

## DIESEL & NATURAL GAS ENGINE POWER AND BUSINESS CONSULTANT

### Qualifications: **Keen understanding of Electric Power Systems & Gas Compression Engines and Emissions Capabilities.**

Accomplished professional with strengths in engineering and marketing. Strong leader. Seasoned in business strategy, pursuing incremental business opportunities with short ROI. Expertise in diesel and gas mechanical & electric power generation systems.

Marketing & Market Development | Engineering | New Product Introduction | Product Launch, Development and Validation  
Incremental Sales | Electric Power Systems | Oil & Gas Power | Mechanical Power Systems | Drill Rig & Gas Compression Engines  
Natural Gas Engines | Dealer & Customer Relations | Leadership & Training | Persuasive Communicator

### Professional Experience & Career Highlights

#### Business Strategy Experience: *Market Development/Marketing in Electric Power and Natural Gas & Diesel Engines*

Evaluated potential new incremental business opportunities, led design and release for manufacturing new engine configurations. Supported necessary product testing, application, installation, and product support information and materials.

- Surveyed, planned, and initiated an improved process evaluating incremental new power system business opportunities.
- Led engineering team delivering \$23M incremental margin in 2014 to Caterpillar's Large Power Systems Division (LPSD) and Marine & Petroleum Products Division (MPPD), and Electric Power Division.
- Selected to Caterpillar's Gas Engine Enterprise Strategy Team (GEEST) – proposed a strategic vision to Caterpillar's Board of Directors furthering pursuit of natural gas systems in both diesel & natural gas engines across product offerings, resulting in a new natural gas engine engineering organization with internal profit and loss responsibilities.
- Assisted GCA companies communicate natural gas SI emissions capabilities to State Air Boards as limits were lowered through USC Title 40, Chap 1, Subchap C, Part 60 Subpart JJJJ (NSPS) and OOOO (Facility Modification or Reconstruction). Screened, interviewed, and assisted with selection of a full-time CAT Oil & Gas Power Systems Emissions Manager.
- Initiated and managed G3600 A4 New Product Introduction (NPI) through ongoing **Voice of Customer** updates from Gas Compression Packaging OEMs and end-using customers. (Increasing torque, improving fuel flexibility, lowering NOx 40%)
- Initiated development program for emissions upgrade kits for stranded end-user G3516 gas compression engines lowering its 2 g/bhp-hr NOx emissions to 0.5 g/bhp-hr. (Lowering NOx emissions 75%, half the national US EPA requirements.)
- Launched NPI program to design, develop, and manufacture new G3500 gas compression engines for US EPA NSPS 2<sup>nd</sup> stage, reducing NOx emissions 75%, increasing power at altitude, improving fuel tolerance, and reducing fuel consumption.

#### Leadership Experience: *Team Leadership/Training & Course Materials – Natural Gas Engines & US Army*

Promoted to Sr Market Professional at Caterpillar for critical expertise and passion, increasing gas engine application & industry growth through Caterpillar, Caterpillar Dealers & Industry Associations. Requested by name as Gas Engine Engineering Manager. Dept of Army Selection to Inspector General of a Theater Army Group and later, Group Commander in the US Army Reserve.

- Tactical Gas Engine Engineering Manager (Lafayette, IN) – Managed design & release for manufacturing new reciprocating engine power configurations. Team leadership through business case budgeting, defining performance and validation testing, effective application, installation, and creation of product support information and materials.
- Gas Engine Instructor, Caterpillar Learning Center (Peoria, IL) – Ensured relevance, appropriateness, timeliness, & quality of all training & materials supporting Caterpillar's industrial gas engine service training efforts worldwide.
  - Designed/prepared multimedia technical training materials/conducted service training & diagnostic courses.
  - Oversaw installation & maintenance of 3 natural gas generator sets, and support equipment enabling their use.
  - Initiated and established certified regional gas engine training centers, certifying gas engine service training instructors of five regional gas engine training centers (Texas, Florida, Alberta, Singapore, & Spain).
- Commander, 1<sup>st</sup> Sim Gp(Combat Arms), 1<sup>st</sup> Bde(Battle Command & Staff Training), 85<sup>th</sup> Div (Training). Directed planning, preparation & execution of Battle Simulation Exercises through deliberate 24-month cycle schedules of separate brigades and divisions of U.S. Army National Guard. (As a COL, US Army Reservist, had 4 COL & 2 LTC direct reports and 14 Full Time Unit Support (RA & Active Guard Reservists) augmenting 92 US Army Reservists. Senior rated 16 LTCs.)
- Assistant Commandant (Fld Arty), 5030th US Army RFS, (Indianapolis, IN) – Led development of arty training plans, POIs and aids improving effectiveness of Artillery (NCOES) & Advanced NCOES for 5 state area. (11 officers, 18 Sr NCOs, 32 NCOs)

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## Professional Job History

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VSheldon JEverett Decisions, LLC The Villages, FL | 2016 – Present: **General Manager**

Caterpillar Inc.-Large Power Systems Div. Lafayette, IN | 2013 – 2015: **Engineering Manager**

Caterpillar Oil & Gas Group, Marine & Petroleum Products Div., Houston, TX | 2003 -- 2013:

**Sr. Marketing Professional (2011–2013); Market Professional (2008–2011); Market Development Consultant (2003–2008)**

Caterpillar Rail & Petroleum Power Products – Engine Div., Achim bei Bremen & Kiel, Germany and Houston, TX | 2001 – 2003:  
**Market Development Consultant**

Caterpillar Natural Gas Engines – Engine Service Training Div., East Peoria and Peoria, IL | 1996 – 2001: **Training Consultant**

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## Additional Caterpillar Experience

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**Senior Design Engineer | Application Engineer | Senior Product Quality Engineer**

**Gas Engine Manufacturing Liaison Engineer | Test Engineer**

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## Military Experience

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**Commander, 1st Sim Gp, 1st Brigade (Battle Command & Staff Training), 85th Trng Div (Chicago, IL) – US Army Reservist**

**Inspector General, 19th Theater Army Area Command-Korea (CONUS Augmentation) (Des Moines, IA) – US Army Reservist**

**Commander, 4<sup>th</sup> Battalion, 75<sup>th</sup> Field Artillery, 303<sup>rd</sup> Ordnance Group (Peoria, IL) – US Army Reservist**

**US Army Command & General Staff Officer Course Student (Fort Leavenworth, KS) – US Army Reservist**

**Field Artillery Battalion Operations Officer, 4<sup>th</sup> Battalion, 17<sup>th</sup> Field Artillery (Raleigh, NC) – US Army Active Guard Reservist**

**Commander, Battery A, 4<sup>th</sup> Battalion, 75<sup>th</sup> Field Artillery, 434<sup>th</sup> Field Artillery Brigade (Peoria, IL) – US Army Reservist**

**Military Intelligence Officer (S2), 2<sup>nd</sup> Battalion, 75<sup>th</sup> Field Artillery, V Corps Artillery (Hanau, West Germany) – US Army RA Officer**

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## Education, Professional Development & Affiliations

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**Master of Business Administration (MBA), Business – Indiana Wesleyan University**

**Bachelor of Science, Mechanical Engineering – Purdue University**

**Certification – Registered Professional Engineer (ME) Illinois: 602-040579**

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## Awards & Recognition

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**2014 Caterpillar Chairman's Award Finalist – Product/Service/Solution Sustainability (Team Effort) – G3516 Low Emissions Kit**

**US Patents: 4,206,725** Injection nozzle clamp, June 10, 1980;

**7,886,705** Engine system dedicated thermal management system, February 15, 2011;

**8,037,872** Engine system having cooled and heated inlet air, October 18, 2011

**Legion of Merit – U.S. Army (30 Years Distinguished Service)**

**Meritorious Service Medal – 2 Oak Leaf Clusters (Outstanding Meritorious Service as Battalion & Group Commander)**

**Army Commendation Medal – 2 Oak Leaf Clusters (Command & General Staff Course Instructor; Deputy Commandant-Field Arty)**

**Army Reserve Components Achievement Medal – 4 Oak Leaf Clusters**

**National Defense Service Medal – Bronze Service Star (Service during Vietnam and Desert Storm Eras)**

**Order of Saint Barbara – US Army Field Artillery Association Honorary**

**US Army Infantry School - Airborne and Ranger Courses**