

KEY FIGURES

 **300+**
Employees

 **5 Offices :** Belgium,
France, Argentina,
India & Mauritius

 **250 M€**
Largest project value

 **400+**
Projects completed
in 65 countries



WE BUILD PLANTS

greening industrial facilities together



SERVING THE AGRO- AND BIO-INDUSTRIES

FROM CONCEPTUAL ENGINEERING TO CONSTRUCTION & START-UP

De Smet Engineers & Contractors (DSEC) is a private company located in Belgium, created in 1989 :

- **Acting as an engineering & general contractor company specializing in the agro-industrial and bio-based industry fields,**
- **Fully integrated world-class provider of project management, engineering, procurement and construction services.**

DSEC carries out projects from their initial conceptual stage (audits and engineering studies) up to complete delivery, including commissioning and performances demonstration (turnkey management or full turnkey construction).



ENERGY EFFICIENCY & SUSTAINABILITY

Leading the energy transition with activities dedicated to:

- Energy efficiency and process optimization
- Fuel switch towards renewable energy including electrification
- Alternative fuels through CO₂ capture and utilization



PLANT AUDITS



PROCESS INTEGRATION & SCALE-UP



CONCEPTUAL ENGINEERING (FEL 1 / 2 / 3 / FEED)



TURNKEY MANAGEMENT (EPCM)



FULL TURNKEY (EPC)

WE BUILD PLANTS

FROM OUR OFFICES IN BELGIUM (HQ), FRANCE, INDIA, ARGENTINA & MAURITIUS

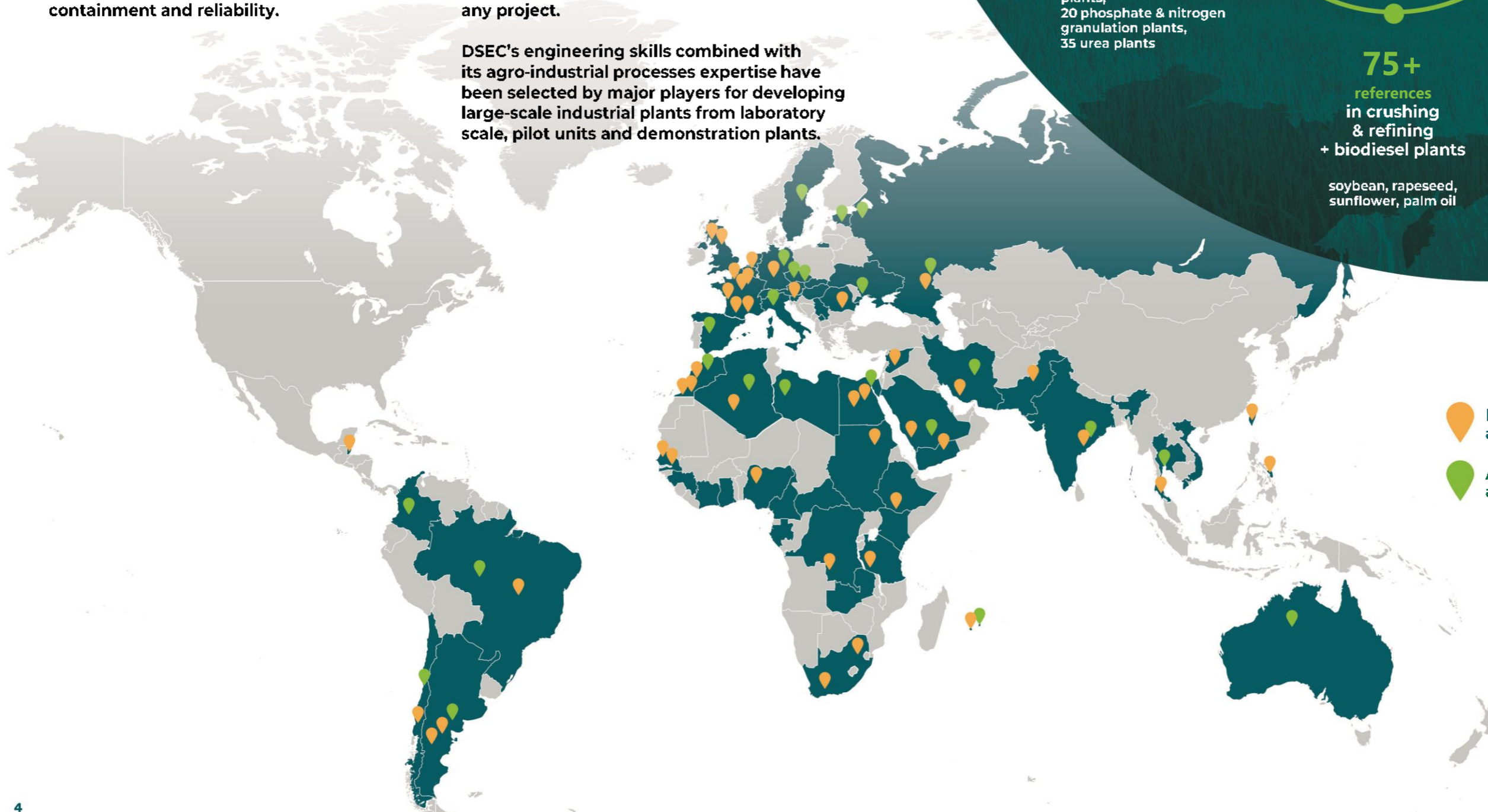
Process integrator dedicated to Agro-processing industries

We are a world-class provider of Engineering, Procurement and Construction services under a single point responsibility.

DSEC has a compelling business offering, built on many years of experience that combines excellence in execution, safety, cost containment and reliability.

DSEC's independence from equipment suppliers and technology providers allows selecting the best possible technical solutions with a particular focus on sustainability through performances optimization and energy saving while reducing maintenance cost to the benefit of any project.

DSEC's engineering skills combined with its agro-industrial processes expertise have been selected by major players for developing large-scale industrial plants from laboratory scale, pilot units and demonstration plants.



20+
references
in alt proteins
& ingredients

Betain, inulin, polydextrose,
oligofructose, pectin,
myco-protein

100+
Fertilizer plants

70 new and revamped
Phosphoric acid plants,
10 ammonium sulfate
plants,
20 phosphate & nitrogen
granulation plants,
35 urea plants



**ENERGY
EFFICIENCY &
SUSTAINABILITY**
**SMART INDUSTRIES
SOLUTIONS**

35+
references
in bio-based
industries

Cyrene, ethyl acetate,
PDO,
butyric acid, glycolic acid,
2C sugars & lignin,
white & black pellets

150+
references
in sugar beet
& cane plants

sugar factory, refinery,
diffusion, glucose /
fructose syrups

75+
references
in crushing
& refining
+ biodiesel plants

soybean, rapeseed,
sunflower, palm oil

50+
references
in ethanol &
bio-ethanol plants

-  Projects
all sectors of activities
-  Audits & Studies
all sectors of activities

SOLUTIONS FOR INDUSTRIES






GREENING INDUSTRIAL FACILITIES. TOGETHER

DSEC assets :

- Process development and integration
- Global vision of the agri-business
- Focus on efficiency and energy saving
- Contractual flexibility
- Industry experts with a view on process and construction interactions
- Global sourcing and independence from vendors and contractors



RELIABILITY THROUGH EXPERIENCE

 SUGARS & ETHANOL	 ALT PROTEINS & INGREDIENTS	 BIOBASED INDUSTRIES	 VEGOILS & DERIVATIVES	 AGRO NUTRIENTS
Beet & Cane Sugar refinery Glucose / fructose syrups Bio-ethanol / alcohol	Bio-molecules extraction Amino acids Myco-protein Single cell proteins Plant based proteins	2G Bio-ethanol Cellulosic sugars Lignin & cellulose derivatives Organic acids Plant-based molecules Bio-chemicals	Oilseeds crushing Vegetable oil refining Biodiesel & HVO feedstock pre-treatment Oleochemicals	Phosphoric acid & derivatives Ammonium nitrate Complex fertilizers