

The Lever of Regional Centers of Excellence for Innovation

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What do we mean by innovation?

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Research & Innovation within Alcatel

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Prepare Alcatel's future & foster innovation

- Not only technology driven
- Feasibility studies to de-risk Alcatel's future products development
- Analyze disruptive new concepts

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Different rhythms of innovation

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Define product concepts for delivery in 2 to 5 years

Category	Technology	Product Concept	Timeline
Optical Systems (incl. Comp. And Fiber)	Technology	Product Concept	5+ years
Radio	Technology	Product Concept	5+ years
Networking Fixed or Mobile	Technology	Product Concept	~3 years
Service & Applications	Technology	Product & Service Concept	~18 months

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Innovation in partnership

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- To understand new usages
- To test innovation on the field
- To combine innovations
- To create strategic customer relationship
- To complete our skills

Don't innovate on your own!

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Partnerships at various levels

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With ...

- Customers
- Industrial partners
- Government
- Research institutes and universities

Through ...

- Bilateral collaborations
- National or regional projects
- European projects

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Alcatel Research Partner Program

Objectives

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To improve access to the world's best sources of innovation

- Be immediately aware of new technological concepts
- Access complementary or lacking expertise

To help academic institutions become aware of the needs of the telecommunications industry



Alcatel operates its worldwide

"Research Partner" Program



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Flanders: a regional knowledge cluster

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IBBT

- Research institute for Broadband Technology
- Multidisciplinary research
- Market driven research
- Based in Gent, Flanders

IMEC

- Micro / Nano-electronic research institute
- Research 3 to 10 years ahead of industrial needs
- Based in Leuven, Flanders

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The lever of a knowledge cluster



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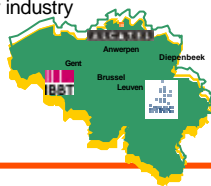
Building competence cluster in broadband telecom in Flanders – IBBT and IMEC as key enablers for Alcatel

- Combining university research with market driven research
- Creating a multi-disciplinary innovative environment
- Support mobility of researchers between univ and industry

Creating a development platform for industry

- Creating opportunities for spin-off's

Building a sustainable competitive advantage for industrial partners



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Accelerating innovation within Alcatel

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The knowledge cluster re-enforces the role of Alcatel Belgium as center of excellence in Alcatel group

- User centric triple play services laboratory
 - AmigoTV, MyOwnTV
- Broadband networking
 - DSL family, fiber to the user
- Fixed Mobile convergence



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