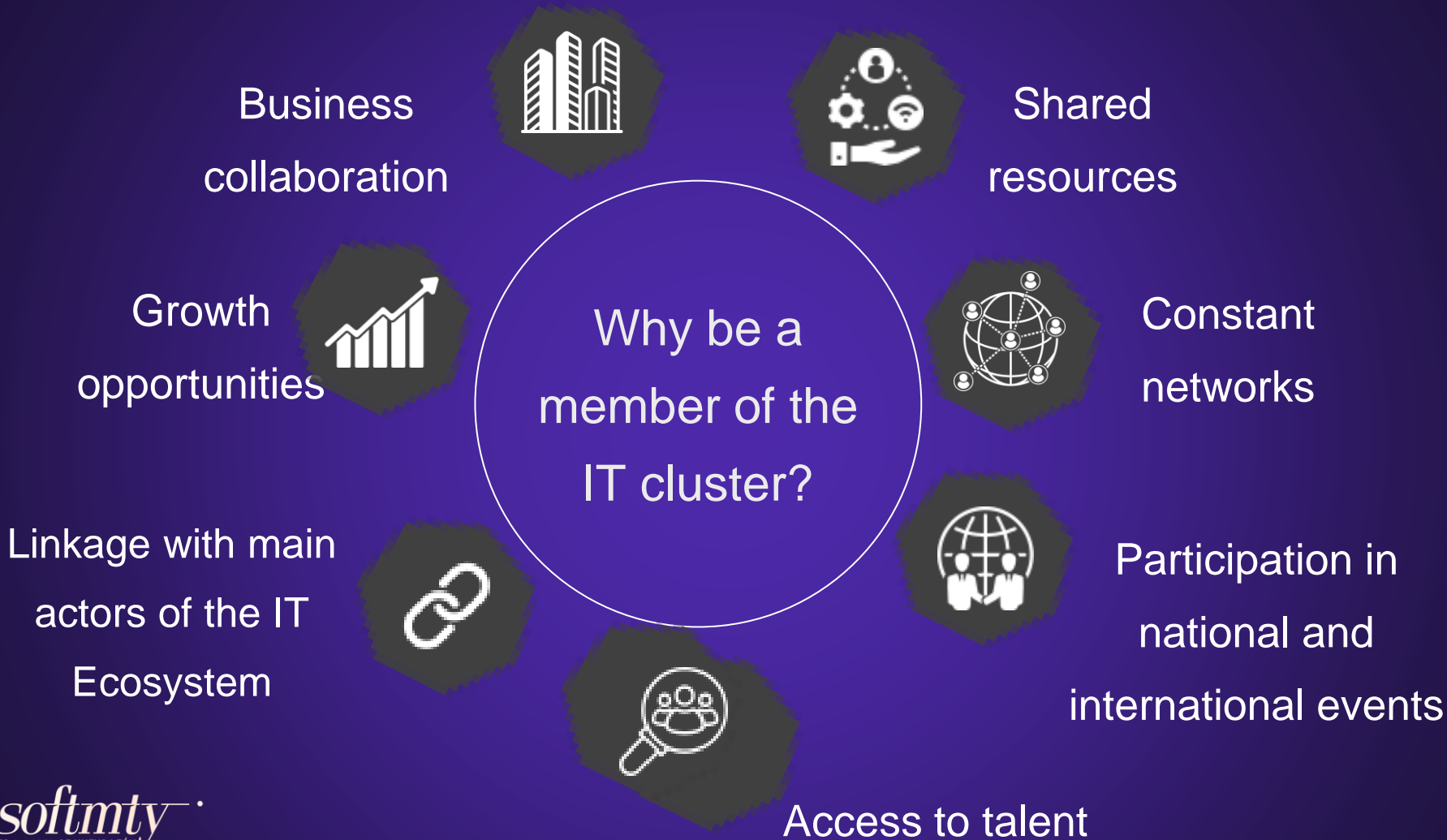
**Strategic markets**



**Artificial  
intelligence**

# Some AI tools that we use as an ecosystem









## SOME CONSIDERATIONS IN A CLUSTER

1. Monitoring and problem detection
2. Performance optimization.
3. Task automation
4. Security
5. Resource management
6. Scalability
8. Integration with other systems
9. Data analysis
10. Technical support

# CONTACT US



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THANK  
YOU!