

Principal Engineer

- Patrick H. Barrett, PE
- BSEE, analog electronics, PSU
- PE, Electrical and Control Systems
- Senior Life 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
- #8,275,301 B2 - Computer-Implemented Method for Controlling Ebb-Flow Watering Systems

Publications

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

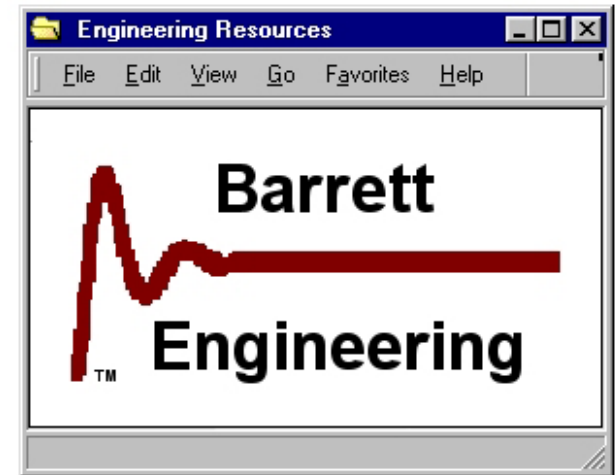
Affiliations

- IEEE Institute of Electrical & Electronic Engineers
- SAE Society of Automotive Engineers

“Barrett Engineering provides experience *and* ability”

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www.barrettengineering.com

Barrett Engineering
7410 SW Oleson Rd. #205, Portland, OR 97223



Electronic & Control Systems Engineering

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Contracting

Consulting

Barrett Engineering

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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

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

- Embedded C
- Assembly, Cross-assemblers
- Object-oriented
- Databases

Systems

- Windows
- DOS
- Industrial Controls
- Embedded & Custom

Industries Served

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

Recent Projects

Biomedical / Laboratory Instrumentation
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 Specification Compliance
Oven Display Driver