

DIGITAL TWIN GREENHOUSE™

“GROWERS TOOLBOX” FOR OPTIMIZATION OF PRODUCTION,
ENERGY-EFFICIENT CLIMATE CONTROL AND PLANT GROWTH.

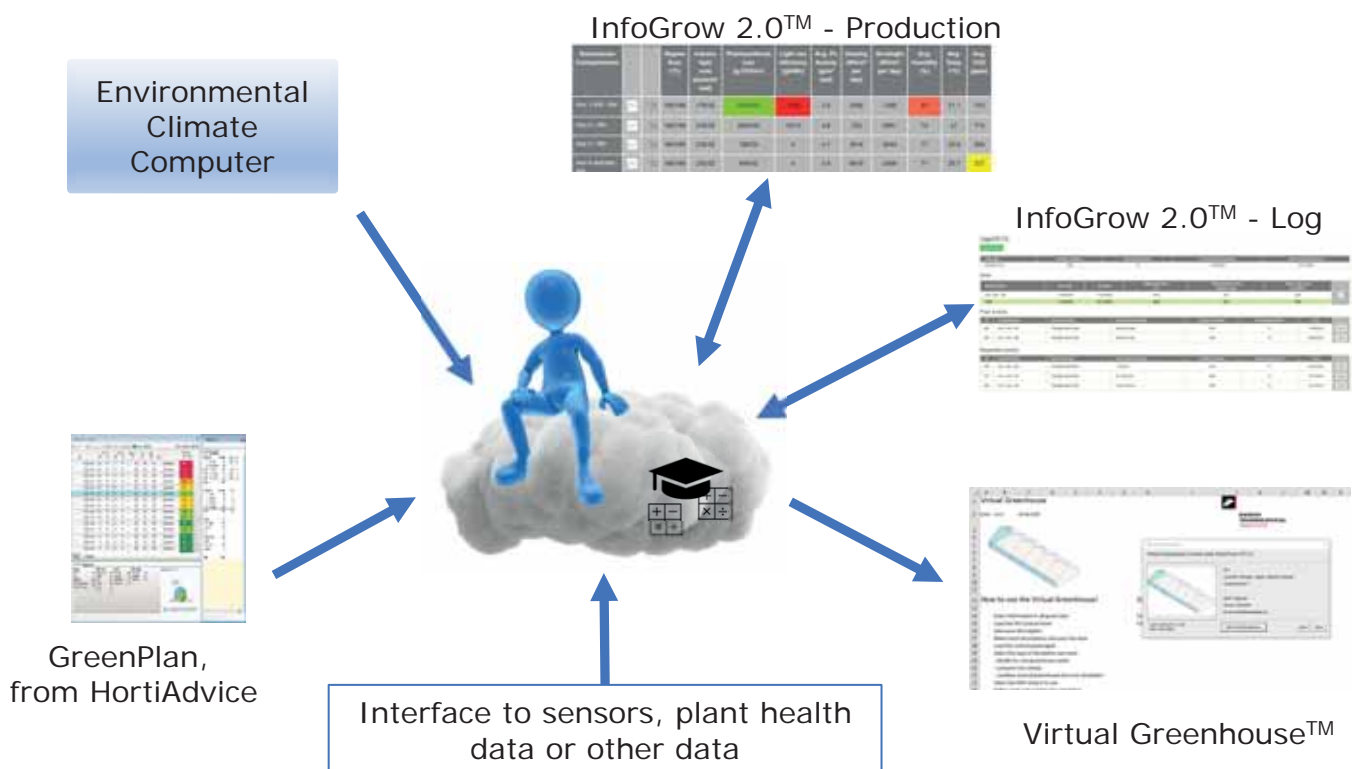


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The **Digital Twin Greenhouse™** is a new software system for the greenhouse industry. It simulates a complete digital twin of the physical greenhouse, combining plant growth and climate management in relation to the use of energy. It comes in two versions; a real-time tactical decision support system for greenhouse managers, and a strategic simulation tool directed towards technology providers.

The **Digital Twin Greenhouse™** is the result of a thorough scientifically based research portfolio performed in many countries, which is combined in this user-friendly application by the Danish Technological Institute.

Digital Twin Greenhouse - Overview



InfoGrow 2.0 Production & log

Know your production even better

- Plant climate, photosynthesis and use of energy in all departments
- Optimize, production, use of energy, risk for diseases
- Fast overview of challenges in all your departments

Active greenhouse log

- Register what happens in your greenhouse and learn from it.
- Make report on use of pesticides, production timing
- Make value out of your existing passive logs

Virtual Greenhouse

Analyze your production

- Simulate changes in climate strategy
- Simulate changes in hardware, e.g. lighting
- Analyze data from InfoGrow for use of energy, production, disease risk etc.

Danish Technological Institute

Danish Technological Institute is a leading research and technology company. We have 110 years of history, more than 10.000 clients and export to more than 65 countries.

We help our customers convert the newest knowledge and technology into value. We are experts in production, materials, life science, business, energy technology, meat research and more.

Center for Plant Technology

The Center for Plant Technology keep the plant in focus. Our expertise concerns optimizing growth, production and utilization of plants and plant-based bio-resources. We work with optimized plant production, plant breeding and biotechnology, high value bio compounds, plant health and diseases as well as cultivation technology for plants and algae. We offer everything from development of novel plants in our biotechnological service laboratory to field trials, where we test new varieties.

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