

Brightlands Chemelot Campus welcomes



March 30, 2017

Brightlands
Chemelot Campus

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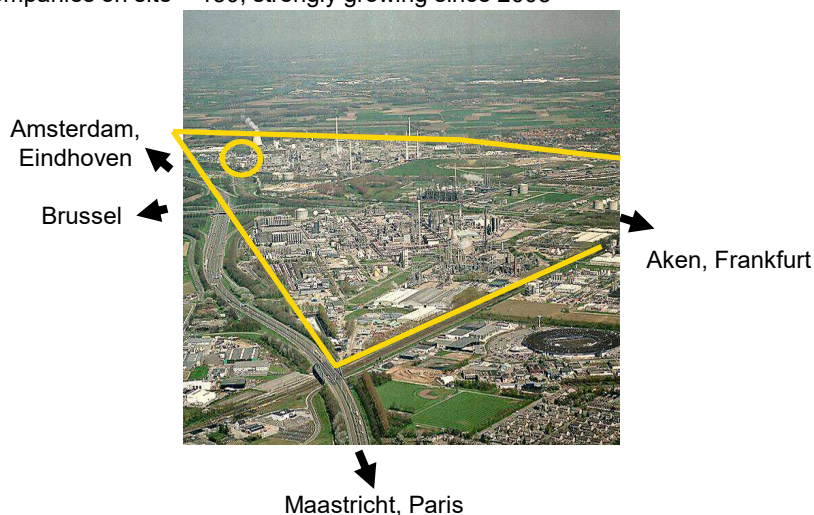
Introduction to Brightlands Chemelot Campus

1. What is Brightlands Chemelot Campus?
2. Unique strengths
3. How do we grow?
4. Key Success Factors

Brightlands

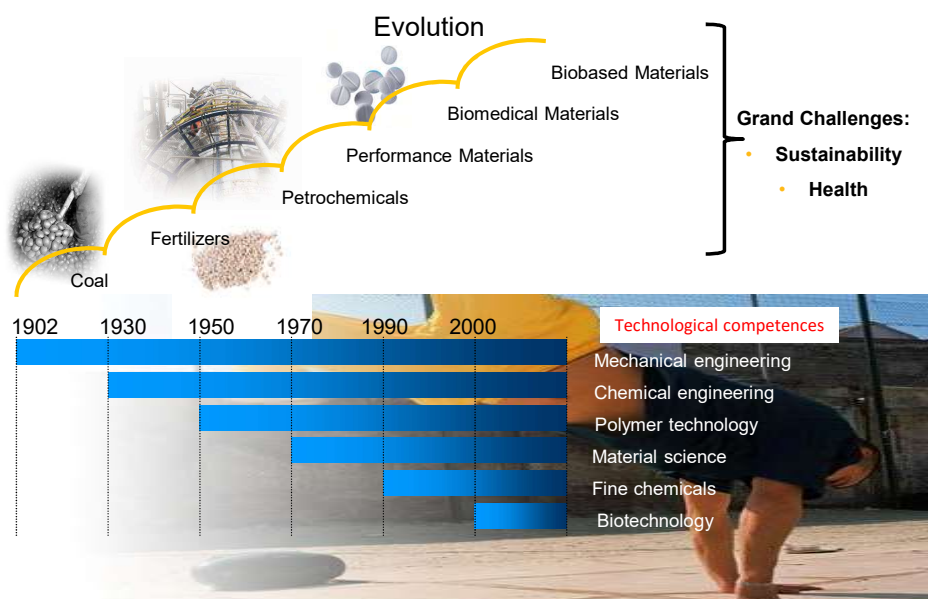
What is Chemelot?

- One of the largest chemical and material communities in Europe (ca 8 km²)
- Industrial Park + Campus
- Number of companies on site > 150; strongly growing since 2005



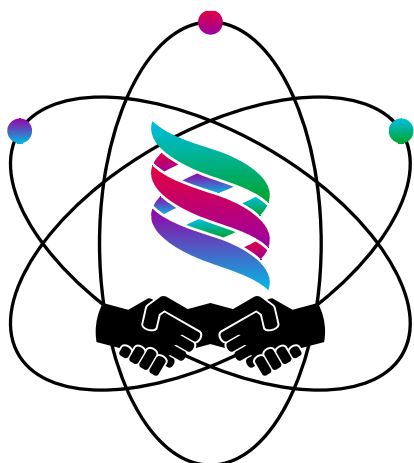
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Chemelot: 100+ Years of Chemical and Performance Materials development



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Triple Helix Ownership



Partners:

Government

provincie limburg 

Knowledge Institute

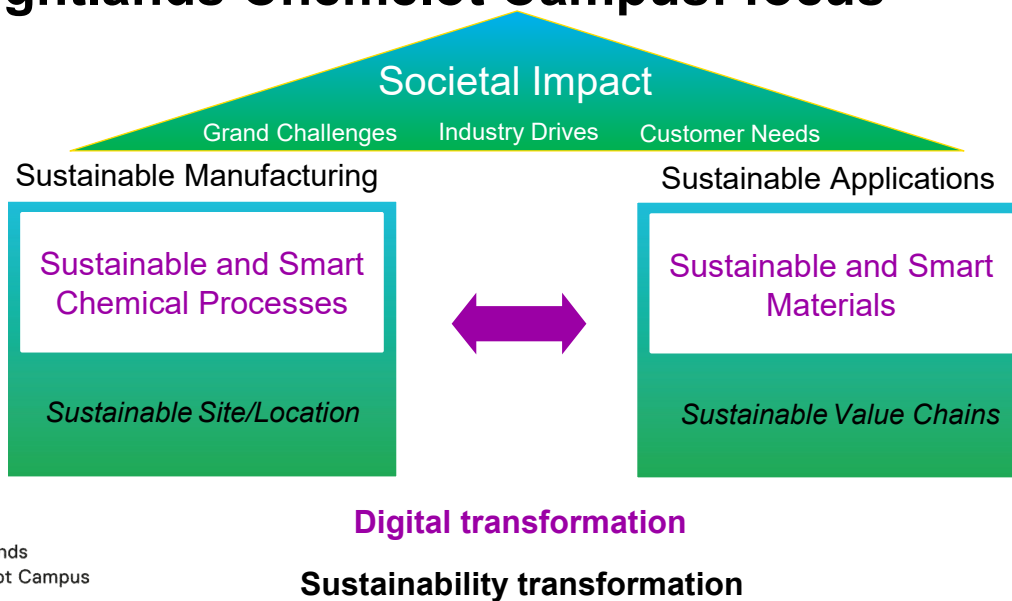
 Maastricht University

Industry

 **DSM**
BRIGHT SCIENCE. BRIGHTER LIVING.

Brightlands

Brightlands Chemelot Campus: focus



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Brightlands Chemelot Campus: focus

strategic choices based on unique strengths

Sustainable Chemical Processes	Sustainable Materials
Topics: Advanced Chemistry Biobased processes Electrification Electrochemistry Scalability	Topics: 3D printing Leight Weight (Automotive) Smart / specialty packaging Smart / sustainable buildings Coatings Biobased materials Cell Therapy/Biomedical Materials

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Strategy: Grow, Grow, Grow!

Knowledgeworkers



Students



Companies



	Knowledgeworkers	Students	Companies
2005	900	0	4
2016	1.920	650	80+
2023	2.900	1.000	>100

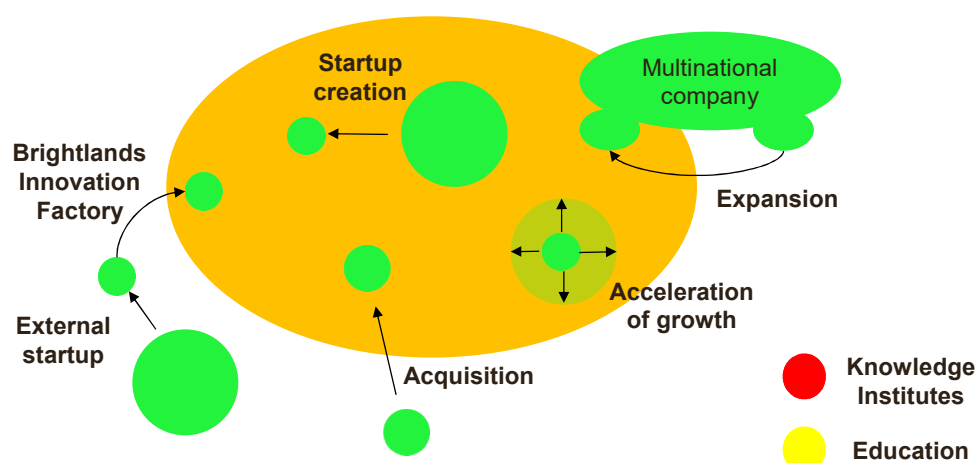
Well filled
pipeline with
300+ growth
opportunities

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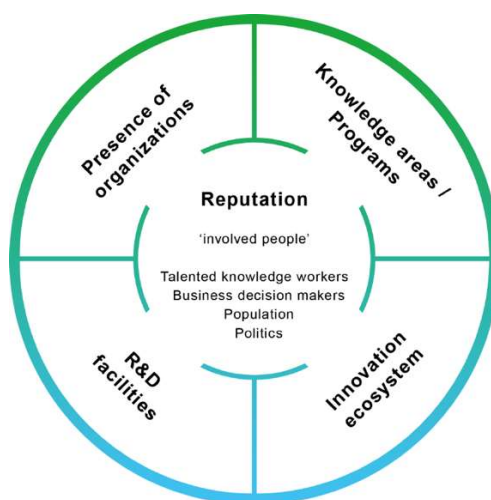
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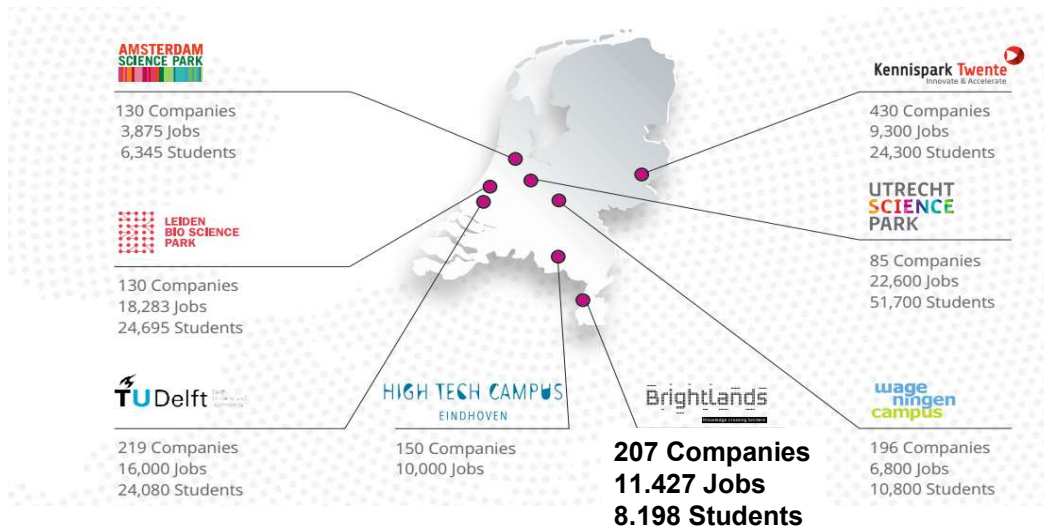
How do we grow?

 $1 + 1 > 3$


Campus Key Success Factors



Top Science and Innovation Parks

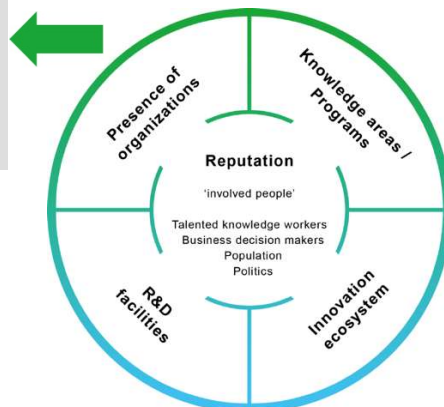


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Campus Key Success Factors

Knowledge Intensive Organisations:

- Corporates
- SMEs
- Startups
- Education Institutes
- Scientific Centers



Unique knowledge and global networks



Corporates



Startups



SMEs



Education Partners



Scientific Centers



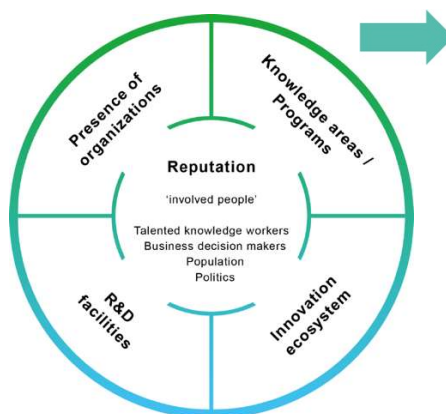
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Global leading valuechains



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Campus Key Success Factors



Development of unique knowledge in Public-Private Partnerships

- Performance Materials
- Biomedical
- Biobased
- Enabling Technologies

Brightlands Knowledge Chains



Scientific Disciplines
Chemistry, Biologics,
Analytics, Physics

Technology Platforms:
Adhesion, Barrier Properties,
Optics, Esthetics

Knowledge underlying pro-
duction, commercialisation
(kitchen & trade secrets)

Mostly at uni's

R&D Centers

Industry Organisations

Precompetitive PPS

Shared PPS, Industry R&D

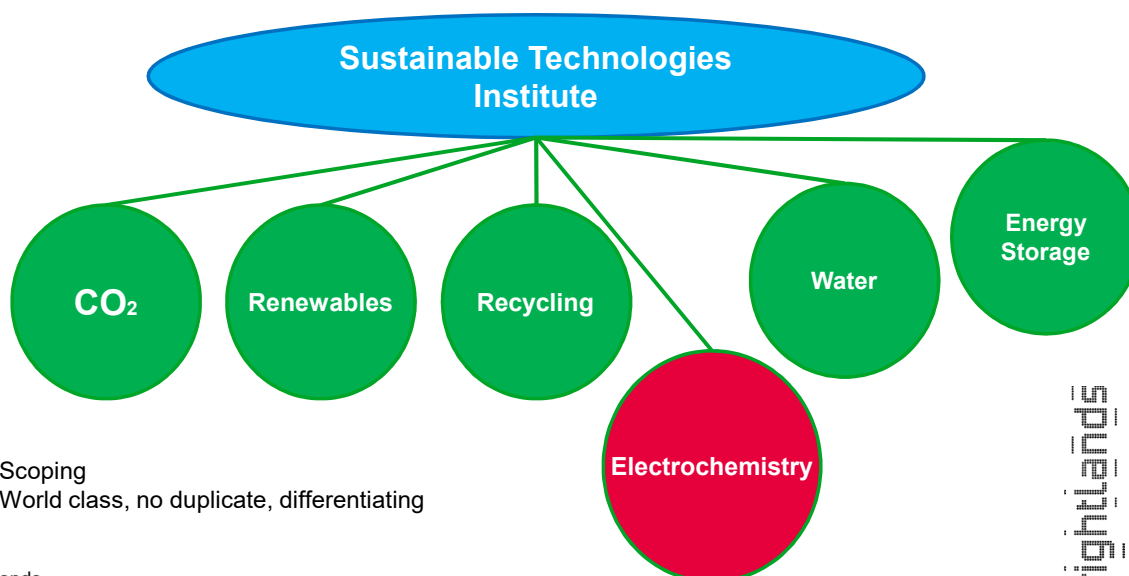
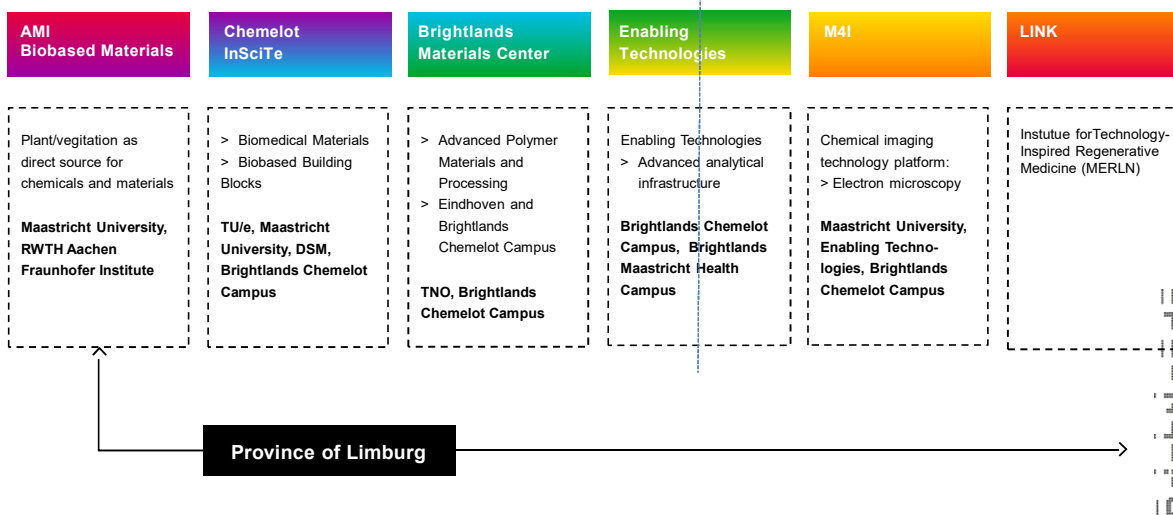
Closed R&D

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Public Private Knowledge Institutes

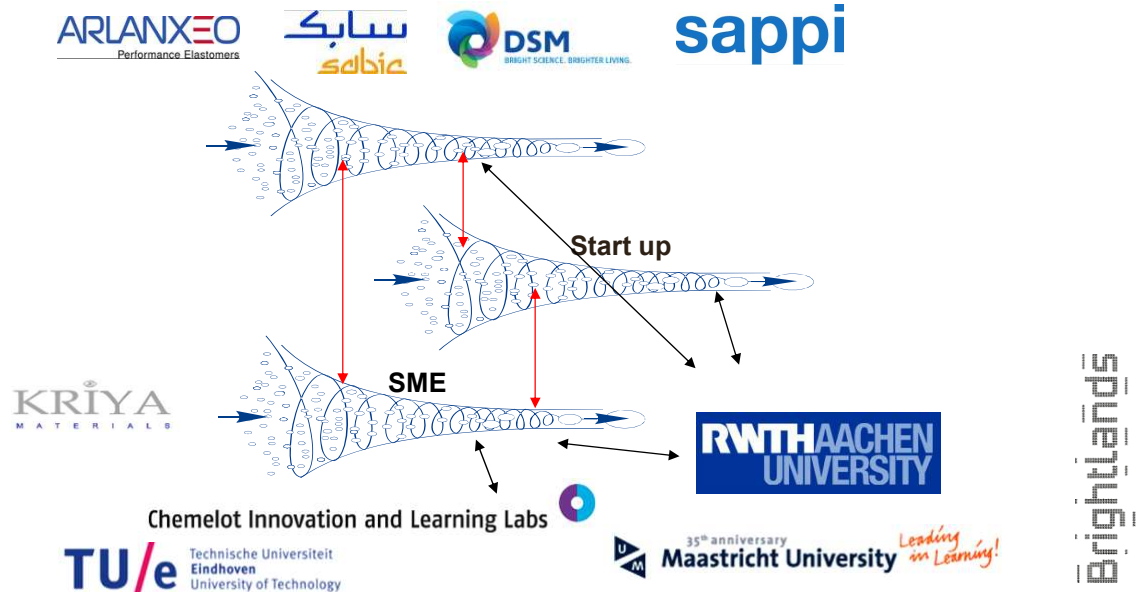
Brightlands Chemelot Campus

Brightlands Maastricht Health Campus

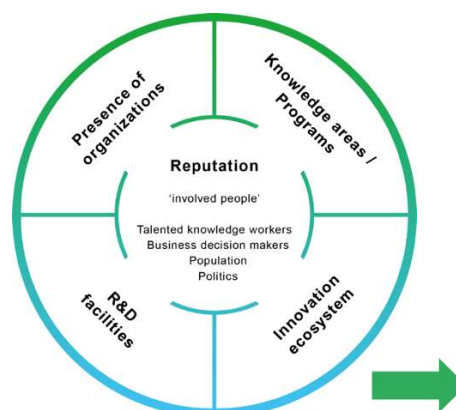


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Open innovation ecosystem



Campus Key Success Factors



Innovation Ecosystem

- Talent development
- Campus community development
- Quality of Life



Open Innovation = people working together

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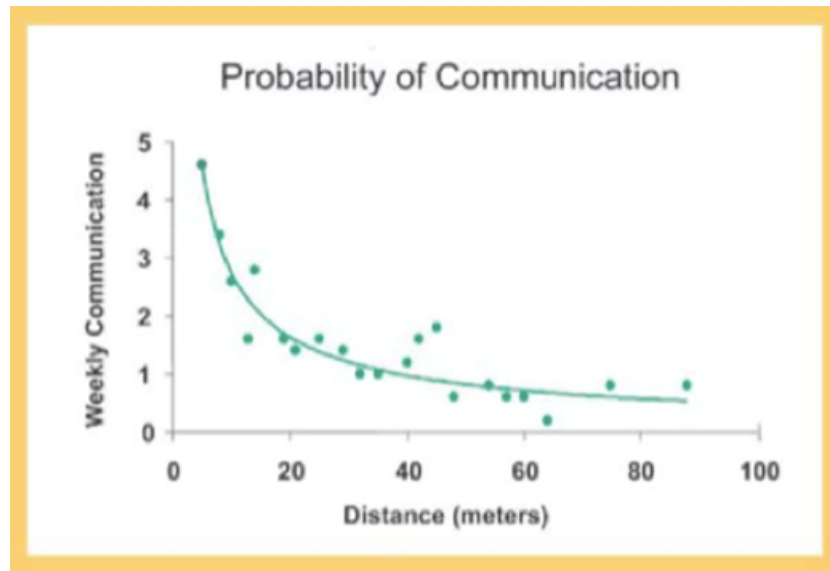
CHAMPIONS LEAGUE



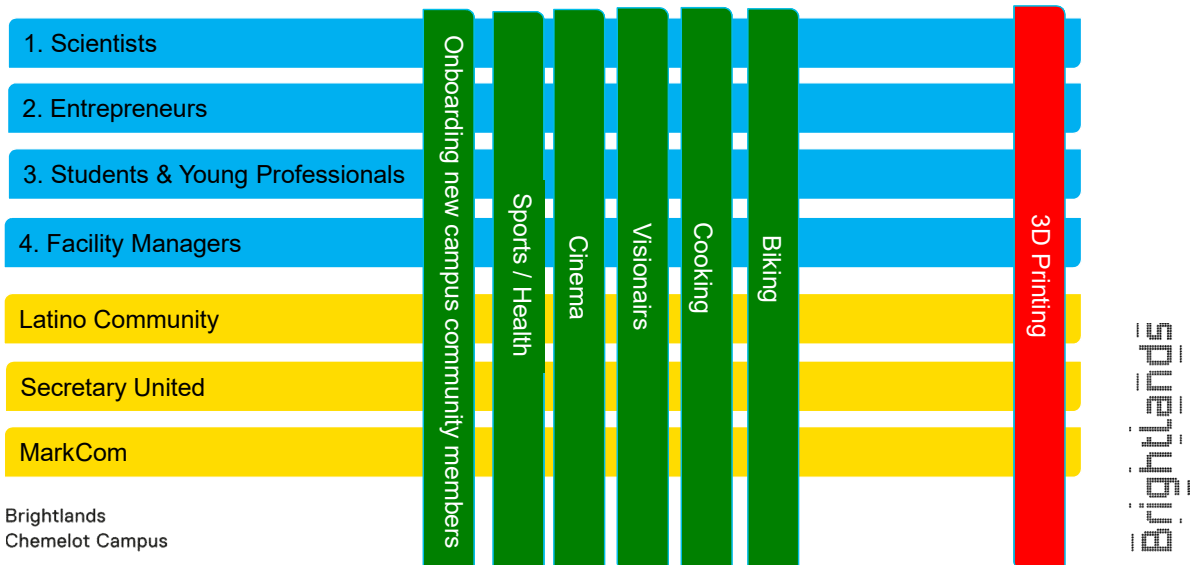
Leading Organisations
&
Top Talents



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Community Development



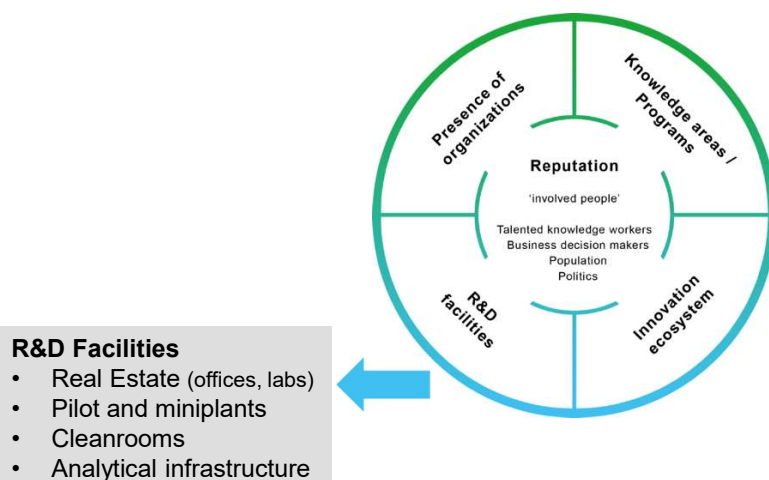
Talent development

- Unique combination of educational organizations, industries and knowledge institutes
- Located in the center of a strong international knowledge network
- Attractive working environment with global business networks
- Full career perspective in region (business & scientific)
- Education near industry: real-life cases from industry via Chemelot Innovation and Learning Labs (CHILL)
- Internationally recognized problem-based learning education system of Maastricht University



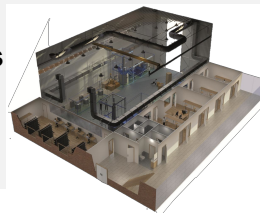
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Campus Key Success Factors



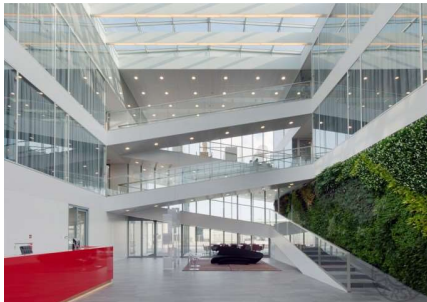
R&D Facilities

- Laboratoria, Offices
- Enabling Technologies
- Pilot & Mini Plant Facilities
Cleanrooms



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LANXESS HQ – 2013 (Single tenant)



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DSM Materials Center - 2014



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DSM Materials Center - 2014



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SABIC - 2015 / 2016



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Center Court – 2016 central facilities, multi-tenant

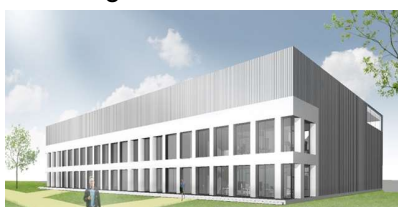


- Restaurant, conference rooms, sports facilities and shops
- Meeting place for campus workers
- Helping to attract knowledge workers and students
- Serving as a stylish venue to host external visitors
- Facilities to host international scientific conferences.

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Speeding up product development process by professional pilot & mini-plant facilities

- Dedicated state-of-the-art pilot plant infrastructure benefitting of the adjacent position of Chemelot Industrial Park (broad spectrum utilities and services, industrial waste water treatment, waste handling, safety, security, fire brigade, logistics);
- Central Raw Material Purification Unit offering purified ethylene and propylene;
- 24/7 Central site management (work permits, safety monitoring, duty officer, etc.)
- Multi-purpose pilot plant for chemical process development / scale up
- Technical infrastructure enabling fast accommodation of new pilot plants already in place



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Campus Key Success Factors

Unique knowledge and global networks

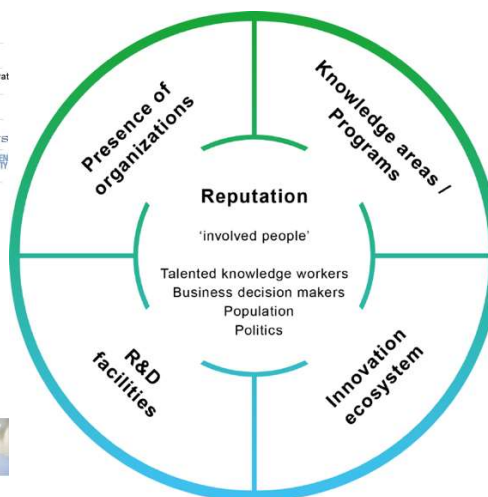


R&D Facilities

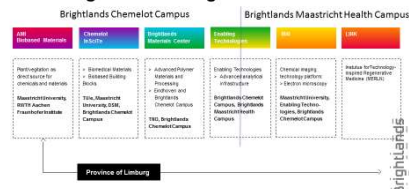
- Laboratoria, Offices
- Enabling Technologies
- Pilot & Mini Plant Facilities



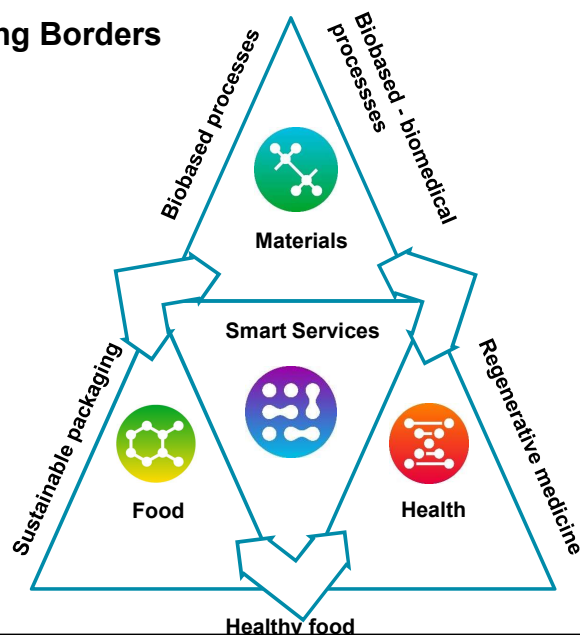
High-end Analytical facilities



Knowledge areas – Programs



Knowledge Crossing Borders



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Brightlands Chemelot Campus, the place to be for winners in chemistry and materials



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