



## Services Line Card

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**BarnCat** Inc. is a provider of Industrial Engineering Services.

Charlie Cote, the owner of **BarnCat** Inc., has more than 30 years of Engineering and Mechanical Services experience. We provide turn-key services that do not create additional management burden for your business.

- ☑ Design of mechanical and instrumentation process interface for unit controllers or DCS
- ☑ System and component evaluation and proposals
- ☑ Collaborative component, system and product design
- ☑ Hydraulic and mechanical system modeling, simulation + analysis (HYSAN, Mathcad)
- ☑ Product and component development or sourcing
- ☑ Formal design review management Including risk analysis
- ☑ Project and contract management (MS Project, Schedule Design, Contracting and contract management)
- ☑ Design for safety and risk management (ISO 12100, ISO 14121, MIL-STD-882D)
- ☑ Process and instrumentation system design (ISO 1219, ISA 5.1 and 5.2, PIP PIC001)
- ☑ Piping Design (ASME B31.1, B31.3, ANSI Z223.1, ANSI 77.70, API 614, ISO 10438)
- ☑ Plant wiring design and evaluation (NFPA 70, NEC)
- ☑ Solid modeling and 2D drafting (Autodesk Inventor, AutoCAD, PDF)
- ☑ Manufacturing process design, implementation and consulting

**BarnCat** has long-term relationships with Service Provider Partners that allow us to manage the following services for your business:

**Machine Shop Services** – Multiple axis CNC and manual machine tools for prototyping and production capabilities.

**Fabrication Services** – Welded fabrication shop services. SMAW, GMAW, and TIG.

**Control Panel Design and Manufacture** – Custom systems with microprocessor or relay logic

**Metallurgical Services** – Professional metallurgy services for failure analysis and appropriate materials selection.

**Assembly Services** – Professional, experienced assembly personnel.

**Field Services and Industrial construction** – Professional, experienced field personnel. Millwright and pipe fitting services for industrial construction.

**Technical Writing and Documentation Services** – Professional technical writing. Assembly of professional quality product and training manuals.

Please contact us to make an appointment for consultation or proposals.

-Charlie Cote, M.E.

**BarnCat** Inc. Engineering Services

