



At the Green Chemistry Campus in Bergen op Zoom, entrepreneurs, governments and knowledge institutions are working on scaling up new, sustainable materials and chemicals for the building materials and packaging industry. Renewable raw materials such as elephant grass, organic municipal waste and wood residues form the basis for this. By using waste streams as a resource our customers create sustainable and profitable chemical intermediates and products that appeal to both industry and society. www.greenchemistrycampus.com/en

BUSINESS ACCELERATOR FOR BIOBASED & CIRCULAR INNOVATIONS



**GREEN
CHEMISTRY
CAMPUS**

GREEN CHEMISTRY CAMPUS: ACCELERATING BIOBASED BUSINESS

The Green Chemistry Campus has got years of experience in facilitating and accelerating biobased innovations. By establishing your company on the Campus, you will easily come across opportunities that can help you as an entrepreneur.

Whether your main driver for biobased innovation is the urge to contribute to a sustainable world, staying ahead of the competition or reasons of compliance, the Green Chemistry Campus can help you to achieve your company's goals. We offer access to not only facilities such as laboratories, a demo facility and office space, but also to support in the areas of financing, marketing and technology.

Companies that establish themselves on the Campus have already proven that their idea for a biobased product works on a small scale. On the Campus they want to elaborate on this idea and prove that their product can also be produced on a larger scale with a constant quality.

THRIVING ECOSYSTEM THAT DRIVES OPEN INNOVATION

The Southwest Netherlands is at the European forefront of biobased innovations. This region, called Biobased Delta, is known for its vibrant and thriving ecosystem that drives open innovation. According to Deloitte nowhere in the world is a region as suitable as the Biobased Delta for valorizing sugars into chemical building blocks for the chemical industry. Biomass is widely available, the logistic connections are excellent and the market is close by because the region is part of the largest chemical cluster of the world.

UNIQUE ADVANTAGES

1. ChemistryNL has accredited the Green Chemistry Campus the status of Innovation Lab (iLab). A breeding ground for innovative biobased entrepreneurs and start-ups looking for help in developing their biobased idea.
2. Synergy: join forces with companies, knowledge institutions and governments that are keen to accelerate innovation and share risks.
3. Shared use: easy access to laboratories, work spaces, trainees & (demo) facilities.
4. Low operational costs: a solid eco system that's fully equipped for chemical R&D.
5. Identify viable opportunities: a thriving support community in the areas of financing, marketing and technology. Make use of the BioVoice program that connects solutions provided by SMEs to challenges that have been put forward by large companies.
6. Easy access: close to container water terminal. Direct motorways to Antwerp, Amsterdam, Rotterdam and the Rhine-Ruhr-Area.



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BUSINESS ACCELERATOR FOR START-UPS, SME'S & CORPORATES

FACILITATING THE LIFE CYCLE OF PRODUCT DEVELOPMENT FROM IDEA TO COMMERCIAL VALIDATION

Have you come up with an innovative biobased solution for sustainable building or sustainable packaging? Do you want to make your business processes more sustainable? Do you need support? In that case you've come to the right place at the Green Chemistry Campus.



BUSINESS DEVELOPMENT SUPPORT



DEMO FACILITY



FINANCING / SUBSIDY



GREEN CHEMISTRY INNOVATION LAB



LABORATORY FACILITIES



FLEX OFFICES MEETING ROOMS



TECHNOLOGICAL SUPPORT



GREEN CHEMISTRY CAMPUS COMMUNITY

BUSINESS DEVELOPMENT SUPPORT

Entrepreneurship Guidance, IP Expert, Compliance & Legislation, Product coach, Technology coach, Lignin expert, Pyrolysis expert, Marcom & event support, Research by trainees. Our business experts will help you on your way.

FINANCIAL SERVICES / SUBSIDY COACH

Arranging funding or applying for a subsidy can be complicated and time-consuming. **Green Chemistry Finding Finance** provides an easy and quick overview of the options and clear advice.

LABORATORY SERVICES

We offer bio-circular start-ups & scale-ups access to world-class laboratories. Experienced operators can assist you with the tests and content experts can advise you on follow-up steps..

DEMO FACILITIES

Ready for the next step? Do you want to be able to flexibly scale up the production of your biobased innovation? Then you can visit our sustainable demo facility. Call or mail for the possibilities and a tour.



Green Chemistry Campus stimulates, supports and connects.

GREEN CHEMISTRY INNOVATION



LAB

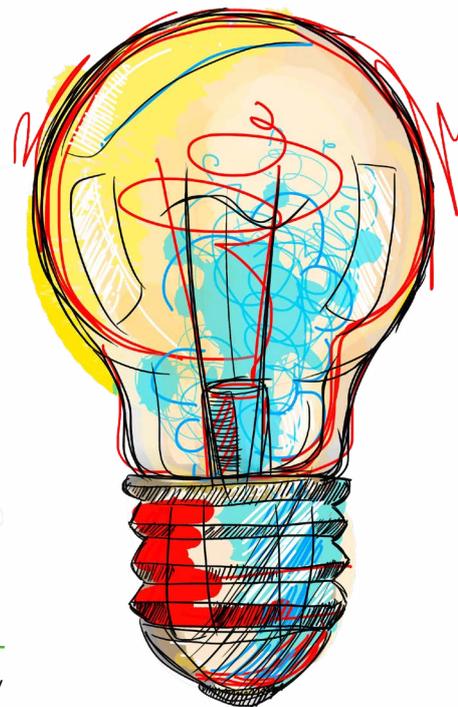
FROM IDEA TO INNOVATION

ChemistryNL has accredited Green Chemistry Campus the status of Innovation Lab (iLab). An iLab is a breeding ground for innovative biobased entrepreneurs who are looking for help to develop their idea. This is where starting innovative companies (TRL 1-4) that focus on green chemistry can go.

Shortly after its establishment, two start-ups already applied: Bionative Industries, which makes water-soluble plastic substitutes for starch, and designer Don Kwaning, who develops packaging and building materials from the Pitru plant.



Do you also have a good idea and would you like to develop this faster and more easily? Then come to the Green Chemistry Innovation Lab: the landing site in Brabant and Zeeland for young, innovative start-ups.



SET TO WORK

■ INTAKE

the market potential of your idea

■ ONTWIKKELING

getting started together with experts

■ BUSINESS DEVELOPMENT

periodic sessions to optimally connect to the market

■ TESTFASE

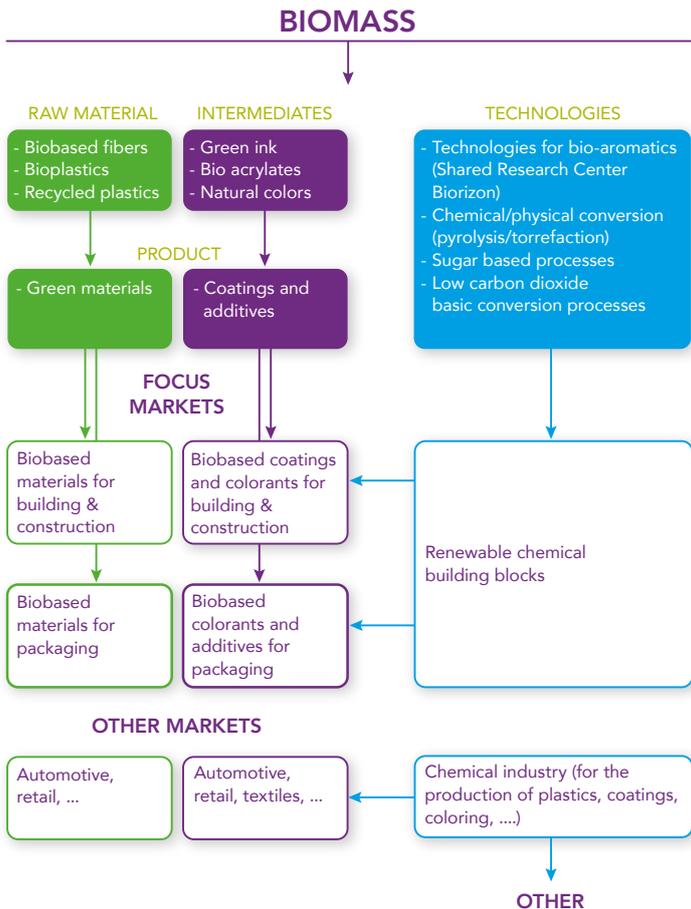
facilities & advice to test

■ GROWTH

advice on a successful growth strategy

ACCELERATING BIOBASED BUSINESS

– packaging and building materials –



BIORIZON – THE PROFITABLE WAY TO BIO-AROMATICS

Biorizon is the most advanced and renowned research programme on bio-aromatics in the world. Shared Research Center Biorizon, an initiative of TNO and VITO, has been developing technologies for the production of bio-aromatics at the Green Chemistry Campus since 2013. Together with industry partners, Biorizon develops innovative chemical processes for the production of sustainable aromatics from biomass.

Biorizon director Joop Groen: "Aromatics are important building blocks for the chemical industry: no less than 40% of all chemicals are aromatic in nature. They add essential functionality to products such as plastics, resins and coatings, including thermal stability and UV resistance. In addition, bio-aromatics are a sustainable alternative to existing petrochemicals that are difficult to recycle, such as paints, adhesives and lubricants. We aim to enable the commercial production of bio-aromatic building blocks from 2025 onwards".

Biorizon
The way to aromatics

CIRCULAR BIOBASED DELTA – UNIQUE & EXPANDING

TOP LOCATIONS – INCUBATORS



1 Planet B.io Delft



2 Yes! Delft Incubator



3 Green Chemistry Campus (COCI)



4 Bioprocess Pilot Facility (BPF)



5 Bio Base Europe Pilot Plant



6 Plant One Rotterdam



7 Green Chemistry Innovation Lab



8 Greenport Westholland

APPLICATION CENTERS & OPEN LABS



9 Natuurvezel Applicatiecentrum (NAC)



10 Colour Application centre (KLAC)



11 Biopolymer Application centre (BAC)



12 Biobased Innovations Garden Rusthoeve (AIKC)



13 Kunststoffen Application & Training Centre (KATC)



14 Biorizon Lignine Application centre (BLAC)



15 Valorisation lab (VARTA)



16 Delta Agrifood Business (DAB)

KNOWLEDGE & EDUCATIONAL INSTITUTIONS



17 HZ University of applied sciences Centre of Expertise Biobased Economy



18 Avans Hogeschool Centre of Expertise Biobased Economy



19 Curio Biobased Economy



20 Technical University TU Delft



21 Bio Base Europe Training Center Terneuzen



22 University Leiden

SEAPORTS



23 Port of Rotterdam



24 Port of Moerdijk



25 North Sea Ports

INNOVATIVE INDUSTRIAL SITES



26 Nieuw Prinsenland



27 Biopark Terneuzen



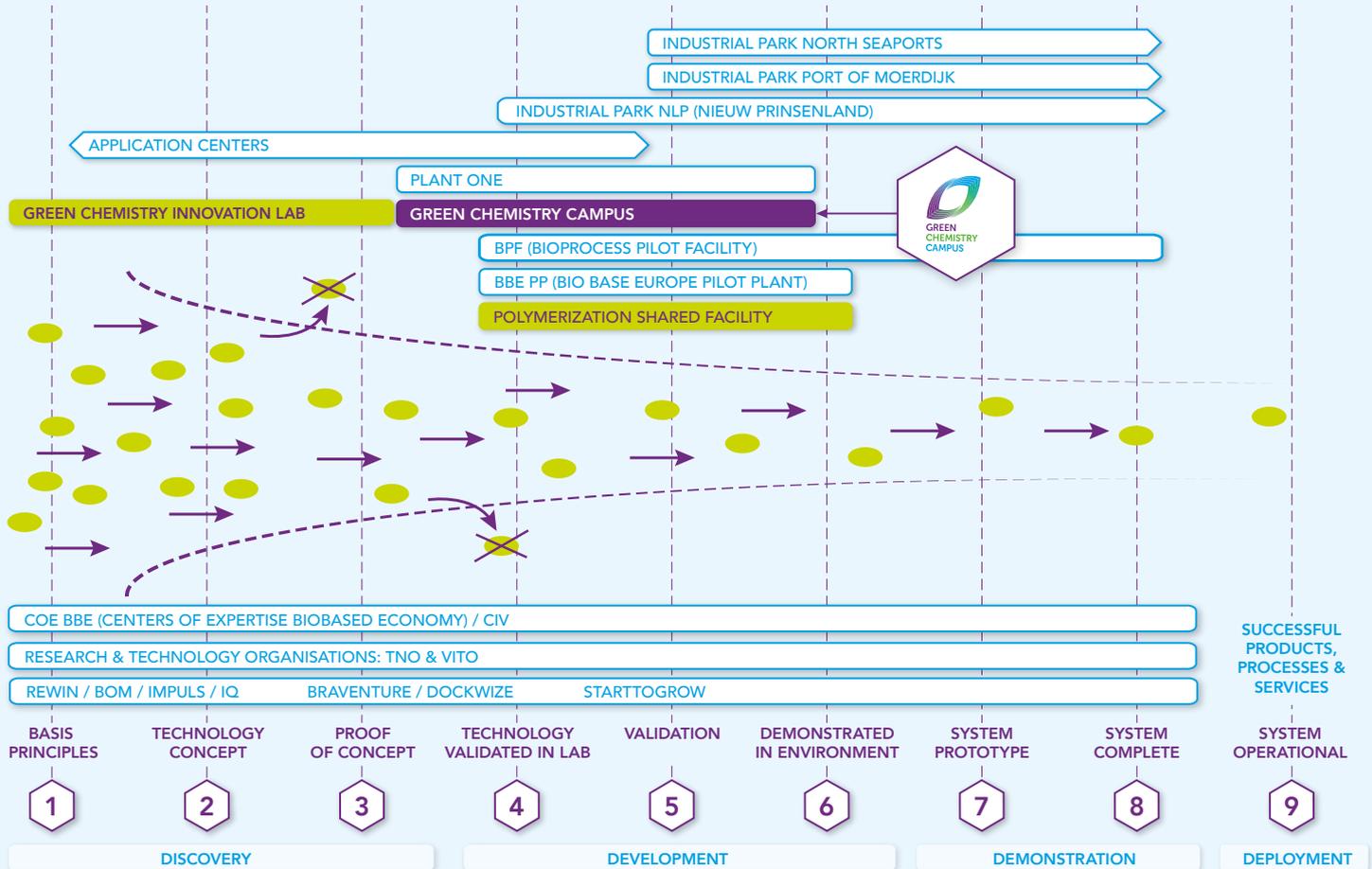
28 Port of Moerdijk



29 SABIC, Bergen op Zoom



TRL – TECHNOLOGY READINESS LEVELS



GREEN CHEMISTRY CAMPUS COMMUNITY

