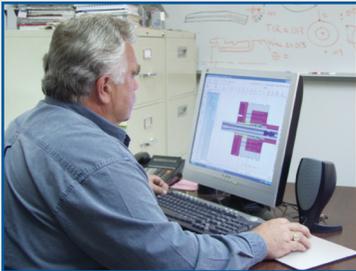


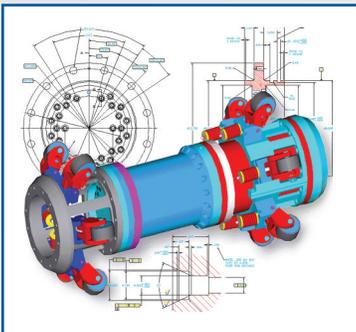


Global perspective. Independent thinking.

Engineering, Testing & Manufacturing Services



At APS's New England Design Center



Example Design:
Pipeline Inspection Tool

Headquarters ♦ Wallingford ♦ USA
7 Laser Lane, Wallingford, CT 06492 USA
Phone: 860-613-4450 ♦ Fax: 203-284-7428
contact@aps-tech.com

Houston ♦ USA
15415 International Plaza Dr., Suite #150
Houston, TX 77032 USA
Phone: 281-847-3700

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Design Engineering Services

APS Technology delivers design confidence and field performance worldwide for all of your harsh environment needs. From the minds of our highly experienced engineers, technicians, toolmakers and machinists come the world's most advanced and reliable electromechanical, instrumentation and sensor designs for harsh environments.

Make APS Technology your trusted source for designs and products purpose-built to operate under high shock, vibration, temperature, pressure, fluid flow and harmful gas conditions.

Design Engineering Services

- > Conceptual and feasibility studies
- > Product development
- > Product improvement and optimization
 - Cost reduction
 - Reliability improvement
- > Project management
- > Test equipment and facilities

Design Engineering Project Examples

- > Complete turnkey design, analysis and manufacturing of:
 - Oilfield drilling, sensors and telemetry equipment
 - Rig floor data acquisition systems
 - Heat sinks and thermoelectric cooling devices
 - Shock and vibration isolation and suppression components
 - Sealing systems for high temperature and pressure
 - Turbines and driven equipment
 - Custom inspection, assembly and testing equipment
- > Project management between multiple customer groups and/or vendors
- > Rapid prototyping of pre-production components and systems

Design Engineering Tools

- > Solid modeling/drawing
 - SolidWorks
 - AutoCAD
 - Autodesk Inventor
 - Autodesk Mechanical Desktop
- > Finite Element Analysis (FEA)
 - ANSYS
 - NASTRAN
- > Kinematics and animation
 - Dynamic Designer
- > Schematic capture
 - OrCAD PCB Designer
 - Mentor Graphics PADS
- > PCB layout
 - OrCAD PCB Designer
 - Mentor Graphics PADS

