



# CAPABILITY STATEMENT

Tyne USA, Inc. is a U.S. corporation and a subsidiary of Tyne Engineering, Inc. We are committed to extending Tyne Engineering’s experience in the design and manufacture of complex engineering systems in the fields of process engineering, mechanical engineering, and instrumentation and controls for nuclear and tritium-handling industries to our valued customers.

## ABOUT TYNE ENGINEERING, INC.

Tyne Engineering, Inc. has over 25 years of experience providing superior products, innovative systems and unsurpassed services related to the measurement, detection, monitoring and handling of tritium. They deliver leading solutions for the nuclear industry, health physics, research, nuclear medicine, homeland security and nuclear decommissioning.

Experience has come from extensive work in the following areas:

- Nuclear power plant control and instrumentation systems.
- Electronic circuit design.
- Skid-mounted modularized systems of high cleanliness, low leakage, high temperature / cryogenic temperature.
- Tritium handling and radiation measurement equipment.
- Purchasing, qualification, reverse engineering of obsolete / hard-to-find nuclear components.
- Site work (construction, installation, commissioning, service).
- Equipment Qualification and Testing (Seismic, EQ, Commercial Grade Dedication)

## CORE COMPETENCIES

### Skid-Mounted Process Systems



- Tritium, Oxygen, Hydrogen Systems
- Failed Fuel Location System
- Off Gas Management
- Radiation Monitoring Systems
- Hydrogen Monitoring Systems
- Heavy Water Upgrading
- Tritium Removal

### Safety Related Nuclear Components



- Electronic Modules
- In-Core Amplifier
- Shutdown System Power Supplies
- Relays and Timers
- Instrumentation Panels
- Tritium Monitors
- Neutron Detectors

### System Control Software



- Reverse-Engineering Obsolete Components
- Full Process Documentation
- Testing and Commissioning

## INDUSTRY CERTIFICATIONS

• CSA-N286.2 by CANPAC • CSA-Z299.1 by CANPAC and QMI • EPRI-NP-5625 (for CGD by CANPAC) • ISO9001:2000 by QMI • TSSA certification to ASME Section VIII Division 1 • TSSA certification to ASME B31.3 • TSSA certification to CSA B51



## CORE CUSTOMERS



Canadian Nuclear Laboratories  
Laboratoires Nucléaires Canadiens



## NAICS & PSC CODES

- 334419 Electronic Component Manufacturing
- 334516 Analytical Laboratory Instrument Manufacturing
- 334517 Irradiation Apparatus Manufacturing
- 334519 Other Measuring and Controlling Device Manufacturing
- 541330 Engineering Services
- 541715 Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
  
- 4470 NUCLEAR REACTORS
- H958 OTHER QUALITY CONTROL, TESTING, AND INSPECTION- COMMUNICATION, DETECTION, AND COHERENT RADIATION EQUIPMENT
- N058 INSTALLATION OF EQUIPMENT- COMMUNICATION, DETECTION, AND COHERENT RADIATION EQUIPMENT
- J058 MAINTENANCE, REPAIR, AND REBUILDING OF EQUIPMENT- COMMUNICATION, DETECTION, AND COHERENT RADIATION EQUIPMENT
- H158 QUALITY CONTROL- COMMUNICATION, DETECTION, AND COHERENT RADIATION EQUIPMENT
- H358 INSPECTION- COMMUNICATION, DETECTION, AND COHERENT RADIATION EQUIPMENT
- K058 MODIFICATION OF EQUIPMENT- COMMUNICATION, DETECTION, AND COHERENT RADIATION EQUIPMENT
- H258 EQUIPMENT AND MATERIALS TESTING- COMMUNICATION, DETECTION, AND COHERENT RADIATION EQUIPMENT

### TYNE USA, INC.

DUNS: 117411833  
CAGE: 8HEU4  
State of Florida  
Small Business

### TYNE ENGINEERING, INC.

DUNS: 251522405  
CAGE: L03R2  
Ontario, Canada  
Small Business

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