The hotspot for **Biobased Industry, 10 reasons** why

Within the biobased economy, few locations in the world have the same favourable location and advantages as the Rotterdam The Hague metropolitan region. We hereby present 10 reasons to invest in the Biobased Industry in this region, which is known for its cluster of companies and research institutes with a strong reputation for knowledge and expertise in the field of industrial biotechnology. Your company could benefit from the ground-breaking research and successful innovations developed in extensive research programs in the Netherlands.

BUSINESS OPPORTUNIES

1 LEADING IN BIOFUELS

The Port of Rotterdam has a central position in the supply of biofuels throughout Europe. Rotterdam is home to Europe's largest bio-chemical industrial cluster.

2.500.000
ton production capacity

2 FEEDSTOCK HUB

Key position and strategic location for import of biomass,with excellent inland logistics.

Local, cost-competitive feedstock: sugar beets widely available and expected to increase in volume and decrease in costs. Continuous improvement of crop seeds & yields.

3 INCREASE YOUR RETURNS

Joint utilities and residual flows from different sectors increase returns.

- Agro and food
- Pharma and (petro) chemical
- Energy
- Transport and logistics

The Port of Rotterdam offers a high density of suppliers and end-users in the surrounding industrial zone.

TALENT & KNOWLEDGE

4 WORLD CLASS KNOWLEDGE

Delft University of Technology (TU Delft) performs research on fermentation, industrial biotechnology and the biobased economy. **BE-Basic** plays a key role in building the biobased economy through focus on the research fields needed for the transition to a biobased economy.

TU Delft
#1 Dutch university in the field of industrial biotech

5 ACCESS TO TALENT

Courses on the latest knowledge in the field of biotechnology:

- Bioprocess Design
- Downstream Processing
- Biocatalysis and Protein Engineering
- Genomics in Industrial Biotech
- Environmental Biotech
- Microbial Physiology
- Fermentation Technology
- Metabolomics for Microbial Systems

2014 2015

LOCATIONS & FACILITIES

6 TESTING AND PILOTING

Real-life testing ground and unique open access facilities. Your company can benefit by accelerating innovation and reducing costs through state-of-the-art shared pilot, research and demonstration facilities in the region, with key locations in **Delft (Bioprocess Pilot Facility)** and **Rotterdam (Plant One)**.

7 HOTSPOTS

Top notch locations such as:

1. **Port of Rotterdam**
2. **Maasvlakte 2 'Plug&Play'** – wide scope of possibilities for both small and large production
3. **YES!Delft Labs**
4. **Biotech Campus Delft**
5. **Leiden Bio Science Park**

FERTILE GROUND FOR BIOBASED SOLUTIONS

8 TRANSITION TO A BIOBASED ECONOMY

Biobased Delta: entrepreneurs, knowledge institutes and government agencies strengthen the front runner position of the region in the biobased economy.

"The biobased economy is expected to contribute € 20 billion. GDP annually within 10 years."

- Ministry of Economic Affairs

9 STRONG CHEMICAL SECTOR

- The Netherlands is home to **19 OF THE TOP 25** chemical companies worldwide
- Dutch chemical sector accounts for **€ 56 BILLION** turnover/year
- Chemicals account for **17%** of all Dutch exports
- **150** chemical companies in this region

10 LEADING COMPANIES

DSM | GoodFuels | applikon BIOTECHNOLOGY | Cargill

DUPONT | Corbion | NESTE OIL | *And many biobased startups*

CENTURIES OF EXPERIENCE.
AS A REAL-LIFE TESTING GROUND.