



appletoncontrolsystems.com
+1 (920) 725-1173 • info@acsengr.com
1011 River Ave. • Iron Mountain, MI 49801

■ IRON MOUNTAIN, MICHIGAN • MADE IN USA

ENGINEERED CONTROL & MECHANICAL SOLUTIONS BUILT FOR THE HARSHTEST ENVIRONMENTS

Low-volume production and engineering that goes beyond the requirement — controls, tensioning, and lifting systems for shipboard, utility, mining, and industrial operations.



Delivering critical control and mechanical solutions for harsh environments.

WHO WE ARE

Appleton Control Systems is an engineering-led U.S. manufacturer and systems integrator in Iron Mountain, Michigan. Since 1997 we've solved the technically demanding, low-volume problems larger contractors avoid — the custom control panel, the one-off drive system, the compliance package that has to pass. **We don't just build to drawings.** We help customers define and refine complex requirements, then support the hardware through installation and commissioning — defense-grade discipline applied across marine, mining, industrial, and utility work.

1997 FOUNDED	Iron Mountain, MI U.S. MANUFACTURING	150+ yrs COMBINED ENGINEERING	Small Business ENGINEERING-LED	Made in USA DOMESTIC SUPPLY
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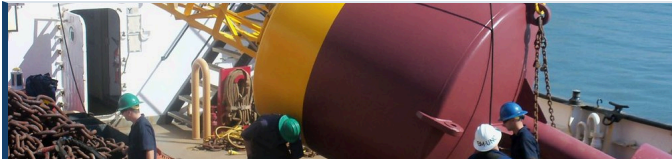
WHAT EVERY PROJECT GETS

01 Compliance-Ready Engineering that passes the test	02 Integration Expertise Proven and industry-aware	03 Lifecycle Value Reliability that lasts	04 Change-Ready Collaborative engineering	05 Cost Advantage Defense-grade, competitively priced
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ENGINEERING & COMPLIANCE CAPABILITIES

◆ 3D CAD design — SolidWorks, AutoCAD, and Inventor	◆ FEA analysis — including dynamic simulation	◆ PLC software — development, controls design & test
◆ Hydraulic systems — engineering and integration	◆ Defense specs — MIL-DTL-901, 167-1A, 461	◆ Field engineering — aboard ship or on site

MARKETS WE SERVE



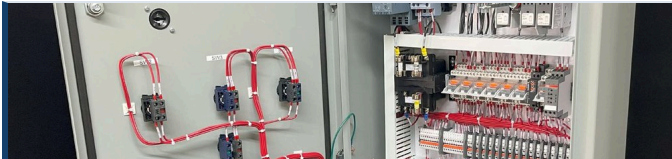
MARINE & NAVAL DEFENSE

Shipboard HVAC and heater controllers, UNREP systems, deck machinery, and power distribution — qualified to **MIL-DTL-901 shock**, **MIL-STD-167-1A vibration**, and **MIL-STD-461 EMI**.



MINING & HEAVY INDUSTRIAL

Automatic belt tensioners and jackshafts for rock crushers up to **1,300 HP**, plus motor and automation controls. **150+ tensioner units fielded** — some running 20+ years — cutting downtime and bearing loads.



COMMERCIAL & UTILITY

Custom control panels, relay and switchgear panels, automatic bus transfer, and PLC/motor controls for utilities and industrial plants. **Real design engineering — not build-to-drawing.**



ENGINEERING SERVICES

System design, controls and electrical engineering, PLC software, FEA, and hydraulics — offered as a value-added service. We **build and support what we design.**

WHY ACS OVER THE ALTERNATIVES

- ◆ **vs. large defense primes** — more agile and lower-cost, and interested in the one-off work big primes ignore.
- ◆ **vs. local panel shops** — real design engineering plus marine and defense credibility.
- ◆ **vs. global HVAC specialists** — domestic and custom-focused, with ongoing engineering support.
- ◆ **vs. commercial automation firms** — deep marine/defense experience and ruggedized mechanical capability.

HOW WE ENGAGE

01

Technical Discovery

We start with your requirement, not a sales pitch.

02

Requirements & Collaboration

We clarify what the spec doesn't cover and align on documentation.

03

Solution & Proposal

We develop the design and deliver a formal proposal with scope and schedule.

04

Install & Commission

We support installation and commissioning, on site or in the field.

START AN ENGINEERING CONVERSATION

Bring us the problem the drawing doesn't fully solve. We'll tell you how we'd approach it — before there's ever a quote.

CALL +1 (920) 725-1173

EMAIL info@acsengr.com

WEB appletoncontrolsystems.com