

Unmanned Vehicles, Robotics and Intelligent Systems Seminar

Introduction

June 3, 2015

Ken Brizel
CEO, ACAMP
kbrizel@acamp.ca



- ❖ ACAMP established as a not for profit corporation, July 2007
- ❖ Operational funding from the Province of Alberta (Now AITF)
- ❖ Equipment funding from the Federal Government through Western Economic Diversification
- ❖ Total \$14M invested by the Province & \$15M by WD
- ❖ ACAMP is an Industry led organization - Independent from Academia and Government.
 - ❖ Senior Management have 20 years+ relevant industrial experience
 - ❖ Managing board is industrial lead and finance communities

Why is ACAMP running this seminar ?

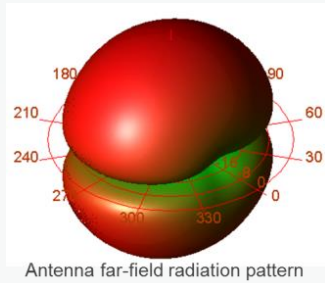
Unmanned Vehicles, Robotics and Intelligent systems are growing rapidly in the industry, not only in Alberta but throughout the world. Innovative solutions are being developed on a daily basis. These solutions are making data capture safer, performing work with higher quality, and offering significant cost savings over traditional methods.



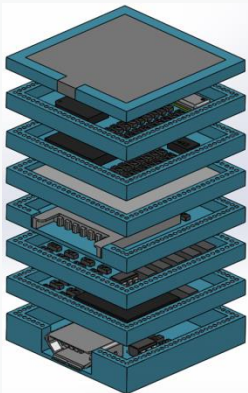
ACAMP makes it easier for companies engaged in product commercialization to access the expertise and equipment they need to develop new products

- ❖ Design & Development
- ❖ Assembly and packaging
- ❖ Supply chain
- ❖ Business development
- ❖ Easy, cost effective access to all technologies and services for regional companies
- ❖ Dissemination of knowledge
- ❖ Seminars enable networking and business growth !!

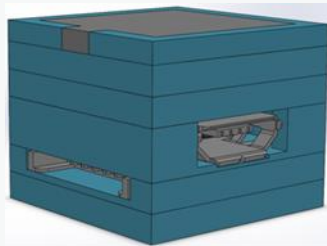
Simulation



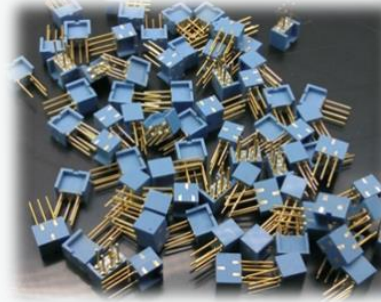
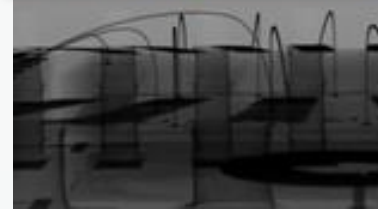
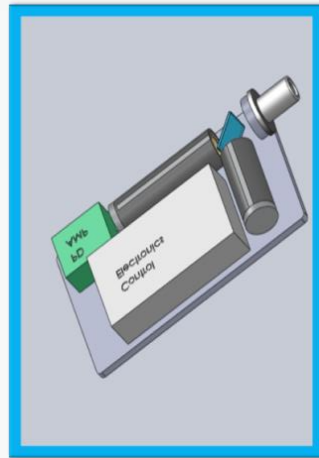
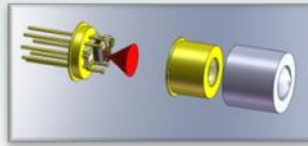
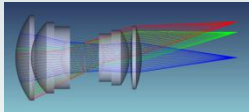
Inertial Products



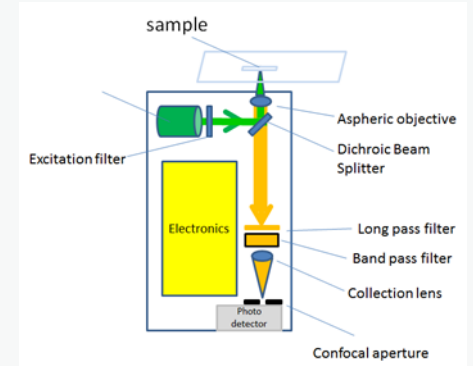
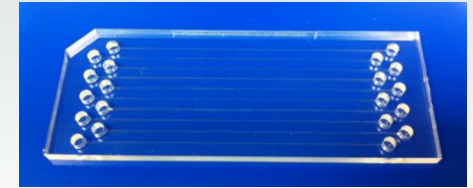
IMU's

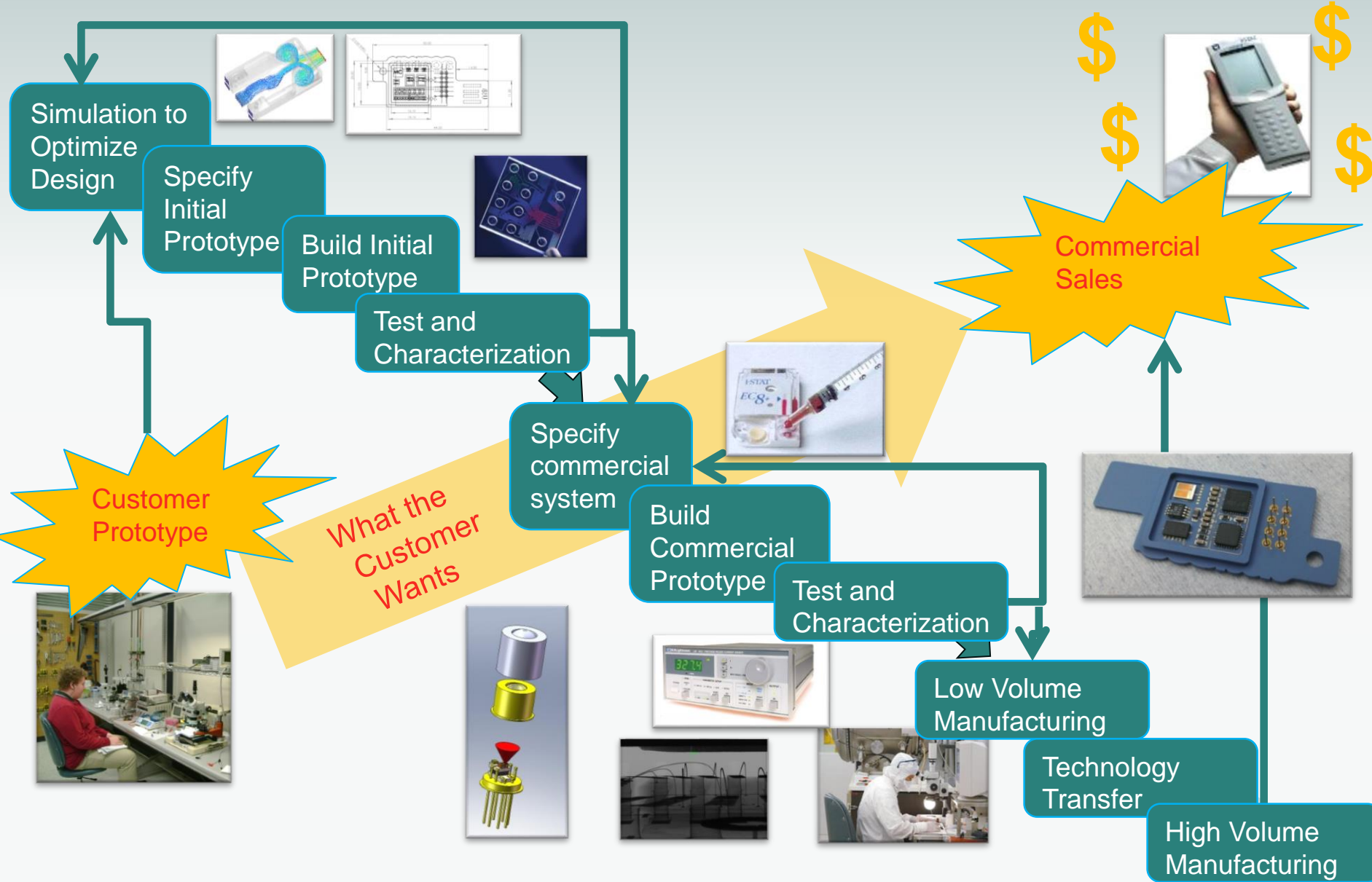


Laser & Micro-Optic & Ceramic Assembly



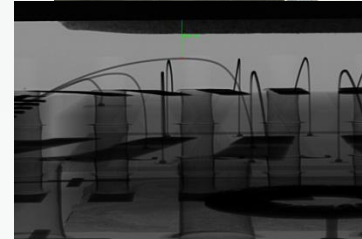
MicroFluidic Products





Product validation is important !!

- ◆ **Inertial Products** 3 Axis Rate Table
- ◆ **Physical/FA** – optical microscopes, laser confocal microscope, SEM/EDS, microscopes, profilometer, cross sectioning, real time x-ray, Laser Doppler vibrometer, die/wire shear/pull, pressure testing
- ◆ **Reliability** - comprehensive suite of test tools – HTS, Thermal cycle, Temp/humidity, Vibration, Drop shock, compressive/tensile, fine and gross leak...
- ◆ **Electrical** - semi-auto probers, manual probers and suite of electrical test tools
- ◆ **MEMS** - die probe capability – Solidus test system + prober
- ◆ **Optical** – dark room, optical table, range of devices for optical measurements



- ❖ ACAMP is an industry driven hardware development organization
- ❖ Focuses on design for manufacturing & taking products to market
- ❖ Simple fee for service model looking for cost recovery
 - ❖ Depreciate equipment over 5 years
 - ❖ Manpower charged out at cost
- ❖ Client owns and keeps their IP, we don't want it
- ❖ New packaging IP developed collaboratively is jointly owned
- ❖ Client can use facilities, with or without support
- ❖ Presently support over 210 clients - www.acamp.ca

Thank-you to our sponsors
for today's seminar

Sponsored by:



Supported by:

