

## Recent Engineering Management case studies

- Department of Defense Software Research
- Project Selection Tool for USAF Fleet Sustainment
- Analysis of Exponential Renewal Process Assumptions
- Ergonomic Redesign of a Digital Camera
- Gen IV Manifold Resonator Spin Optimization
- Optimization: Maximizing Corporate Profit
- Analysis of Acquisition Programs with Relation to Cost
- Robust Optimization of Gasoline Direct Injection
- Measuring Hysteresis in a Damper
- Modeling a Multi-Speed, Multi-Entity Conveyor in Arena
- Six Factor Design of Experiments for Heated Ethanol Fuel Injections
- Ignition Cassette Warpage
- Inclusion of Parameter Uncertainty in Reliability Modeling via Bayesian techniques
- Momentum/Energy of Aircraft Landing Roll
- Value-Focused Thinking for Assembly Line Machine Installation
- Study of a Reusable Military Launch System
- An Alternate Battery
- The Threat to U.S. Aviation from Lasers
- Guidelines to Develop Efficient Animation Simulation
- Operations and Support Life Cycle Costs
- The Development of a Diesel Fuel Reformer System for Diesel Exhaust After treatment
- Sustaining the GPS Constellation: Low-Cost Risk Mitigation
- A Statistical Evaluation of Variation
- Productivity Analysis of the Aeronautical Systems Center Acquisition Work Force
- Robust Engineering Experiment High Temperature Sensor (HTS) Optimization of the HTS Element Fabrication Process
- Risk Estimating Simulation Tool and Learning Element
- Analysis of Pilot Retention Problem in the United States Air Force
- Minimizing Clamp Load Variation of the GMT 355 Rotor to Hub Joint using a Nominal-the-Best Approach
- A Study of the Effective, Maintenance and Dissemination of Digital, Intelligence Threat Products
- Re-engineering the Advanced Technology Transition Process (ATTP)
- The Enhanced Generic Air Defense System (EGADS) Simulation Model
- Statistical Based Fault Accommodation for a Turbine Case Thermocouple
- EH Pump/Motor Interface Optimization
- Analysis of the Proposed Combined Lifetime Support Process at Hill AFB Using an arena Simulation
- Statistical Analysis of Patient Data Gathered During the Treatment of Deformation Plagiocephaly
- Validating an Approximation to Lead Time Distribution For Inventory Control
- A Study of Instigating and Sustaining Cultural Change Within An Intelligence
- Organization With Special Emphasis On Transitioning To Model-Based Assessments
- Design Optimization for Durability
- Using Data to Prioritize Projects and Allocate Limited Resources
- A Projected Comparison Between Aircraft Availability And Aircraft Required for T-1A Operations At Laughlin Air Forces Base, Texas
- Improving Conceptual Aircraft Design Using Design of Experiments and Uncertainty Analysis
- Capability Assessment of Performance Measurement Systems For High Temperature Sensor
- Supplemental Brake Assist Warranty and First Time Quality
- Increase Throughput of Test Lab Brake Apply Area
- Improving Tear-Seam Measurement in Airbags

- Proposal for mold design solution to meet SSDC (Surface-to-Surface concentration) of <18 microns for a multi-cavity optics injection mold Opportunity Risk Management
- Strut Mounting Bracket Weld Optimization Using Robust Engineering Techniques
- Risk Management in Information Technology
- A Case Study in Technical Support Operations Modeling
- Commercial Off The Shelf Systems (COTS): How to determine the optimum amount of COTS that should be used in developing a new weapon system.
- Reducing Cycle Time of High Cavitations Molds by Modifying Part Geometry and Tool Design
- Molding Functionally Acceptable-High Content Connectors While Minimizing Cycle Time
- Improving Machine Uptime for BEC Manufacturing Processes in Juarez Mexico by Using DMAIC Strategies
- F-15E Maintenance Simulation
- Simulation Study of Damper Assembly Manufacturing System and Inventory Control
- Minimizing the Cost Maintenance and Construction Welding Inspection
- People Search Enhancements
- Master Cylinder Functional Testing Elimination of Redundant Testing
- Project Management: Case Study of Project Man. In Software dev. Of Severity Sys. Package
- Battery Laboratory Return Material Analysis Process
- A Study of Matting Torque vs. Molding Parameters
- Eliminating NFO Defects in Insert Molded Temperature Sensor Headers
- Process Optimization Study for Ultrasonic Multi-Wire Ring Terminal Combinations
- FAKRA Coaxial Terminal Shield Development
- Process Improvement for Hicap Design
- Developing a System Engineering Process Tailored to the Training Integration Management Systems(TIMMS)
- Inventory Simulation Model Project
- Presbyterian Support & Strategic Advantage...
- Consolidation of Calibration...
- Evolutionary Acquisition
- A Time Standard Multiple Regression Model for a Flexible Manufacturing System
- Failure Analysis of XLPE 15 KV Bare Concentric Neutral Power Cable
- Load Sharing Systems...Failure
- Acquisition Pioneering
- Accuracy and Uncertainty Determination of Energy Measurement Signal Processing Algorithms
- Forecasting C-17 Spare Engine Elect...
- Ultimate Strength Test.
- Optimization of Mail Carrier Routes in Edwards, California
- The Roles and Responsibilities of Plant Manufacturing Engineer in Launching a New Program
- Flow at Work
- Purchasing and Supplier Management: A Case Study of the Extended Enterprise
- Strategy of Toyota to Gain Collaborative Advantage
- Analysis of Landing Gear Failures For USAF C-17 Aircraft
- Using Design of Experiments to...
- Housing Options for U.S. Military Personal
- Airborne Express Fleet Expansion
- Importance of the 29L Assumption In Simulations with the Logistics Composite Model (LCOM)
- Multiple Environment Accelerated Reliability Test Development
- Engineering Test Lab Throughput Simulation
- Operational Test of the Joint Computer aided Acquisition
- Enacting Organizational Cultural Change Using the Seven Habits for Highly Effective People Workshop at the National Air Intelligence Center Wright Patterson Air Force Base, Dayton Ohio
- An Analysis of Operational Support Airlift Crew Utilization

- Computer Simulation of the Expected Increase in Four Wheel Disc
- Study of the Technical and Economic Merits of the Analytic Hierarchy Process Versus the Contribution-Based Compensation and Appraisal System Through Systematic Comparison of the Methods of Measurement
- Introduction of Witness Modeling and Simulation Software for Application to the Pratt & Whitney Hollow Fan Blade Product Center Improving Prod. Rates on the Delphi Drum Break wheel
- Optimizing Manufacturing, Assembly, & Sequencing Operations
- Maintainability and Availability Analysis
- Integration Technology- A Necessity for Automation
- Statistical Process Control: An Applied Dryer Study
- Technological Leadership Mentoring Program
- Feasibility Assessment for Future Use of Unmanned Combat Aerial Vehicles
- Improving Production and Beer Packaging on the Miller Brewing Company B-5 Beer Bottling Line
- Resource Allocation Optimization: An Application of Linear Programming to Physical Test Laboratories
- Evaluating the Effects of the DOD Acquisition Reform Project, Single Process Initiative, From a Sector Perspective on a sub tier Supplier
- Again of the Civilian Work Force at Aeronautical System Center
- Modification of the Maxwell-Beard DRDF Model
- Process Control within Aluminum Die Casting
- QS-9000 Registration From the Supplier's Point of View
- Integration Process Merger Multiple Organizations

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