

Principal Engineer

- Patrick H. Barrett
- BSEE, analog electronics, PSU
- PE, Electrical and Control Systems
- Senior Member of the IEEE
- Certified Software Development Professional (CSDP), IEEE CS
- Digital Electronics, USAF, NORAD
- Total Quality Management
- Cross-Functional Pilot Teams
- Project Management, Battelle
- Dale Carnegie

Patents

- #6025777 - Tire Temperature and Pressure Monitoring System

Publications

- Controlled Emulsion Cleaning, EMPF
- UV Profile Sensor, Mfg Journal
- The PC Answer Book, Prentice Hall

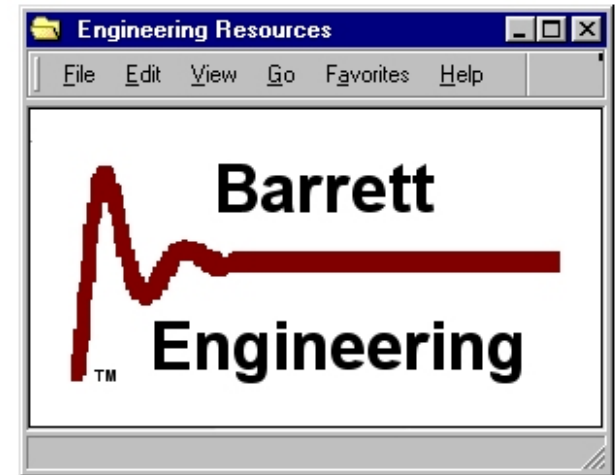
Affiliations

- IEEE Institute of Electrical & Electronic Engineers
- OEVA Oregon Electric Vehicle Association
- SAE Society of Automotive Engineers
- STS Service Technician's Society

"Barrett Engineering provides experience *and* ability"

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www.barrettengineering.com

Barrett Engineering
™
POB 19847, Portland, OR 97280-0847



Electronic & Control Systems Engineering

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Contracting

Consulting

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Mission

“To be recognized in the Pacific Northwest as an outstanding engineering resource for product development, software, hardware and support services.”

We blend creative solutions and teamwork in a Total Quality approach that insures your project’s success.

And we apply disciplined project management techniques to maintain schedules and control costs.

At Barrett Engineering, Customer Satisfaction is our *most* important service!

Services

- Embedded System Design
- Industrial Control Design
- Analog & Digital Electronics Design
- Software & Firmware Design
- Circuit Board Design & Layout
- Manufacturing Process Design
- Testing & Troubleshooting
- Research & Reporting
- Expert Witness

Support

- Prototypes
- Surface-mount or Thru-hole
- Limited or Full Production
- Jigs & Fixtures

Capabilities

Barrett Engineering can manage projects from concept to Customer. Or we can level your resources to focus on tough, specific issues.

We work with industry to create instruments and systems that measure, control and communicate.

We work with businesses to develop systems that gather, move and manage information.

As a high-tech service organization, we have the expertise and experience to handle a variety of technical issues, from simple software and circuit designs to complex projects and manufacturing challenges.

Languages

- C / C++
- Assembly, Cross-assemblers
- Object-oriented
- Databases

Systems

- Windows
- DOS
- Industrial Controls
- Embedded & Custom

Industries Served

Automotive Design
Consumer Products
Environmental
Food
Heat-Treating
High-Tech Manufacturing & OEMs
Industrial Controls & Instrumentation
ITA & Traffic
Medical Equipment
Painting & Powder Coating
Power Generation & Control
Software Development
Sports & Recreational Equipment
Telecommunications
(partial listing)

Recent Projects

Biomedical / Laboratory Instrumentation
Consumer-Safe Power Tools
Digital Imaging & Databasing
EnergyStar™ Compliance
Environmentally-hardened LCD Displays
Industrial Pressure Monitoring
Serial (4-20mA –to– RS-232) Interfacing
Personal Security Devices
Remote Data Logging
RF-ID Tagging, Identification, & Control
USB 2.0 Specification Compliance