EngineRoom®

Data Analysis Software

Capability Analysis

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Process Capability Analysis
created 4 minutes ago / modified a few seconds ago

study setup

Specifications

Lower Specification Limit:	NA
Target:	NA
Upper Specification Limit:	65
Specification Range (Tolerance)	NA

Normality Test

Anderson-Darling Test Statistic	0.3035
Anderson-Darling p-value	0.5665

Process Capability Statistics (Within)

Cp	NA
Cpk	0.3404
% Yield	84.64
Sigma	1.021

Process Capability Statistics (Overall)

Pp	NA
Ppk	0.2857
Cpm	NA
% Yield	80.43
Sigma	0.857

Process Performance (% Defective)

Observed Expected (Within) Expected (Overall)

Charts of Turnaround Time Before

Capability Histogram

X Bar Chart

Capability Plot

Range Chart

Observations

Normal Q-Q Plot
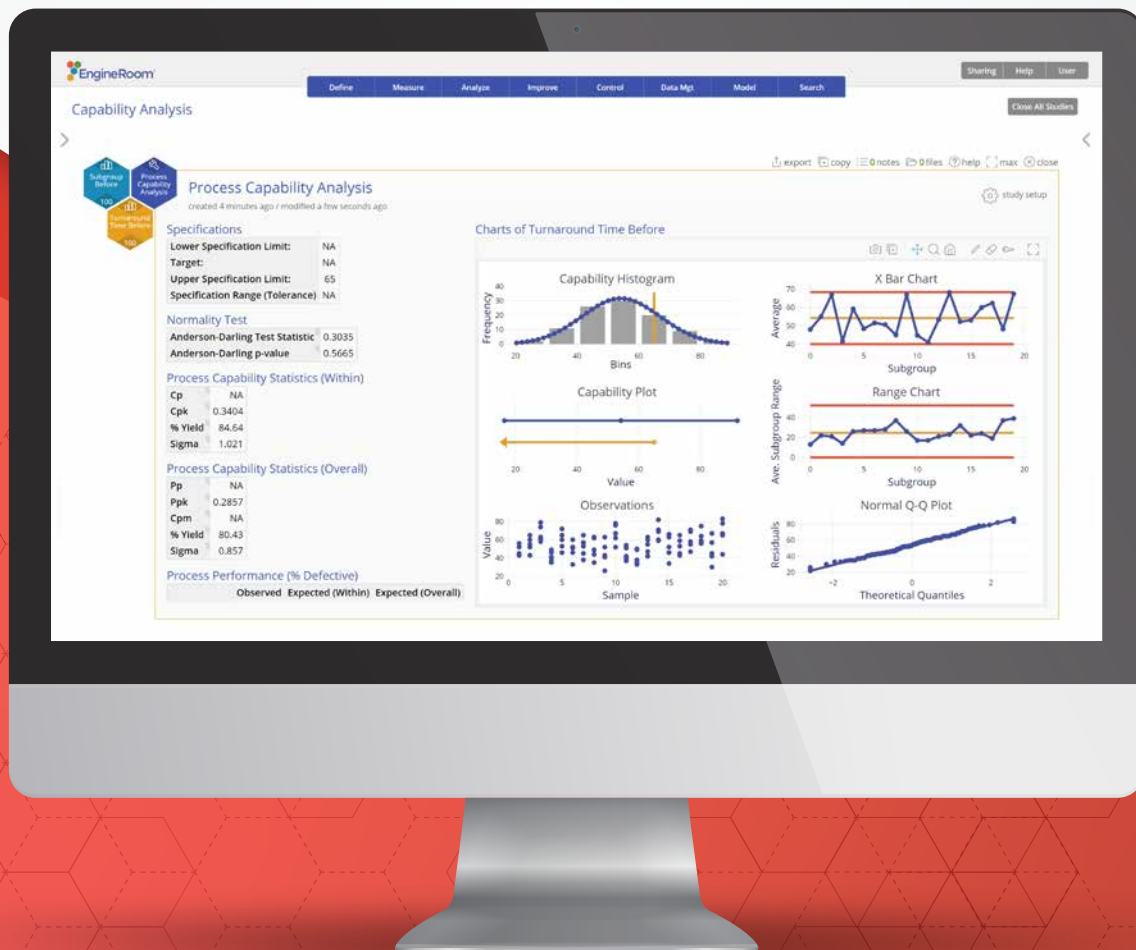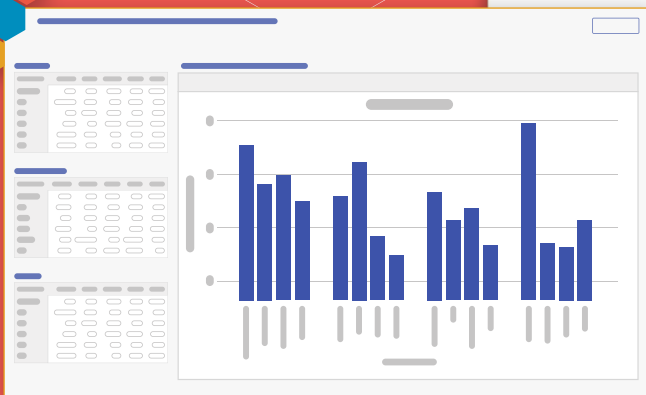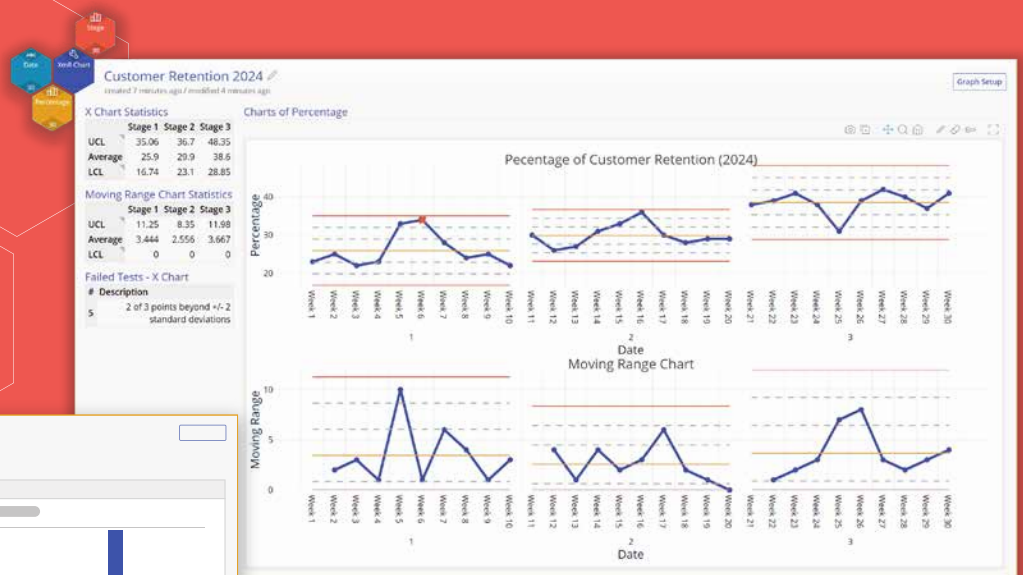
Turn Data Insight Into Clear Direction

Software Designed for Continuous Improvement

EngineRoom is powerful, practical software for Continuous Improvement professionals. With an intuitive interface and essential Lean Six Sigma tools, it helps you solve problems, improve processes, and make confident, data-driven decisions. From simple charts to advanced statistics, EngineRoom makes analysis easy and keeps the focus on performance.

"After using Minitab, SPSS, SAS, and R for years, EngineRoom was a breath of fresh air."

— Chris M.

Associate Director, MBB
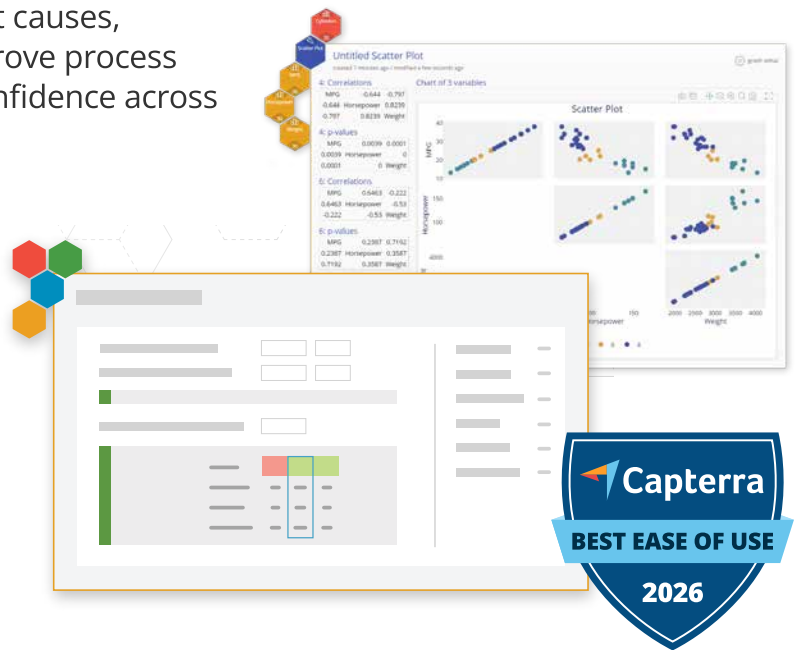
The Essential Tool for Operational Excellence Teams

EngineRoom empowers teams to identify root causes, effectively apply statistical methods, and improve process performance with clarity, consistency, and confidence across every phase of improvement.

Power Efficiency at Every Level of Your Organization

EngineRoom helps CI leaders extend problem-solving capabilities across their entire organization. Whether your team includes Six Sigma experts or process owners new to structured problem-solving, EngineRoom makes it easy to apply the right level of analysis and keep improvement moving forward.

- A full suite of continuous improvement tools
- Collaborative, cloud-based software with little to no IT setup
- Built-in tool guidance, walk-throughs, and AI support
- Powerful statistical tools without complicated learning curves

Plus with EngineRoom's affordable licensing you can outfit your entire enterprise at a fraction of the cost of similar software options.

Statistical Tools

Aligned with the Master Black Belt body of knowledge, EngineRoom supports a wide range of capabilities for quality analysis.

Diagramming

Designed for Improvement teams, EngineRoom features a wide array of tools targeted at structured problem-solving.

Documentation

Process improvement projects come together faster with access to all the tools needed to plan, track, and report changes.

Process Modeling

Bring process maps to life with discrete event simulation. See the result of process changes prior to complex, costly equipment changes.

Make Smarter Decisions with End-to-End Improvement Tools
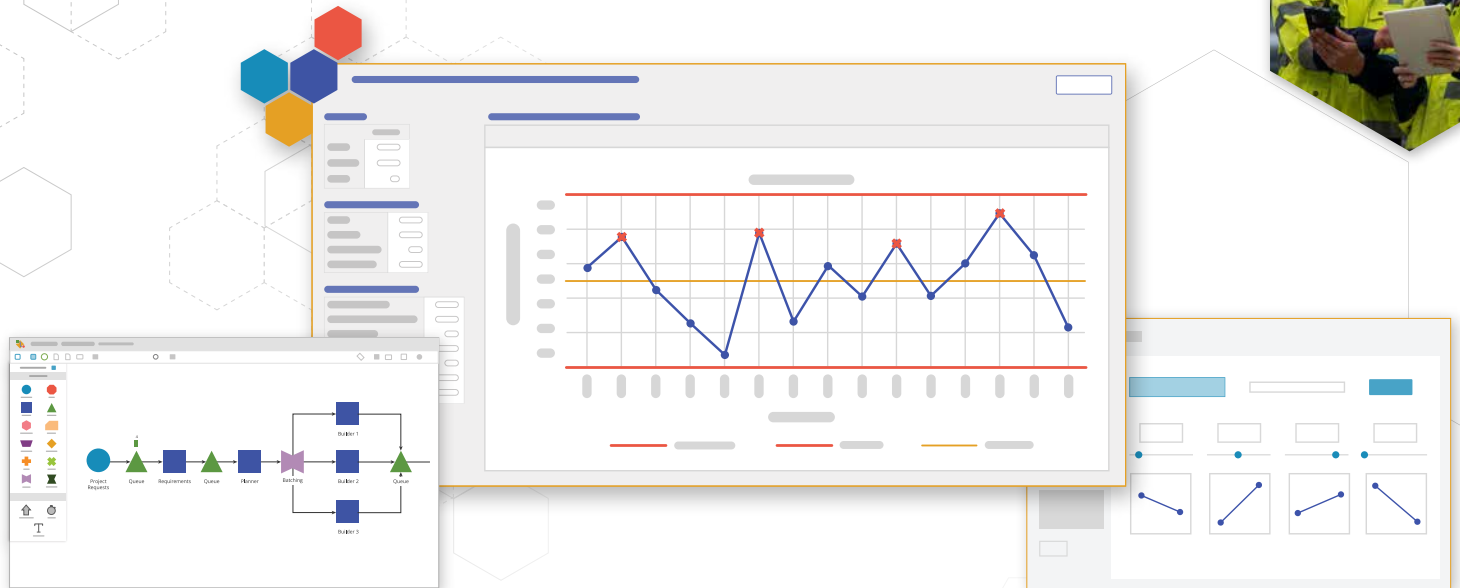
Diagnose and Understand the Problem

Quickly get from intuition to data-backed insight. EngineRoom makes it easy to visualize variation, map your process, and isolate where things go wrong.

Process Visualization: SIPOC, Process Flow Chart, Value Stream Map, CTQC Tree

Voice of the Customer Tools: 5 Whys, Fishbone Diagram, Affinity Diagram

Data Collection: Check Sheets, Data Collection Plan, Input Screening Report

Basic Statistics: Graphical Summary Distribution Identification, Anderson-Darling Test

Validate the Root Cause

Don't just guess what's broken—prove it. Our statistical testing and regression tools help teams validate root causes so they can solve with confidence.

Hypothesis Tests: 1- & 2-Sample t-Tests, ANOVA, F-Tests, Proportion Tests, Chi-Square Tests

Non-Parametric Hypothesis Tests: Mann-Whitney Wilcoxon, Kruskal-Wallis, Friedman, Sign Tests

Regression Tools: Simple & Multiple Linear Regression, Logistic Regression, Correlation Matrix

Machine Learning: Classification & Regression Tree

Measurement System Analysis: Gauge R&R, Attribute Agreement, VDA5-Compliant Tools

Optimize the Process

Fine-tune your process like an engineer. Use discrete event simulation, DOE, and capability tools to test changes, improve robustness, and lock in performance.
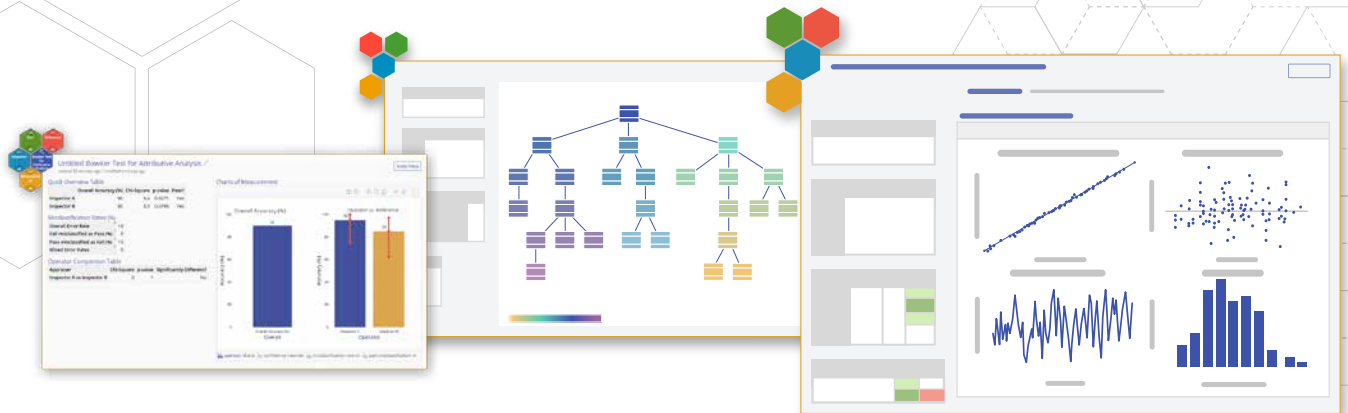
Capability Analysis: Normal, Non-Normal (Discrete & Continuous)

Statistical Process Control (SPC): X-bar R/S, XmR, P/NP/U/C, CUSUM, EWMA

Design of Experiments: 2-Level Full & Fractional Factorial Designs, General Factorial, Response Surface Methods, DOE Wizard & Analyzer

Optimization Tools: Power and Sample Size Calculator, Response Optimizer, General Linear Modeling

Simulation Tools: Monte Carlo, Discrete Event Simulation

Drive Execution and Cross-Functional Alignment

Good ideas stall without structure. EngineRoom brings alignment and follow-through with tools that support collaboration, documentation, and clear accountability.

Project Management: Project Charter, Gantt Chart, Project Closeout

Decision Tools: Pugh Matrix, Solution Selection, Project Prioritization Matrix

Risk & Quality: Control Plan, FMEA, Corrective Action Matrix
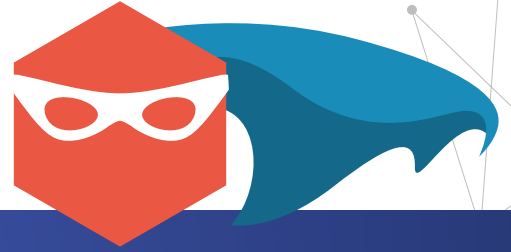
People & Accountability: RACI Matrix, Stakeholder Template, Standard Work

Visual Tools: CTQC Tree, Design Scorecard

See the full list of tools and capabilities on page 11.

From Strategy to Execution, EngineRoom Keeps Your Organization Aligned

EngineRoom gives you the control and flexibility to deploy improvement at scale without administrative burden. From fast setup to global accessibility, it's a modern platform built for leaders who need data privacy, security, and results across the organization.

Licenses for the Few or the Many—It's Your Choice

EngineRoom offers flexible licensing options for individuals, teams, and enterprises which makes it easy to scale access, manage users, and support improvement across your organization.

Easy to Setup and Roll Out

EngineRoom is easy to deploy and simple to maintain, with browser-based access that keeps IT involvement to a minimum.

- Browser-based access that simplifies deployment and maintenance
- Work with existing data through integrations with Google Sheets and Microsoft OneDrive

Multiple Languages Available

EngineRoom is available in English, German, Spanish, French, Portuguese, Simplified Chinese, Italian, Polish, Japanese, and Korean.

You're Always Up to Date

EngineRoom includes free updates for the full length of your license, so you always have access to the latest features and improvements without added cost or complexity.

Secure, Online, Cloud-based Software

EngineRoom is a secure, cloud-based platform designed to support collaborative improvement while protecting your data and maintaining organizational control.

- Accessible on both PC and Mac with no installation required
- Regular security updates ensure compliance with modern data protection standards
- All data is stored securely in the cloud with encrypted transmission and storage
- MoreSteam and EngineRoom are SOC 2, Type II compliant, with independently audited security controls that operate effectively over time to protect customer data.

AICPA SOC
aicpa.org/soc4so
SOC for Service Organizations | Service Organizations

Transparent Pricing, No Surprises

EngineRoom offers clear, transparent pricing with no hidden fees. Plus support and updates are always included, so you can plan your budget with confidence.
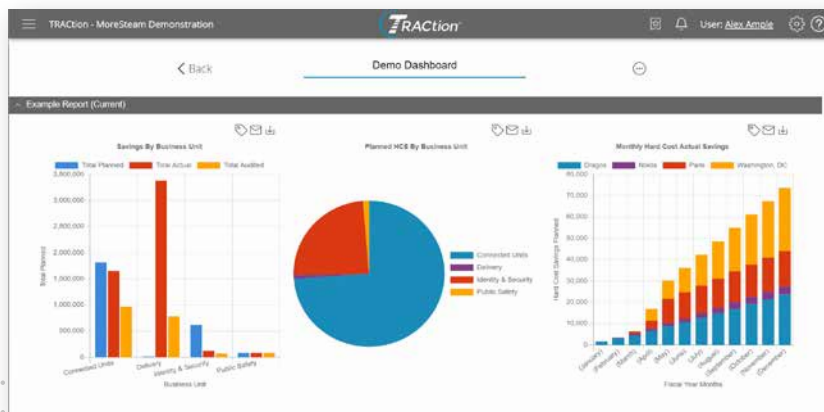
Designed By MoreSteam, A Company Empowering OpEx Teams for Over 25 Years

EngineRoom has been trusted by improvement teams for over a decade and continues to evolve with input from real users. Designed and supported by MoreSteam, your partner in Operational Excellence for more than 25 years, EngineRoom reflects a deep commitment to continuous improvement. With regular updates and an expanding toolset, the software grows alongside your needs to keep teams focused, capable, and ready for what comes next.

Integrated with MoreSteam eLearning and TRACtion

EngineRoom connects with MoreSteam's enterprise platform, integrating with TRACtion for project tracking and eLearning for training. Alongside Coach View and Training Simulations, it creates a seamless environment that supports every stage of improvement, from skill-building to project success.

What Real Users Say About EngineRoom

★★★★★

"EngineRoom allows users to have a data playground where all of their improvements can be tracked and analyzed. All the tools anyone would ever need for the DMAIC process are in one place with helpful prompts to guide users in their CI journey. The integration with TRACtion, MoreSteam's project management tool is also a significant help."

— Tim F.
Continuous Improvement Manager

★★★★★

"Love it! Easy to use. Includes tutorials that are easy to follow. Meets all our needs for managing and analyzing problem solving activities. And a very cost-efficient price."

— Kim K.
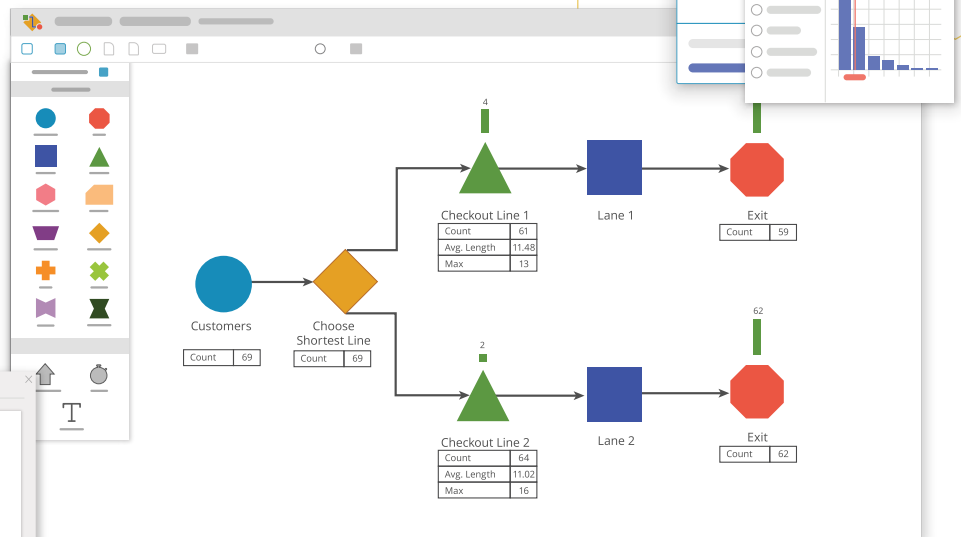*Director of Operational Excellence*

★★★★★

"The ease of use and the SaS model. Graphically beautiful with excellent UI. Really cool extra features not in other stats software (templates for FMEA, Control Plans, C&E, DFSS Tools., Process Simulators...). Service has also been excellent!"

— Stuart M.
Continuous Improvement Director

Rapidly Test Changes Virtually and Make Smarter Decisions with Process Playground

Process Playground is a fast, flexible simulation tool for continuous improvement. Model your processes, test improvements, and predict performance without disrupting operations.

- Create a virtual model of your process in minutes
- Run what-if scenarios and compare outcomes
- Predict performance under real-world conditions
- Share results with clear visual outputs

Evaluate Changes Without Real-World Consequences

Simulate proposed changes to identify bottlenecks and optimize flow before making costly investments.

- Test process changes without interrupting operations
- Analyze cycle times, queue buildup, and throughput
- Build stakeholder confidence with clear, data-backed models

See How Your Process Really Performs

Process Playground gives you clarity before change and confidence after. It helps teams test smarter, move faster, and create resilient processes through data-backed improvement decisions.

Improvement in the Field: Explore Process Modeling Through the Lens of Healthcare
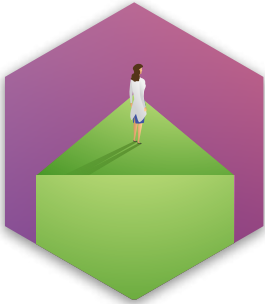
Process Modeling Fuels Operational Excellence in High-Stakes Industry

"Process Playground is so elegantly simple. Give people a couple of intros, and they're off and running.

"It's really transformed our Lean thinking...that we need to understand variation as a key contributor to most problems and as a source of waste that we need to drive out of our processes."

— Ryan Magnuson, *Director of Global Operational Excellence* • Medtronic

The Impact of Process Modeling: Reducing Queue Times for COVID Testing

"The board was ready to spend tens of thousands of dollars to create the extra capacity needed to solve the problem. Instead, we solved the problem with some Lean thinking and process modeling to ensure the Lean solution would stand up to the high degree of variation the process would encounter."

— Dr. Lars Maaseidvaag PhD, *MoreSteam Client Services*

How Dartmouth Health Uses Process Modeling to Predict the Unpredictable

"We threw the process into the simulation and immediately said, 'This won't work.' We were able to show that our check-in process would create a 155-car queue unless we doubled staffing. "

— Raquel A. Chase-Kelly, LSSBB, Dartmouth Health

Read these Case Studies and more online at MoreSteam.com

EngineRoom Delivers Everything You Need, All in One Place

Included Features	Minitab $1,851	JMP $1,320	EngineRoom $495
Cloud-Based Access	✓	✗	✓
Supports Multiple Languages	✓	✓	✓
Guided Tool Selection & Wizards	✓	✗	✓
Statistical Tools *(See pg. 11)*	✓	✓	✓
Lean Six Sigma Templates	With Additional Purchase	✗	✓
Diagramming Tools & Mapping	With Additional Purchase	✗	✓
Process Modeling	With Additional Purchase	✗	✓
Critical Thought Map	✗	✗	✓
Minimal IT Setup Required	✗	✗	✓
Easy Project Sharing	✗	✗	✓
No-Cost Automatic Updates	✗	✗	✓

EngineRoom is easy to license, simple to roll out, and built to support your team from day one. Our team will guide you through setup and help you make a smooth, confident transition.

EngineRoom Tools & Capabilities

Statistical Tools

Hypothesis Testing
Hypothesis Testing Wizard
t Tests
z Tests
F Tests
ANOVA & ANOVA with Blocking
Chi-Square Tests
Friedman Tests
Kruskal-Wallis Test
Mann-Whitney Wilcoxon Test
Sign Tests

Process Capability & SPC
XmR Chart
X-bar R/S Chart
C, U, P, NP, G Charts
CUSUM Chart
EWMA Chart
Process Capability
Non-normal Process Capability (Continuous & Discrete)

MSA & Support Tools
Anderson-Darling Test
Attribute Agreement
Bowker Test for Attributive Analysis
Distribution Identification
Gauge R&R (AIAG, Variance Components, VDA5)
Little's Law Calculator
Sigma Level Calculator
Data Transformations

Basic Charts & Graphs
Bar Chart
Box Plot
Graphical Summary
Histogram
Pareto Chart
Scatter Plot
Trend Chart

Design of Experiments
DOE Wizard & Analyzer
Full & Fractional Factorial
General Factorial
Response Surface Methodology
Power Analysis
Design Planning Worksheet
Response Optimizer

Regression & Modeling
Classification & Regression Tree
Correlation Matrix
General Linear Modeling
Logistic Regression
Simple & Multiple Linear Regression
Time Series Analysis - Decomposition and Forecasting

Diagramming

Diagramming & Mapping
Affinity Diagram
CTQC Tree
Process Flow Chart
Root Cause Tree/Fault Tree Analysis
SIPOC
Value Stream Map

Voice of the Customer/ Brainstorming
5 Why
Pugh Analysis
Cause & Effect Matrix (C&E)
Fishbone (C&E) Diagram
Quality Function Deployment (QFD)

Data Collection
Check Sheet
Data Collection Plan
Input Screen Report
Power and Sample Size Calculator

Documentation

Project Documentation
Control Plan
Corrective Action Matrix
FMEA
Financial Return Calculator
Gantt Chart
Project Charter
Project Closeout
Project Prioritization Matrix
RACI Matrix
Solution Selection
Stakeholder Template
Standard Work

Templates
Core Process Pull
Design Scorecard
Input Screening Report
Replenishment Process Pull

Process Modeling & Simulation Tools
Monte Carlo
Process Playground

Critical Thought Map

In addition to the tools listed, EngineRoom features a Critical Thought Map to help you visually document your project thinking by linking questions, activities, and answers to create a clear, traceable path from investigation to conclusion.

See the full suite of tools online at Moresteam.com/ EngineRoom
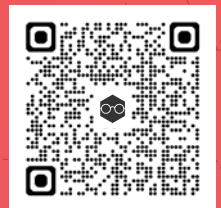
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MoreSteam is the leading global provider of training and software for Lean Six Sigma.

We work with individuals, universities, and businesses large and small to provide proven solutions that are right for them. From interactive training to process improvement software, we are here to help you work as efficiently and effectively as possible.

Discover
more online!