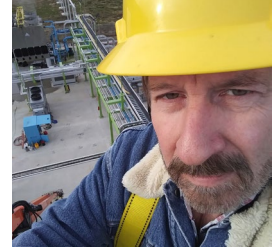


My profile; best described as “**Hands On**”, **Sr Manufacturing/Engineering Leader**, with advanced Mfg’g Skills and Corporate Level Vision, at Macro and Global Scale, encompassing wide ranging technologies and sciences. Hands on at every level, down to Micro Detail of all things in **Plant Operations**, Instruments and Controls, Data Collection, Networks, Network Security, Servers, Technology Integration of Process / Quality / Document Control. **Life Long Love** of Electronics, Circuits, Instrument Design, pairing spec driven engineering, and sophisticated **Test and Measurement Instrumentation** to Electrical Systems “for verifiable” Quality results. My History encompasses; Generating advanced designs, drawings and process instructions, using world class CAD/FEA Software, each as a Senior; GD&T Mechanical, Electronics, Electrical, PLC, P&ID Engineer - for many large corporations to gain competitive edge, and Product



“Maintenance as a Key Critical Issue”  
Process Equipment, Instrumentation,  
Items, Data Collection, API,

Development Engineering, Process Design and Process **Troubleshooter**, Equipment Designer, Design of Experiment, DFM and Quality Data Collection, tunneling down to key parametric Data for Statistical Analysis and actionable improvements.



Actively promoting, as Primary Driver of; Maintenance, Repair, Spares, Logistics, Accountability; being a longtime proponent of for; Complex Machines, Sensors, Expendables, Wear Networks, and Housekeeping

- **Driving and Implementing CMMS and other Modern applications of MES / ERP, and Work Cell, Work Center Quality strategies** (cellular manufacturing for quality parametric focus). Specializing in Management Level, Real Time “Production Status, Detail Data Collection and Running Historical Metrics”; to understand and drive productivity improvements and action measures. Working with internal and external customer requests over decades; Prototyping for Proof of Concept, Creating Alpha Unit Products, Detail Drawings and Process Design Instructions, to integrate stable Manufactured products; conducting meetings, presentations, discussions for all stakeholders and decision makers. Driving; best Business Practices, Product Development, Shop Logistics, Quality, Historical Data, Technical Personnel training / mentoring - using **decades of Production / Manufacturing / Engineering** and Management experience as my guide, from Trusted Key Business Development positions, both “witnessed and participated in”. **Jumping into the fire to; “Fire Stop” critical Engineering, Manufacturing and Personnel “disruption/emergency/challenge” foci.** My unique Global view of Industrial and Manufacturing Operations, came from “Bottom Up” experience, Starting four Corporations, as “key” team engineer / management guide, in very “hands on” Manufacturing Operations, Product Development, Quality, Marketing, Sales and infrastructure positions; **for many “Word Class Companies” and small lean manufacturing operations.** Meaning; I have performed virtually every Industrial Manufacturing Job and Function in light mfg (electro-mechanical assy, test and debug; **from Microelectronics to large Power Electrical Systems and infrastructure**), Heavy Industry Power, Electrical / Mechanical / Structural – at Engineering Level of Planning, Oversight and Coordination. Provisioning, in “Real Time”, Trades Guidance & Inspection, Vendor Logistics; Technical, Detailed Drawing, reviews, revisions, Team Feedback, Liaison with all parties throughout major upgrades Installations; of Large Storage Tanks, Conveyors, Machines and associated Footings, Slabs, Barriers – Noting overlooked Component Fit/Function/Orientation and weather resistance issues throughout. In my active roles, participation and execution of so many varied projects; I have advanced skills in “**Climbing (high towers – 300ft), operating Boom Lifts, Telehandler’s/Forklift’s, etc...** to assist / train / advise

Personnel on installations and repairs of every type of equipment and facilities, all weather conditions. Reviewing and providing Mfg support, high level Engineering knowledge, proactively! I have a wealth of current and historical knowledge in these arts. I help transition **industrial projects “from startup to full production”**, with all the “Team / Functional / Technical / Documentation - Anomalies” that go along with any significant Project. More recently my **focus on CMMS (Maintenance Management), transitioning/integrating ERP/MES (Resource/Mfg)**, with my “human” Data / Visualization goals. I “champion” management level resource Data collection strategies, covering entire factory mfg/engineering functions, from Network Distribution/Mapping, **HMI/DCS Control Systems**, Mentoring & Training, Lead by Example (I can perform any Task I oversee), active in Processes from 1,800F (SS Oxidation) to -430F (Hydrogen Liquification), and that’s extreme! I stand “Toe to Toe” with PHD’s regularly, to support process issues and solutions, and get “**Down and Dirty**” with **Fabrication, Materials, Equipment Integration, Trades, and Facilities personnel**. My **Lean Mfg experience** started when I worked for General Dynamics in the 80’s, as a Sr Mfg Engineer receiving Training in Taguchi Quality Methods, long before the other industries refinements of current QA systems. Applying **Cellular mfg and Statistical Process Tools** to the most rigorous, tight tolerance microelectronics manufacturing applications, achieving tremendous quality in critical military applications. I Love interesting and hard challeng goals. My website [www.engineeranything.com](http://www.engineeranything.com) you can see additional links and reference to my history and background.

**No Limits, Only Multiple Paths** - Nick Barrett (865)250-6718

**TEAM BUILDER**

**MENTOR**

(Hands On) **ENGINEERING MANAGER**

**NICK BARRETT**  
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