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Corvus Drones and Track32 have confirmed their collaboration through a preferred partnership for greenhouse horticulture. Both companies have been working together for some time now, with Corvus Drones focusing on data collection with a fully automatic flying drone. Track32 is a specialist in the field of computer vision and artificial intelligence and makes applications in the field of plant recognition.

In greenhouse horticulture, data and information are becoming increasingly important to manage companies that are becoming larger and more complex. Artificial intelligence has already made its entry in the sector, for example in the recognition of plants, diseases & pests and autonomous growing. In many industries, information speeds everything up, and this also applies to greenhouse horticulture. Automatic seedling counting is the first application Track32 has made based on the data of Corvus Drones.

The dream of Corvus Drones is that in all greenhouses, anywhere in the world, their drones help to digitize each individual plant. After all, more information about plant growth makes even more sustainable cultivation possible. The company is now 2 years old and all investments are in the development of the automatically flying drone. A grower defines a flight plan, presses the start button on his smartphone and the drone performs its tasks fully automatically. The generic 'drone data' is then used for various data analyses that are of value to the grower. Corvus' artificial intelligence partners make these data analyses, such as the seedling count of Track32.

Track32 is a computer vision and artificial intelligence specialist that focuses on the agricultural sector. The mission of Track32 is to make computer vision and AI available as a daily tool for every organization. With solutions in agriculture, horticulture, research and logistics, processes are optimized through the application of new techniques. Track sees the drone as a scalable and efficient solution to obtain large amounts of data for its computer vision solutions. Using deep learning, seedlings are identified, counted and measured. The grower then receives a report of the leaf area per plant, and the germination percentage per tray, per batch or per location.

With their preferred partnership Corvus Drones and Track32 confirm their already existing cooperation. With the intensification of the cooperation both companies share their vision on the market and the many possibilities. It leads to more applications and a shorter development time. In the near future applications will be developed in the field of crop and delivery stage monitoring, disease & pest scouting and harvest forecasting in potted plants and fruit vegetable crops. The first seed companies, young plant breeders and pot plant companies have already started using the applications.

For more information:

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Enclosed:

- Photo with from left to right: Gerhold ten Voorde, Joris IJsselmuiden, Frans-Peter Dechering, Simon Schimmel

