A WORD FROM OUR MANAGING DIRECTOR

Dear Reader,

I'm happy to to revive the greateyes newsletter after a period of silence, now in a new format and fresh design. With our brand and team expanding, we have more products and stories to share. Stay informed about all aspects of the company, including product features, inside stories, upcoming events, and more, with our quarterly newsletter.

What a year, what a race!

In 2023, greateyes experienced significant milestones. We were acquired by Tibidabo Scientific Industries in April, opening up exciting new avenues for innovation across various fields. With access to Tibidabo's expertise, we're enthusiastic about the opportunities ahead and confident in our ability to thrive within the Tibidabo family for the benefit of our customers, friends, and partners.

In August, we moved to our new headquarters in Berlin Adlershof, a historic hangar offering ample space for growth. Overcoming relocation challenges, we swiftly boosted production, culminating in a remarkable Q4 performance, our second-best quarter to date. The year ended on a high, with a notable 89% revenue increase compared to 2022.

I hope you'll enjoy browsing through the newsletter. Thank you so much for being part of our story – may it be as customer, partner, friend, or team member.

Best Regards,
Roman Kemmler

TEAM MEMBER SPOTLIGHT

Nursulton Abdurakhimov
Doctoral Researcher (PhD)

What's your role at greateyes?
My role at greateyes involves developing a EUV/soft X-ray sensitive sCMOS camera for high repetition rate imaging and spectroscopy, as well as single-photon detection. This camera is crucial for sensitive, transient soft X-ray absorption experiments.

How long have you been at greateyes?
I joined greateyes in October 2021

What does your role involve?
My role involves the development and characterization of an EUV/soft X-ray Single-Photon Sensitive sCMOS Camera. As part of the SMART-X ITN network, I actively participate in network activities, present my research at SMART-X meetings, conferences, and workshops to gain exposure to the scientific community. I also collaborate with colleagues in the same experimental environment, ensuring coordination of work. Further, I maintain cooperation with external institutions and scientists to gain expertise on experimental setups and measurement techniques in ultra-fast X-ray spectroscopy.

What do you do outside work?
Outside of work, I engage in learning German, exploring interesting places in Berlin, and participating in sports activities.

What led you to work in the field of cameras and inspection systems?
With a background in Photonics and a keen interest in engineering, I was drawn to the field of cameras and inspection systems. The prospect of contributing to the development of cuttingedge imaging solutions aligns with my passion for applying scientific and engineering principles to advance technology.

What's your favourite thing about working at greateyes?
My favorite thing about working at greateyes is the collaborative and supportive environment within the team. Being part of the greateyes team allows for shared experiences, knowledge exchange, and collective efforts toward innovative advancements in the field.

PRODUCT HIGHLIGHT

ELSE Camera

Since its 2019 launch, ELSE, greateyes' versatile camera platform, has earned global acclaim for its broad applicability in spectroscopy and imaging across UV, VIS, and NIR ranges. Users value its flexible features, including adjustable binning, multiple readout speeds, and various trigger/synchronization modes. These compact cameras deliver market-leading signal-to-noise ratio (SNR) via true 18-bit digitization and deep-cooled, high-performance CCD detectors.

Typical applications include LIBS or Raman spectroscopy, (in-vivo) fluorescence imaging, luminescence imaging, astronomy, and more.

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New Product Introduction

To meet growing industrial demand, we're excited to announce the addition of the ELSE-s 2k256 series to our ELSE camera family. This new series offers three sensors: FI, BI DD, and DD NIR. With a narrow sensor format of 2048 × 256 pixels, it's ideal for spectroscopic applications requiring high spatial resolution along the dispersion axis, all while reducing costs and sensor surface compared to the 2048 × 512 pixels series.

Typical applications for this camera series is Raman spectroscopy.

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Effect of UV Scattering on Detection Limit of SO2 Cameras.

Discover how one of greateyes camera systems was used in a recent study investigating UV scattering on SO2 concentration inversion through theoretical modeling and experimental validation.

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COMPANY NEWS & EVENTS

Welcoming our New Employees

We are delighted to welcome two new team members to greateyes. Monique Mvogo joined the Sales Department as our new Sales Engineer. Vaishnavi Joshi has joined the Finance & Controlling department as our new Financial Accountant.

Monique Mvogo - Sales Engineer.

Vaishnavi Joshi - Financial Accountant.

Recent Tradeshows and Events

During January and February we took part in three different Tradeshows; MAX IV in Sweden, DESY user meeting in Hamburg and SPIE Photonics West in San Francisco. It was great to catch up with our customers at the shows and showcase our latest scientific cameras and optical inspection systems.