



*The SS&TP has allowed optiPulse easy access to our process engineering development and cooperation with the Center for Integrated Nanotechnologies located just down the street. We are also looking forward to upcoming SS&TP Company Leadership Luncheons.*

John Joseph, CEO, optiPulse Inc.

### COMPANY, ORGANIZATION & PARTNER NEWS

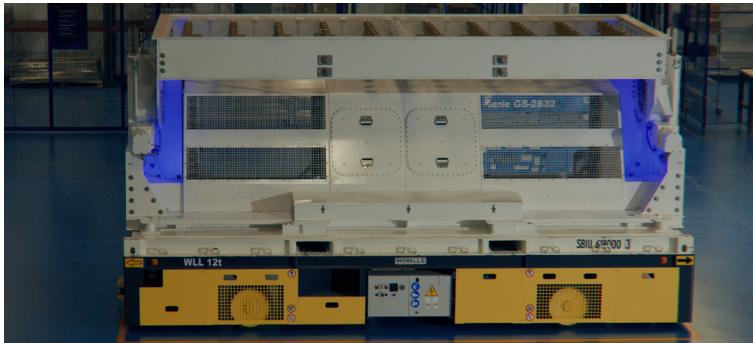
#### optiPulse Moves into the Park

Recently relocated to the SS&TP, optiPulse has developed a patented semiconductor chip technology that enables optical data transmission 10 to 100 times faster than traditional radio frequency connections. Using infrared laser diode arrays the size of a pinhead, this technology supports free-space optical communication links to enhance current 5G deployments. Initial applications include satellite-to-satellite and high-speed earth-to-space data links, with potential rates exceeding 200 Gbps. Future applications involve CubeSat space links and terrestrial backhaul solutions, advancing 5G and the upcoming 6G infrastructure for IoT, AI, and AVs. The company has collaborated with Sandia National Laboratories and anticipates having ten employees in the Park office.



#### BlueHalo Expands Production Capacity

To accelerate production and meet the urgent national security demand for BlueHalo's BADGER multi-beam, multi-band ground terminal antenna system, the company is making key manufacturing investments within the SS&TP to support the U.S. Space Force Space Rapid Capabilities Office SCAR program. New integrated testing technology allows for large-scale testing to be completed over days as opposed to one month with manual testing—maintaining consistent quality while reducing production timelines to deliver faster.



#### BioFlyte Announces Collaboration with SoBran

BioFlyte, a chemical and bioaerosol surveillance firm, is collaborating with SoBran to protect SoBran's clients, which include the National Institutes of Health, the Department of Homeland Security, and Fortune 500 companies, from mail-borne threats. BioFlyte's BioTOF z200 monitoring sensor uses mass spectrometry to detect dangerous substances such as anthrax, fentanyl, and viruses. The company currently has 20 employees and is planning to scale up manufacturing and grow its workforce by 50% per year in the coming years.



#### City Council Accepts CPA Assessment Report

The Albuquerque City Council has accepted the East Gateway Community Planning Area Assessment Report, which outlines policies and actions to address community priorities, including those for the SS&TP. Recognized as a key employment hub for the area, city, and region, the report emphasizes the SS&TP's significance and addresses housing, transportation, and planning needs. A heartfelt thank you to everyone from the SS&TP who contributed to this collaborative effort!



### TOUR THE PARK

#### Visit Our Premier Technology Community

To learn more about the SS&TP and arrange a tour, please reach out to Linda von Boetticher at [lvonboe@sandia.gov](mailto:lvonboe@sandia.gov).

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