

Product Development Services, LLC

Richard L Hall
President
rickhall142@gmail.com

Who is Rick Hall and What is PDS?



1. Who am I?

- President/Owner Product Development Services. LLC (PDS)
- Over 40 years in Construction Equipment and On-Highway industries:
 - Product planning and development,
 - Process management and reengineering
 - Design and development engineering
- Key worldwide management positions include Vice-President, Engineering and Product Development at CNH Global.
- Sample of Clients since 2009:



Who is Rick Hall and What is PDS?



2. What is PDS Consulting Services?

- A network of retired/semi-retired senior level executives that possess in-depth management capabilities across a wide range of business disciplines. We provide on-site and remote analysis of your business requirements and capabilities. We will tailor a project to provide a roadmap that improves your success in the definition, design, manufacturing and marketing of products into the world marketplace.

- **Toolset:**

Strategic Planning

Product Management

Stage-Gate NPD

Systems Engineering

Design Verification & Analysis

Project Planning

Design Review Process

Closed-Loop Problem Solving

Manufacturing Launch

Early Warning/Rapid Response

Business Development

Market Research

Quality Planning (APQP)

Vehicle Engineering

Value Eng./Value Analysis

Project Management

Innovation Management

Manufacturing Engineering

Market Launch Planning

Customer Experience Management

Product Planning

Customer Research

Reliability Growth

Prototype Planning

Cost Management

Risk Management

Technology Planning

Lean Manufacturing

Voice of Customer

Who is Rick Hall and What is PDS?



3. Our Consulting Approach

- **Assess current practices for Product Management**
 - Management interviews
 - Employee interviews
 - Audit recently completed projects
- **Identify internal “effective practices” and “opportunities for improvement”**
- **Introduce options for improvement**
 - Industry-accepted “effective practices”
 - Complete with definitions, tools and procedures
 - Specify Subject Matter Experts for select elements of the processes
- **Facilitate implementation through training, coaching and mentoring key Product Management and Development personnel on real projects.**

Who is Rick Hall and What is PDS?



4. PDS Expert Witness Program

- Providing Services since 2017
- Offers Technical Expertise in On and Off Highway Mobile Equipment including:
 - Mobile Construction and Earthmoving products
 - Agricultural Products
 - Material Handling Products
 - Over-the-Road Trucks
- Technical Competencies include:
 - Powertrain Systems
 - Hydraulic Systems
 - Systems Integration, Controls and Interfaces
- Access to wide range of Experts.

End