



IMPACT2025 - TOPSECTOR T&U INNOVATION PRIZE 2020

In 2020, the Topsector Horticulture and Starting Materials Innovation Prize was awarded for the second time in succession to a pioneering, disruptive innovation in the International horticultural sector from greenhouse to profit, from field to fork.

There were 26 international, top-level entries in the competition. In the first round, the jury nominated 6 candidates. These candidates presented their pitch during the Hero Festival on 6 October. Based on the submitted materials and the pitches, the jury selected the winner during an online consideration.



The jury about the winner: "Sigrow has developed a thermal camera that can measure the temperature of the plant leaf and of the surrounding air and they have created the software that translates this to the direction of the stomata. This knowledge/development is a missing link in the 'unmanned growing' concept. It offers growers the opportunity to control the climate in the greenhouse directly on 'plant value' instead of on 'growers' input'; in other words, the plant is speaking. The Sigrow team has the potential to make this development a success. In short: Sigrow's solution offers the chance to grow into the Fitbit® of the horticultural sector. Collaboration with other parties is crucial in this."

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The jury

Gerard Verbiest - Assistant Professor Acoustic Sensing - TU Delft | Peter Steeneken - Professor Dynamics of Micro and Nanosystems - TU Delft | Marie-Claire ten Veldhuis - Associate Professor Hydrometeorology - TU Delft | Neil Yorke-Smith - Associate Professor Socio-Technical Algorithmics - TU Delft | Tamas Keviczky - Professor Control and Dynamical Systems - TU Delft | Jan van den Ende - Professor Innovation and Technology Management - Erasmus Universiteit Rotterdam | Ronald Hoek - CEO Blue Radix | Herbert ten Have - CEO Fizyr | Kees Rijnhout - CEO Jaguar | Gerben Ravensbergen - Grower Lillies of Life | Sebastiaan Breugem - Nursery Breughem Horticulture | Sadiq van Overbeek - Physee Technologies and winner T&U Innovation Prize 2019 | Harrij Schmeitz - President IMPACT2025 programme

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UNMANNED GROWING CONCEPTS
From TECHNOLOGY FOR GROWING towards GROWING WITH TECHNOLOGY



JURY REPORT