



# Certhon

How (our) innovations  
facilitate the ecosystems  
of the production chain



**CERTHON**  
Greenhouse solutions

**DENSO**  
Crafting the Core

For food. For flowers. For sure.





# CERTHON

Our Horticulture roots embedded in Culture & Tradition



**CERTHON**  
Greenhouse solutions





# CERTHON

**Our Innovations** Integral & multi-disciplinary developments





# CERTHON

Our Innovations Captured in data & (applied) knowledge





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<https://www.nationalgeographic.com/magazine/2017/09/holland-agriculture-sustainable-farming/>

Our Ecosystem a rich history of sustainable horticulture





<https://www.nationalgeographic.com/magazine/2017/09/holland-agriculture-sustainable-farming/>

# Our Ecosystem a rich history of sustainable horticulture





# A tiny country

Agricultural giant Holland

# feeds the world

is changing the way we farm.

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<https://www.nationalgeographic.com/magazine/2017/09/holland-agriculture-sustainable-farming/>

## Our Footprint impact on Food production & food Supply chain

Innovation leader in horticulture

Together for innovations on  
Robotics, ML and AI

**CERTHON**  
Greenhouse solutions

**DENSO**  
Crafting the Core

Certhon strategic alliance with Denso Corporation (JP-NSE)







Indoor farm Full growing planning, multi-layer and automated



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Greenhouse solutions



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Indoor farm implementation in processing, short supply-chain





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Greenhouses (semi-)closed with full control technology





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Greenhouses (semi-)closed with autonomous systems



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Greenhouses (semi-)closed with full robotisation

# WATER USAGE

FROM 100 TO  
4 LITER PER M2

- 25 X

Plastic



Glass



SuprimAir



Closed



Indoor



+ 5X

FROM 15 TO  
75 KG PER M2

PRODUCTION

Water saving + Increase of production + Sustainable Energy + Robotization





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**World News** Impact of the Certhon SuprimAir greenhouse



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World News Impact of the Certhon SuprimAir greenhouse





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World News Impact of the Certhon SuprimAir greenhouse



**Farming**

uses

**70%**

of the world's

**Water**



Energy, water, food

Stress Nexus

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**Nexus** Sustainable farming impact on Energy, Water and Food

Thought-provoking discussion from the





## Fresh, Clean & Healthy food

*As Certhon, we believe in year-round growth of fresh and clean plants, fruits, vegetables, flowers and insects under all type of conditions worldwide. By connecting horticultural innovations and technical integrated solutions, we want to realize health security for everybody, contributing to the important goal of feeding the world while minimalizing the use of natural resources and taking the local environment into account. Professional growing and research for maximal performance and efficiency.*

**Safe. Sustainable. Always. Everywhere.**

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