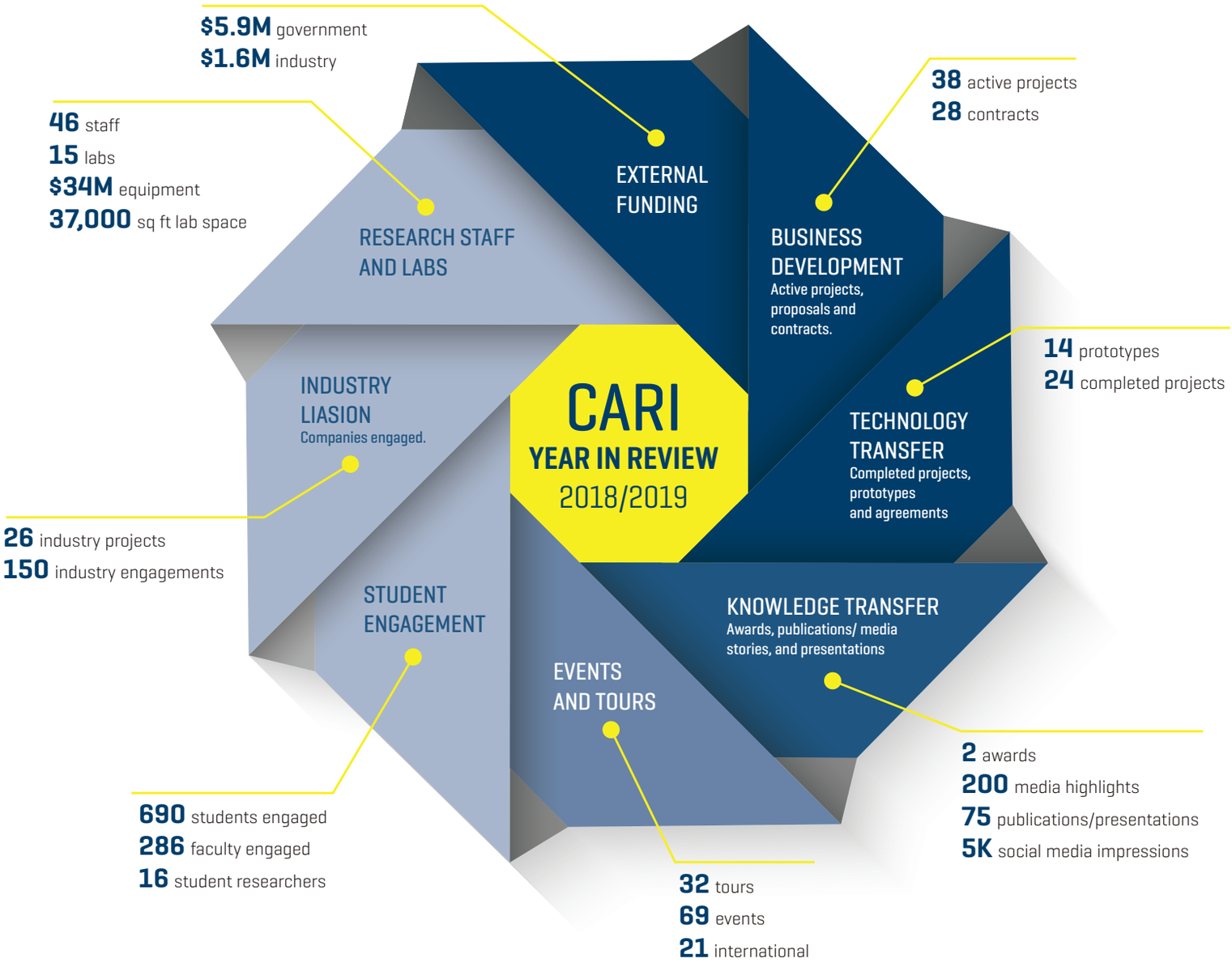
CENTRE FOR APPLIED RESEARCH AND INNOVATION

INNOVATIVE SOLUTIONS TO REAL-LIFE PROBLEMS



Applied research at BCIT is exciting. It creates practical learning opportunities for BCIT's students, provides innovative solutions to industry challenges, and produces new, commercially relevant technology products and applications.

BCIT researchers and research groups have been working with industry clients for 30 years, helping companies and organizations develop new technologies, products and services.

For more information visit **bcit.ca/appliedresearch**.

MAKE+ TEAM

NATURAL HEALTH AND FOOD PRODUCTS RESEARCH GROUP (NRG)

SMART MICROGRID APPLIED RESEARCH TEAM (SMART)

APPLIED RESEARCH LIAISON OFFICE TEAM (ARLO)

BCIT CENTRE FOR APPLIED RESEARCH AND INNOVATION

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bcit.ca/appliedresearch

BCIT™

The Centre of Applied Research and Innovation (CARI) has been a hub of interdisciplinary research projects for business and industry for 30 years.

CARI AREAS

MAKE+ Product Development Experts is an interdisciplinary research group focused on product development, applied research and education. The team is capable of taking complex projects and ideas from requirement discovery and concept development through to certification and product validation.

The **Natural Heath and Food Products Research Group (NRG)** concentrates on issues related to natural health and food product quality, process improvement, and human health. NRG's goal is to ensure that all Canadians can achieve the potential health and economic benefits offered by natural health products, medicinal plants, and food products.

The **Smart Microgrid Applied Research Team (SMART)** converges expertise in the information technology, communications engineering, and energy management fields to develop prototypes and solutions for complete applied research problems. SMART helps stimulate BC's economy through collaborative projects with other academic institutions, industry, and government.

The **Applied Research Liaison Office (ARLO)** provides a wide range of support services and guidance to BCIT faculty, researchers, students, and industry partners. ARLO helps facilitate solutions to industry challenges, creates beneficial partnerships and practical learning opportunities for students, assists BCIT faculty and researchers with their research programs, and supports commercially relevant new technology products and applications.

A FEW 2017/2018 HIGHLIGHTS

- Process before product: MAKE+ researcher Lisa Boulton's work is enabling ethical, innovative product development in Uganda.
- Cannabis beverages in the brew: NRG and UBC partner with private cannabis company.
- SMART team was awarded the 2018 Environmental Award from the City of Burnaby
- CARI was highlighted at the 2018 BC Tech Summit with two displays: SMART Bringing Energy to Rural and Remote Communities and MAKE+ 3D Scanning for Prosthetics.
- Completion of our SMART Critical Infrastructure Cybersecurity Lab in Wing B of the CARI building.
- For more than a decade, MAKE+ has more than 1,900 research hours logged, for a large US-based healthcare company worth $699 million.
- Dr. Paula Brown received a letter of appointment as a visiting Professor of Pharmacy Science at Hunan University of Chinese Medicine.
- 2018 Student Innovation Challenge winners: The Entrepreneurship awards went to Divine Natural Bars, Hempkin and Morty Board. The Applied Research awards went to Combined Source Geo Exchange System, ROCES: Recovery and Optimization for Copper Recovery Systems, and VOLANTIS Convertible Drone.
- The Applied Research Liaison Office hosted the 2018 BCIT New Innovations Applied Research Symposium on Friday, June 8 at the BCIT Burnaby Campus. This event brought together staff, faculty, students, and researchers from all schools and the services that support applied research at BCIT.
- Dr. Jaimie Borisoff and his team received an *Innovation to Commercialization* award from the Michael Smith Foundation for Health Research.