




CENGN - Centre of Excellence in Next Generation Networks, is an organization funded by the NCE (Networks of Centres of Excellence) CECR Program (Centres of Excellence for Commercialization and Research) and the Government of Ontario’s NGNP (Next Generation Network Program). CENGN is a consortium made up of its industry members responsible for the majority of R&D in Canada. CENGN ensures that Canadian small and medium enterprises (SMEs), start-ups, and researchers have access to industry guidance and knowledge as well as a multi-vendor open-platform for validation of their technologies and services.

### What We Offer

CENGN provides Canadian SMEs with an opportunity to utilize its world-class infrastructure and professional resources to migrate their technology from innovation to commercialization. We assist SMEs in running individual projects in order to test, evaluate, scale or provide a proof-of-concept for their technology. CENGN offers:

Infrastructure Services	Engineering Services	Business Support
<ul style="list-style-type: none"> <li>• Cloud Tenancy</li> <li>• Bare Metal</li> <li>• Hardware Hosting</li> <li>• 100G Optical Transport</li> <li>• LoRa Gateway</li> <li>• Pharos Community Lab</li> </ul> 	<ul style="list-style-type: none"> <li>• POC/Demo Building &amp; Integration of Software/Hardware</li> <li>• Technical Project Management</li> <li>• Cloud &amp; Networking Expertise</li> </ul> 	<ul style="list-style-type: none"> <li>• Product Management</li> <li>• Domestic &amp; International Event Support</li> <li>• Demo Showcase</li> <li>• Member &amp; Industry Networking</li> <li>• Marketing</li> </ul> 

### Project Areas

CENGN accepts projects from a wide range of Information and Communications Technology areas including:



### What are the SME Requirements?



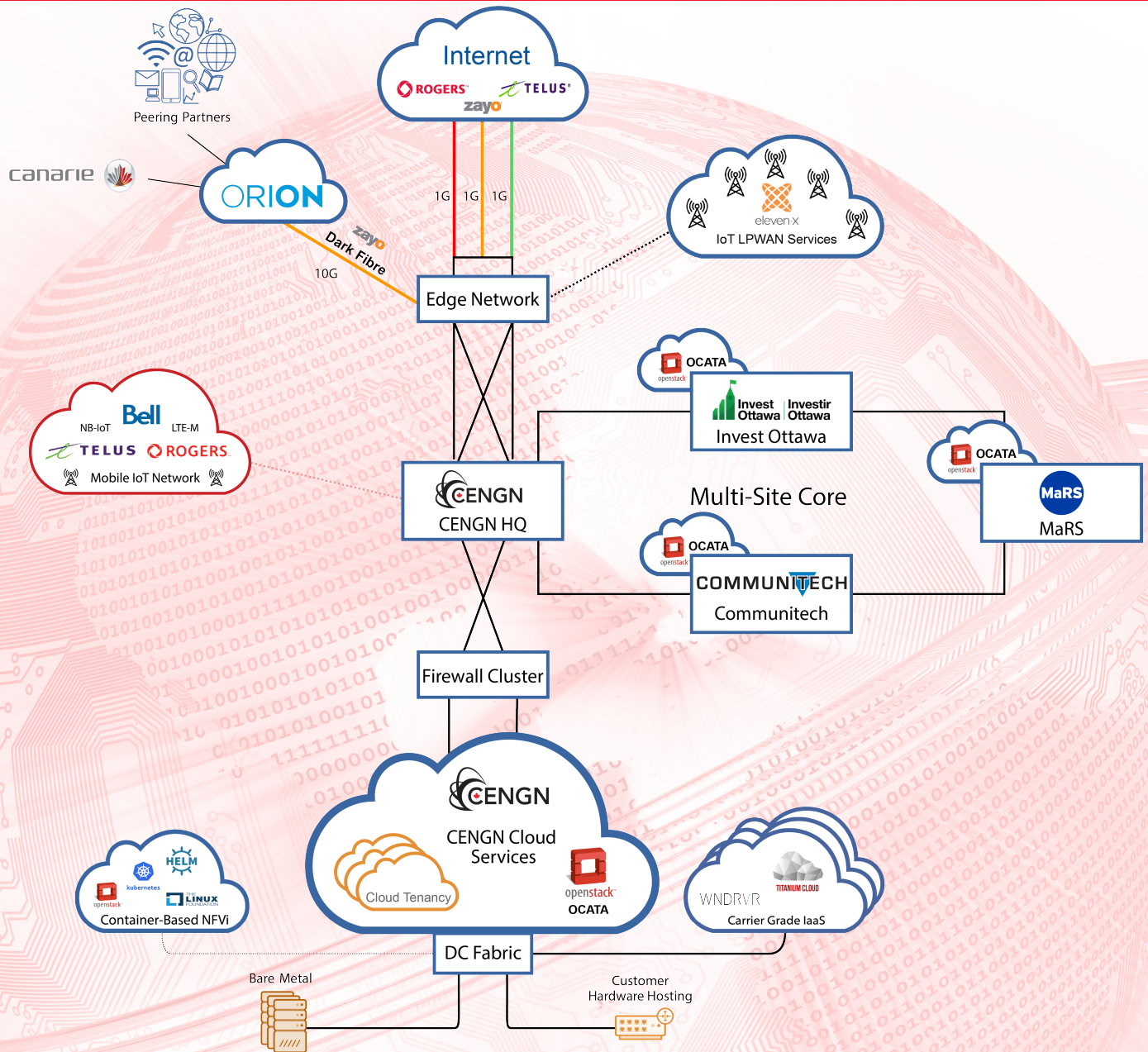
- Canadian company or wholly-owned Canadian subsidiary
- Fewer than 500 employees
- Technology at the innovation and development phase

### How Does an SME Get Started?

CENGN provides a simple method for SMEs to have an initial project review on their innovative technology. Organizations interested in completing a proof-of-concept project can visit [www.cengn.ca/projects](http://www.cengn.ca/projects) and fill out an online application form providing a brief overview of their company, technology, and what they would like to achieve by working with CENGN. All applicants are then directly contacted by CENGN for further project review. If you have any questions with respect to CENGN services, suitability of projects, eligibility or general inquiries, please visit [www.cengn.ca/service-view/small-medium-enterprise/](http://www.cengn.ca/service-view/small-medium-enterprise/) or email [services@cengn.ca](mailto:services@cengn.ca).



# CENGN Open Cloud Infrastructure



- Multi-vendor infrastructure
- CENGN member in-kind contribution
- White-box servers and switches
- Open source software for cloud infrastructure and operational support systems
- OpenStack-based cloud infrastructure with 80G underlay
- Multi-layered data centre network: redundant access, core and edge
- High bandwidth external network connections
- Multi Gbps Internet transit
- 10G connection to public cloud service providers
- 2x100G WAN metro link
- LoRa LP-WAN antenna and gateway - long range low power wide area network technology for IoT projects
- CENGN mobile core/home network

[www.cengn.ca/service-view/cengn-infra/](http://www.cengn.ca/service-view/cengn-infra/)

