

# John N. O'Halloran

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## **Experience:**

### **VAST Energy Solutions      5 Yrs** **President, Chief Technology Officer, Member of Executive Committee**

Leadership position in the formation of VAST Energy Solutions, LLC and VAST Power Systems, LLC.

Including development and execution of the commercialization strategy, and transitioning from combustion research, optimizing a multi-fuel combustor in conjunction with the U.S. Depart. of Energy National Labs, to commercial application development.

### **Tech Capital Ventures      5 Yrs** **Principal      Chicago, Ill**

Led Management Consulting Services; Developed and led comprehensive business planning, and acquisition evaluation program.

Including analyzing & developing geo-strategic market concentrations, current state of technological deployment, enterprise structure, personnel strategy, financial planning, budgeting, and capital allocation analysis.

Developed detailed plan for reinventing the factory floor and integrating these factors to maximize return on investment and productivity.

### **Suzlon Energy Ltd (Wind Turbines)      4 Yrs**

#### **Chief Technology Officer SEL, Managing Director Suzlon Energy GmbH** India, Germany, Denmark, Netherlands, China (Technical Centers)

Developed global Technology and Product roadmaps.

- Synthesized divergent technologies into comprehensive plans
- Synthesized divergent requirements from markets, competition, supply chain, service, and manufacturing into coherent customer offerings

Developed strategy and led technological development for manufacturing, commercialization, installation, commissioning, and serviceability.

Led the creation of standardized processes for New and Current Product Development, Innovation, and Optimization.

- Established processes driving structured, cross-functionally integrated, and phased models to reduce development time, cost, and risk
- Reduced development time by 50%, and improved timeline predictability by 95%

Led the development of advanced technology and next generation products.

- Developed underlying technologies to drive down product cost, improve energy output, product reliability, and development time
- Reduced Cost of Energy by 9%, and Field Failure Cost by 95%
- Leveraged in-house expertise, University Research Centers, and 3<sup>rd</sup> party centers
- Built in-house expertise across engineering disciplines including systems, mechanical, loads, electrical, software, aerodynamics, project management

Developed R&D, Product Development, and Engineering teams & leaders worldwide, across diverse geographies, cultures, and specializations to deliver cost effective solutions.

Managed governance, budgets, statutory compliance, Worker's Council across 9 global Technical Centers in 5 countries with 950 employees

**Cummins, Inc. 15 Yrs**  
Columbus, Indiana and Pune, India

**Executive Director, Engineering – Distribution Business Unit**

Initiated and led engineering processes and skill development for 800+ field engineers in over 190 countries for Cummins' owned, JV, and independent distributors.

**Chief Technical Officer – Cummins Operations, India**

Led, on-site, Engineering/R&D Operations; CRTI, Cummins India Ltd, Tata Cummins Ltd, and 5 other Cummins Engineering Centers across India with responsibility for 500+ direct engineers and 1,100+ indirect engineers across India for:

- mechanical development, experimental labs, rapid prototyping, electronics, software, 6-Sigma, new product introduction, and program management while elevating the standards of excellence for all Cummins-India technical teams;
- Initiated and led: cross-Engineering Center synergy development; expansion of product-line, customer base, and revenues
- Strengthened relationships with key customers, universities, and Cummins Engineering Centers around the world;

**Chief Executive Officer/Managing Director CRTI –**  
**Cummins Research & Technology India: Cummins' Global R&D Center, Pune**

Established start-up global R&D center – grew to over 200 engineers

- Led, on-site, all aspects of creation, development, and ongoing management of: strategy, planning, facility development, equipment procurement, recruitment, engineering processes, 6-Sigma, quality systems, IT, legal/compliance reporting for India and US, and customer development with Cummins Engineering Centers world-wide
- Generated \$10M+ direct annual savings, and hundreds of millions annual savings from product optimizations/improvements via institution of an Analysis-Led Design Process (Mechanical Design, Structural Analysis, CFD, Systems Modeling)
- Managed financials, including P&L as "Free Market" Profit Center, within Cummins
- Received top business audit/assessment scores
- Established highest diversity representation among all India Cummins entities (Gender, Geographic, Culture, Disability)
- Created a culture of innovation and excellence

**Executive Director – Electronic Tools**

Led Engineering Development of Electronic Engineering, Service, and Sales Tools, and Information Products used by Cummins world-wide.

Managed Software, Systems, Electronic Support, Supplier Selection/Oversight, Outsource development, Business and Product planning; 6-Sigma.

**Director - Engineering**

Led Engineering Development of Information and Control products for Industrial, High Horsepower, Marine, and Automotive Markets

Managed Software, Systems Development, Mechanical and Electronics Support, Outsource development and Technical Publications teams.

Electronics Product-line Architect; Cummins-wide Electronic Planning Team; Process Improvement Steering Committee.

**Manager - Systems Engineering**

Led Product Development: Systems, Software, Circuit, and Mechanical.

**Applicon                      11 Yrs**  
**(Schlumberger - CAD/CAM Division)**  
Ann Arbor, Michigan and Billerica, Massachusetts

**Senior Software Engineer to Software Engineering Manager**

Led teams, concurrently, in Michigan & Massachusetts in development of CAD/CAM products; Coordinated cross-team engineering planning and activity tracking with 200 people for 36 products.

Managed integrated modeler development team; Engineering Innovation Award.

Chairman of Software Process Improvement & Product Architecture Committees.

**Caterpillar Tractor Company    5 Yrs**  
Peoria, Illinois and Davenport, Iowa

**Programmer to Systems Analyst**

Led system & software development for flexible manufacturing system, earth moving vehicle automated test/adjust stands, steering and brake automated test/adjust stands, automated warehouse, and computerized wastewater treatment system.

**Board Participation:**

CRTI, Pune India                      5 Yrs  
Cummins Research & Technology India  
  
Indo-American Chamber of Commerce Pune, India Branch                      3 Yrs  
  
Park Industries, Chicago, Illinois    2 Yrs  
  
Big Brothers/Big Sisters, Columbus, Indiana                      1 Yr

**Education:**

Carnegie Bosch Institute  
Executive Global Leadership Program  
  
Purdue University    BSEE