

Kavel 10 Aerial Mapping pioneers from the Netherlands chose Phase One PAS 880 system to improve productivity

Best in Class Image Quality with Outstanding Time-Saving Workflow Key to Selection

COPENHAGEN, 12th May 2022 – Phase One, a leading developer of digital imaging technologies, today announced that Kavel 10 has selected the Phase One PAS 880 large-format nadir and oblique aerial camera system to solve their major mapping projects in the Netherlands. The PAS 880 system will enable Kavel 10 to leverage the industry-leading software workflow with the highest value sensors to achieve unmatched performance with the confidence that every dataset is accurate and complete.

The PAS 880 system is the most productive combination of nadir and oblique cameras on the market able to fly high resolution and blur-free images by the advanced shutter control produced by Phase One. The market leading image quality and accuracy combined with 2 frames/second data collection rate make the PAS 880 a large-format aerial mapping solution that is unrivaled in its productivity and performance. With the PAS 880 system, Kavel 10 will be able to both collect high-quality nadir images by a large swath, but at the same time also get oblique images. This will enable Kavel 10 to deliver effective coverage both for open land and dense city areas in high resolution.

“We have always been great fans of Phase One’s exceptional image quality. The PAS 880 allows us to benefit not only from great image quality but also offers the best efficiency and productivity on the market.” outlined Albert Brouwer, Co-Owner and Head of Flight Operations at Kavel 10. “We have been growing at a very high rate, and the PAS 880 is essential in helping us continue this growth, as it enables us to fulfill projects significantly faster and more efficiently, still, with world class image quality and data.”

The deep integration of the PAS 880 and the iX Suite software not only ensure a faster solution but give full quality control from start of flight planning to final product. The system’s reliability and real-time data quality control build trust with customers by always delivering projects on time at the highest quality. With it, Kavel 10 can review image quality already when flying and right after landing a full day’s flight with 14,000 images that can be reviewed and processed in a few hours – all documented in an advanced and automatic generated report

“We are very excited to team up with Kavel 10” said Felix Puls, Business Manager Phase One Aerial Systems. “Kavel 10 is known for using the most innovative technologies available to acquire state of the art map data for clients. By leveraging the PAS 880 technology, Kavel 10 can deliver effective coverage both for open land and dense city areas in the highest quality in record time.”

Kavel 10 will fly the PAS 880 aboard its twin-engine Tecnam P2006T aircraft. The PAS 880 covers wide flight lines with 20,000 pixels across in nadir and 14,000 pixels in each of the oblique angles. The system can be operated at a variety of airspeeds, altitudes, and lighting conditions for cost-effective blur-free image collection, with a maximum spatial resolution of 2.5 centimeters at 600 meters altitude. The combination of 90 mm nadir and 150 mm oblique camera lenses ensures balanced ground resolution.

For the Netherlands National Mapping Program and other applications, the high-resolution 2D imagery collected by the PAS 880 will meet or exceed traditional photogrammetric nadir mapping requirements

supported with oblique images, while the combination of nadir and oblique for 3D data will be ideal for city mapping and related applications where a 360-degree perspective is required.

These commercial applications include Smart City management such as municipal planning and environmental monitoring as well as insurance, asset inventories, tax assessment, computer simulations, reality/digital twin capture, and mass modeling.

About Kavel 10

Delivering high-quality data with meaningful innovations is what Kavel 10 stands for. With a young and motivated team of about 20 people strong, Kavel 10 is always ready to deliver fast and accurate work. Kavel 10 is actively seeking partners for European coverage and are happy to come and fly a demo with the PAS 880 anywhere in Europe. If interested, please contact the Kavel 10 office directly.

Due to their flat organizational structure, the internal lines are short and they have great flexibility towards their customers. By investing in both materials and their people, Kavel 10 try to maintain a head start in the rapidly changing market.

More about Kavel 10 here <https://en.kavel10.nl/>

About Phase One

Phase One A/S is a leading researcher, developer and manufacturer of medium format and large format digital cameras and imaging Systems.

Founded in 1993, Phase One is a pioneer of digital photography. Phase One has developed core imaging technologies and a range of digital cameras and imaging modules, providing the world's highest image quality in terms of resolution, dynamic range, color fidelity and geometric accuracy. As such, Phase One has grown to become the leading provider of high-end imaging technology across many demanding business segments, such as aerial mapping, industrial inspection and cultural heritage digitization, as well as serving the world's most demanding photographers.

Based in Copenhagen, Denmark, and with regional offices in New York, Denver, Cologne, Tel Aviv, Tokyo, Beijing, Shanghai and Hong Kong, Phase One nurtures long-term relationships with customers, technology partners and its global network of distributors, often playing the role of digital imaging partner to customers with special requirements. It is with this passion for service that Phase One continually exceeds expectations and drives the imaging industry forward.

More about Phase One here www.phaseone.com

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