






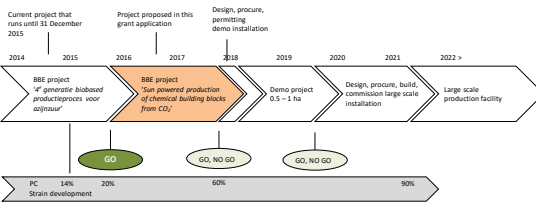
Sun powered production of chemical building blocks from CO₂

Harmen Veldman
27 January 2016
BBE Innovatie project presentation


Cyanobacteria





Development path






2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 >

Current project that runs until 31 December 2015
 Project proposed in this grant application
 Design, procure, permitting demo installation
 Demo project 0.5 – 1 ha
 Design, procure, build, commission large scale installation
 Large scale production facility

BBE project 'if generate biobased productionproces voor uitwijzer'
 BBE project 'sun powered production of chemical building blocks from CO₂'
 GO
 GO, NO GO
 GO, NO GO

PC Strain development: 14%, 20%, 60%, 90%


Project goal


Provide technical and economical data and information for the next 'go, no go'

- Strain with a PC of 60%
- Production protocol / process parameters for stable production / productivity
- Process design models
- A process design for the 0.5 – 1 ha demo facility.
- A conceptual process design for a first commercial facility
- DSP
- A validated business case
- Life Cycle Analysis (LCA) report