



THE BLACK BOOK OF OUTSOURCING

2008 TOP TEN ESO: MECHANICAL SUPPORT

2008 RANK	COMPANY
1	eServ - Perot
2	Ranal Engineering
3	Geometric
4	QuEST
5	Boston Engineering
6	Satyam
7	KPIT Cummins
8	Axis
9	Infosys
10	Neilsoft

2008 Black Book of Outsourcing

For Best Managed Global Outsourcing Vendor, Dell Perot Systems ranked #2 out of 50.

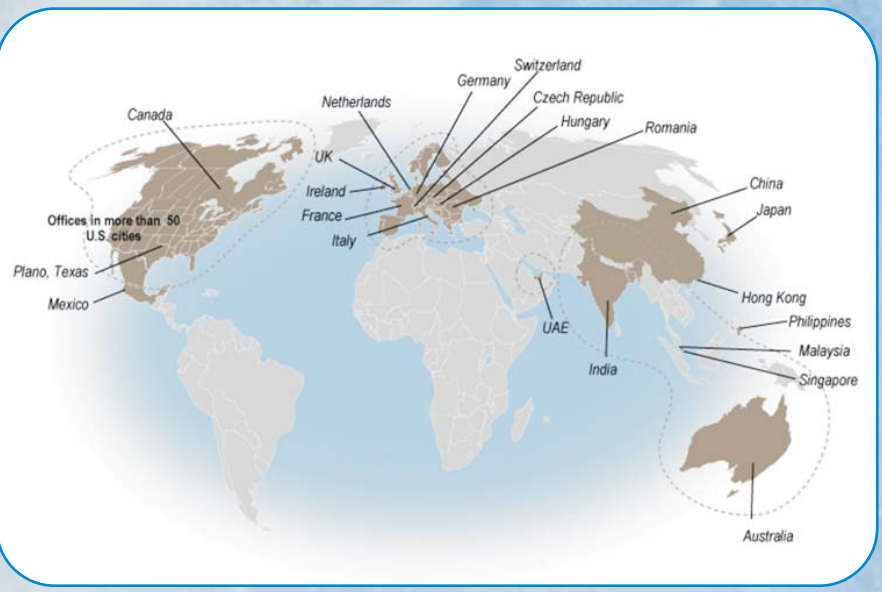
Our Engineering Group ranked: #1 in Mechanical Support

And, was in the Top 5 for:
 - Industrial Engineering
 - Aerospace Engineering
 - Transportation

Black Book of Outsourcing,
 Douglas Brown and Scott Wilson

Company Overview

- Dell Services has approximately 41,000 employees world wide
- 400 Engineers (formerly eServ)
 > 95% BS degreed or higher
- Registered as a Professional Engineering Firm
- Members in over 50 Engineering Societies and experience in over 120 Industries
- Develop Patents on behalf of our Customers
- Six Sigma Certified Blackbelts & Greenbelts
- Engineering Fields: Mechanical, Manufacturing, Electrical, Analytical, Industrial and Aerospace



Services
 Engineering Solutions

For more information, contact:

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www.eserv.biz

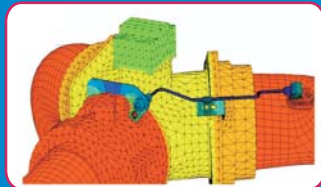
8200 N. Allen Road
 Peoria, IL 61615





Engine Experience

- Engine Packaging
- Engine Design
- Analysis
- Fuel System
- Electrical Harnessing
- Electronic Control
- Warranty
- After-Treatment
- Air System
- Thermal Management
- Combustion System



Cab Experience

- New Product Introduction
- Current Production Upgrades
- Continuous Product Improvement
- Build Support/Field Follow
- Virtual Design Reviews / Audits
- Market Segments: Agriculture, General Construction, Aerospace, Oil & Gas, On-Highway, Utility, Mining, Forestry, Military
- Operator Comfort
- Climate Control
- Safety / Training
- Visibility & Vehicle Monitoring
- Current Production Upgrades



Rail Experience

- Component / System Selection & Integration
- Locomotive Pneumatics
- Work Station Specifications
- Control System Standards
- New Engine Requirements Consultation



Manufacturing Experience

- Process Engineering
- Quality Systems
- Tooling
- Industrial Engineering & Logistics
- Lean and 6 Sigma



Mechanical Engineering

- Structural (Castings, Plastics, etc.)
- Systems (Large Assembly, Hydraulics)
- Applications (ROPS, Eng Install)
- Prototyping (Materials)
- Power Train (Engine Applications)



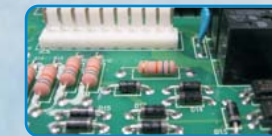
Embedded Services

- System Engineering
- Test, Measurement and Control
- Software Engineering
- Design & Development
- Verification & Validation
- Modeling & Prototyping
- Manufacturing Support
- Product Maintenance



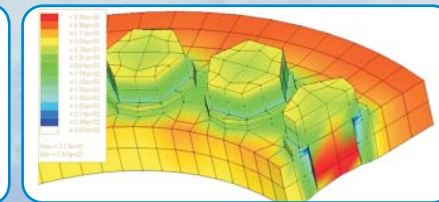
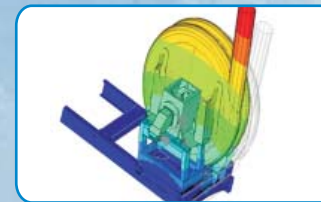
Electrical Engineering

- Hardware Design Services
- Software & Embedded Design Services
- Worst Case Circuit Analysis
- Failure Mode Effect Analysis (FMEA)
- Sensors Engineering
- Electro-Mechanical Engineering
- Component Engineering
- Testing & Validation



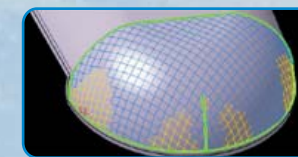
Analysis Experience

- FEA Linear Statics
- FEA Non-Linear Statics
- FEA Structural / Mechanism Dynamics
- Heat Transfer & Thermal Stress
- Computational Fluid Dynamics (CFD)



Composites Experience

- Vacuum Bag Molding
- Resin Transfer Molding (RTM)
- IsoTruss
- Composite Ply Layout
- Pultrusion
- Compression Molding
- Injection Molding
- High Temp Composites



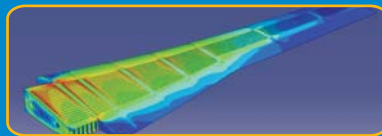
Agriculture Industrial Construction Equipment

- Light Structures
- Heavy Fabrications
- Hydraulic Systems
- Applications



Aerospace Experience

- Design
- Analysis
- Prototyping
- FiberSim
- Testing
- Tooling
- Processing
- Low Observables



Consumer Products

- New Product Design
- Cost Reduction
- Packaging Design
- Supplier Sourcing
- Product Process & Design Analysis
- Warranty

