

# Hedgehog Technologies Fact Sheet



As a premium electrical engineering firm, Hedgehog Technologies excels in delivering end-to-end electrical expertise, innovative design, and unparalleled on-site service. We work for businesses who demand real-time, practical solutions without sacrificing whole-picture thinking. Our well-crafted engineering solutions can save you money and transform your goals for energy efficiency and environmental sustainability into results that work in real-world settings. From reducing your carbon footprint by minimizing greenhouse gases and energy, to designing safety rated state-of-the-art motion control systems, we collaborate with our clients to find the highest-value solution.

## HISTORY:

The company was founded in 2001 by Dr. Michael Wrinch, P.Eng., PMP. Hedgehog Technologies Inc. is a registered corporation in the Province of British Columbia, has one office located in Burnaby and is registered under the controlled goods program. The company website can be found at [www.hedgehogtech.com](http://www.hedgehogtech.com).

## CLIENT BASE:

From urban centres to the most remote communities in British Columbia, across Canada, Asia, and around the world to the Outback of Australia.

## VISION:

To develop premier electrical engineering solutions that better both the local community and the world.

## VALUES:

At Hedgehog Technologies we are committed, approachable experts who think holistically and strive to create high impact outcomes for all our clients.

## EXPERTISE:

Hedgehog Technologies is a consulting electrical engineering company that offers a full range of electrical and electronic professional engineering and project management services. The company has significant experience designing innovative energy, industrial, marine and rail systems that require high performance, safety and exceptional reliability crossing multiple standards.

## KEY INDUSTRIES:

Energy Systems, Renewable Energy, Industrial Power & Control, Rail, Marine, Amusement Rides



**Company:** Hedgehog Technologies Inc., a registered corporation in British Columbia.  
**Ownership:** 100% Canadian  
**Size:** Small Business (<250 Employees)  
**Year Founded:** 2001

**Registered in Controlled Goods Program under certificate number:** 26378 Hedgehog Technologies currently has: Protected B security clearance

## HOW WE WORK:

At Hedgehog, we think like business people as often as we do engineers. That means we bring sound knowledge and strategic advice and work with you to make the best decisions for your business today – and tomorrow. Hedgehog Technologies uses a collaborative project management style, one that provides a seamless integration into the client's environment. We achieve this by incorporating the client's familiar processes and tools while applying additional tools and templates that Hedgehog Technologies has developed.

## OUR SERVICES:

### ENGINEERING AND DESIGN

- DC Systems, Breakers and Short Circuit Control
- Industrial Control and Automation
- Motor Control Centres, Soft starting or VFDs
- Safety Instrumented Systems compliant to IEC 61508/ANSI 84
- Intelligent Power Systems and Advanced Metering Solutions
- Power Systems Modeling and Transient Analysis
- Systems Integration
- Design in hazardous locations, gas
- Development of specifications
- Advanced automation, motion control
- Rail Systems engineering
- Renewable Energy systems

### PROJECT MANAGEMENT

- Multidisciplinary Integration
- Risk Assessment
- General Contracting
- Proposal Development
- Process Flow and Systems Design

### ASSESSMENT AND INVESTIGATION

- Cost Estimates
- Feasibility Studies
- Code and Standards Compliance
- Functional Safety Assessment / LOPA
- Cost Benefit Analysis

## WHAT OUR CLIENTS SAY:

- “Mike (Michael Wrinch) can explain the knowledge/rationale behind his recommendations. He can educate us, the client, and enrich our ability to make a good choice. This really goes a long way.”
- “Hedgehog is vested in, and cares for, who they work with and what they work on.”
- “Hedgehog helps take a ‘fantasy’ and make it a reality – affordably”.

## CUSTOMERS (NOT SUBJECT TO NDA):

- Powewertech Labs/ BC Hydro
- Pentair / Nuheat
- Pulse Energy / Enernoc
- Clean Energy Compression
- NCC Development Corp.
- OceanWorks International
- International Submarine Engineering
- Dynamic Structures

## ACHIEVEMENTS:

- APEGBC-certified Organizational Quality Management System (OQM)
- Leadership: Hedgehog principal Michael Wrinch, President of APEGBC

