



# Interreg

## 2 Seas Mers Zeeën

### Horti-BlueC



European Regional Development Fund

## CATO



CATO Engineering is a private owned company active in three fields: general engineering services, execution of projects for third parties and providing carbon dioxide (CO<sub>2</sub>) capture plants. The main market where these capture plant can be used are greenhouses. The captured and cleaned CO<sub>2</sub> is dosed as a natural fertilizer into the greenhouse to increase the growth of crops. This allows growers to produce their own CO<sub>2</sub> in a cheaper and more reliable way than the current industry standards (e.g. liquid CO<sub>2</sub>).

CATO's focuses on Energy and Environmental technology and aims at gas conditioning and cleaning of CO<sub>2</sub> coming from biogas, flue gas or other sources. Cleaning can entail removal of VOC, siloxanen, H<sub>2</sub>S, SOx or NOx and other pollutants. CATO expertise is process design and the technical and commercial development from idea to practical installation.

CATO want to get firsthand experience with different NOx removal technologies for flue gas applications. We also want to develop these technology into market ready systems. CATO want to work together with third parties like ECN to increase our knowledge. Especially the relation between CO<sub>2</sub> capture technology and gasification technology. Further we want to get detailed information of the effects of NOx and other pollutants on the degradation of amines.



Agaris



TNO innovation for life

