

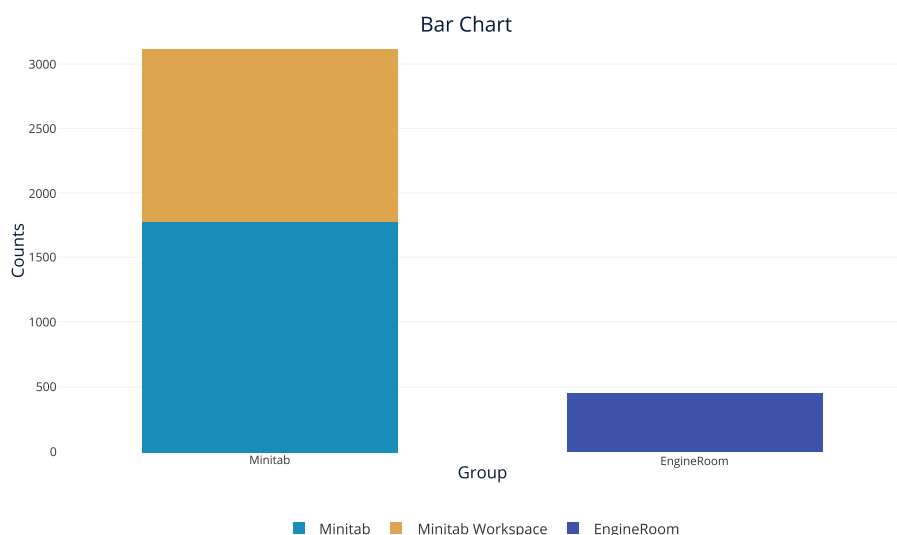
What is EngineRoom?

EngineRoom provides you with a complete suite of powerful, simple-to-use tools for data analysis and process improvement, delivered within an intuitive, drag-and-drop graphical interface. It's everything you need for a DMAIC project in one place.

Since the application is available online, you can access both the tools and your projects from any place, at any time, on any device.

Why Is EngineRoom the Right Choice?

1. Cuts the Cost of Calculation



Statistical Analysis at a fraction of the cost

Leading companies are switching to EngineRoom to help realize significant cost savings.

- An EngineRoom license starts at \$449 for a single annual license, with group discounts available for the purchase of 10 licenses or more.
- EngineRoom annual licenses are significantly less expensive than Minitab's solutions.
- To get all the features in EngineRoom, you would need to purchase both Minitab (\$1,780) and Workspace (\$1,330) for a total cost of \$3,110, annually per user.

2. Delivers the Tools You Use Most

EngineRoom provides all of the tools used by Green Belts and most Black Belts in 95% of projects.

- Over 80 Lean and Six Sigma tools, templates, tests, and charts.
- Includes Lean and Design (DFSS) tools (such as Monte Carlo).
- Tools organized in the familiar Define-Measure-Analyze-Improve-Control (DMAIC) phases, from project planning to completion to presentation. Alternative menu structures, including DCDOV,

PSCA, PDSA, and Standard (Planning-Charts & Graphs – Quality Tools – Statistics – Lean tools – Project Closeout), are also available for non-Lean Six Sigma users.

- Includes Process Playground, our powerful process modeling and discrete event simulation platform, which allows you to map, experiment, optimize, validate, and predict the effect of variation on your processes.

3. Takes Advantage of Mobile Technology

EngineRoom is in step with the future.

- Device independent, so you can access it from your PC, or Mac.
- Collaborate and share your data or results instantly with others on your team with the click of a button.
- The latest, most up-to-date version is always accessible - no more hassles with updates or IT installations.

4. Designed for Ease of Use

Your focus should be on interpreting the data, not on how to use the tools.

- The tools are simplified, contain step-by-step instructions and color coding, and provide easy-to-interpret, annotated output.
- EngineRoom wizards (Hypothesis testing and DOE) guide users to the appropriate test/design, with a direct option for experienced users.
- Many tools flow naturally into others, such as Affinity Diagrams > CTQC Trees > QFD/Cause & Effect Matrix > Pugh Analysis > Design Scorecard.

5. Supports the Training Process

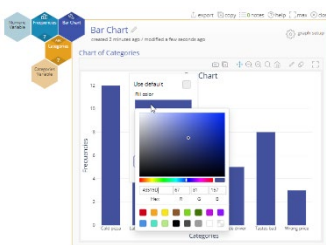
Teaching thinking, not menu structures. EngineRoom is especially helpful to Belts in training.

- EngineRoom is integrated with the online MoreSteam course content through tutorials and practice exercises.
- Creates a framework for projects and studies that allows you to organize your data and supporting files, located in one place for easy reference.
- Connected to the TRACtion project management portal.
- Available in 8 languages (English, German, Spanish, Portuguese, French, Chinese, Japanese, Korean).
- Less time spent learning = more time spent doing.

The EngineRoom Advantage...

Smart Charts

- fully editable, auto-update
- easy to share or place in report



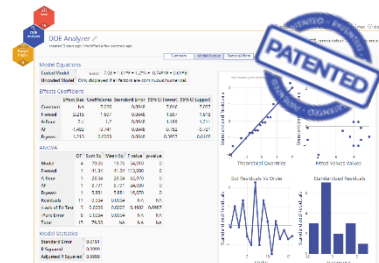
Hypothesis Testing in Plain English™

- step-by-step guidance
- explanation/interpretation of results

A screenshot of the 'Hypothesis Testing Wizard' interface. It asks 'How many samples are you comparing?' and provides step-by-step guidance with explanatory text. It includes buttons for '1 sample', '2 samples', and 'More than 2 samples'.

Experimental Design in Plain English™

- step-by-step guidance
- explanation/interpretation of results



General Features

Minitab
Workspace

Minitab

EngineRoom

1	Web based access (access from any machine)	-	with web version	✓
2	Runs on a Mac	-	with web version	✓
3	Drag and Drop functionality (User interface)	-	-	✓
4	Guides user through the use of the tool	-	with 'Assistant" feature	✓
5	Provides annotated output for ease of interpretation	-	with 'Assistant" feature	✓
6	Critical Thought Map (project organization)	-	-	✓
7	Project file sharing	-	-	✓
8	Available in 8 languages: English, Portuguese, Spanish, German, Chinese, Korean, Japanese, French	-	✓	✓
9	Embedded team discussion and notes	-	✓	✓
10	Live linkage between data and output, auto-update of analyses	-	✓	✓
11	Customizable menu	-	✓	✓

5 Options Available

Six Sigma Specific Tools		Minitab Workspace	Minitab	EngineRoom
1	Affinity Diagram	✓	-	✓
2	Cause & Effect (C&E) Matrix	✓	✓	✓
3	Check Sheet	-	-	✓
4	Control Plan	✓	-	✓
5	Corrective Action Matrix	✓	-	✓
6	Critical To Quality Characteristics (CTQC) Tree	✓	-	✓
7	Data Measurement/Collection Plan	-	-	✓
8	Failure Modes & Effects Analysis (FMEA)	✓	-	✓
9	Financial Analysis	✓	-	✓
10	Fishbone (C&E) Diagram	✓	-	✓
11	Gantt Chart	✓	-	✓
12	Input Screening	✓	-	✓
13	Monte Carlo Simulation	✓	-	✓
14	Process Modeling/Discrete Event Simulation	-	-	✓
15	Process Flow Chart	✓	-	✓
16	Process Map	✓	-	✓
17	Project Charter	✓	-	✓
18	Project Closeout template	-	-	✓
19	Project Prioritizer	✓	-	✓
20	Project tracking capability	✓	-	✓
				(TRACtion – separate license)
21	Pugh Matrix	✓	-	✓

22	Quality Function Deployment (QFD)	✓	-	✓
		(House of Quality)		
23	Sigma Level Calculator	✓	-	✓
24	SIPOC	✓	-	✓
25	Solution Selection	✓	-	✓
26	Root Cause (Fault) Tree Analysis	-	-	✓
27	Classification & Regression Tree	-	✓	✓
			(CART)	

	Lean Tools	Minitab Workspace	Minitab	EngineRoom
1	5 Why	-	-	✓
2	5S (CHECK) checklist	✓	-	-
3	A-3 Report	✓	-	-
4	Core Process Pull	-	-	✓
5	Little's Law	-	-	✓
6	Replenishment Process Pull	-	-	✓
7	Standard Work	-	-	✓
8	Value Stream Map (VSM)	✓	-	✓

	Data Manipulation	Minitab Workspace	Minitab	EngineRoom
1	Data functions (Copy/paste, Select multiple cells, delete/insert rows/columns, Sort)	-	✓	✓
2	Descriptive Statistics (numeric/graphical)	-	✓	✓
3	Pivot Table	-	✓	-

	Graphical	Minitab Workspace	Minitab	EngineRoom
1	Bar Chart	-	✓	✓
2	Box Plots	-	✓	✓
3	Dotplot	-	✓	✓
4	Histogram	-	✓	✓
5	MultiVari Charts	-	✓	-
6	Pareto Chart	-	✓	✓
7	Scatter plot/Matrix plot	-	✓	✓
8	Trend/Run Chart/Time Series Plot	-	✓	✓
9	Distribution Identification	-	✓	✓
10	Graphical Summary (includes Histogram, Box Plot, Scatter Plot, and optional Trend Chart)	-	✓	✓

	Measurement System Analysis	Minitab Workspace	Minitab	EngineRoom
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1	Attribute Agreement Analysis (Attribute MSA)	-	✓	✓
2	Gauge R&R (Variance Components)	-	✓	✓
3	Gauge R&R (AIAG)	-	✓	✓

Statistical Process Control		Minitab Workspace	Minitab	EngineRoom
VARIABLE				
1	CUSUM	-	✓	✓
2	EWMA	-	✓	✓
3	Xbar-R	-	✓	✓
4	Xbar-S	-	✓	✓
5	XmR/ ImR	-	✓	✓
ATTRIBUTE				
1	c	-	✓	✓
2	g	-	✓	✓
3	np	-	✓	✓
4	p	-	✓	✓
5	u	-	✓	✓

Process Capability Analysis		Minitab Workspace	Minitab	EngineRoom
1	Process Capability Analysis - Normal Continuous	-	✓	✓
2	Process Capability Analysis - Non-Normal Continuous	-	✓	✓
3	Process Capability Analysis - Non-Normal Discrete	-	✓	✓
4	Process Capability Analysis - Empirical	-	-	✓

Correlation and Regression Analysis		Minitab Workspace	Minitab	EngineRoom
1	Correlation Matrix	-	✓	✓
2	Generalized Linear Models	-	✓	-
3	Logistic (Binary) Regression	-	✓	✓
4	Multiple Linear Regression	-	✓	✓
5	Nominal (multinomial) Regression	-	✓	-
6	Ordinal Regression	-	✓	-
7	Simple Linear Regression	-	✓	✓

Hypothesis Tests		Minitab Workspace	Minitab	EngineRoom
PARAMETRIC				

1	1 Proportion Test (Exact Binomial & Z)	-	✓	✓
2	2 Proportions Z Test	-	✓	✓
3	Multiple Proportions Chi-Square Test	-	✓	✓
4	1 Mean t Test	-	✓	✓
5	2 Means (paired) t Test	-	✓	✓
6	2 Means (pooled) t Test	-	✓	-
7	2 Means (independent) t Test	-	✓	✓
8	One-way ANOVA	-	✓	✓
9	Two-way ANOVA (or one-way with blocking)	-	✓	✓
10	One Variance Chi-Square Test	-	✓	✓
11	Two Variances F Test	-	✓	✓
12	Multiple Variances F (homogeneity) Test	-	✓	✓
13	Chi-Square Test of Independence	-	✓	-
14	Anderson Darling Normality Test	-	✓	✓
NON-PARAMETRIC				
1	1 Sample Sign	-	✓	✓
2	1 Sample Wilcoxon Signed Ranks Test	-	✓	✓
3	Paired Sample Sign	-	✓	✓
4	Paired Sample Wilcoxon Signed Ranks Test	-	✓	✓
5	2 Sample Mann-Whitney	-	✓	✓
6	Kruskal Wallis	-	✓	✓
7	Friedman	-	✓	✓

Normality		Minitab Workspace	Minitab	EngineRoom
1	Normal Probability Plot	-	✓	✓
2	Normality Test	-	✓	✓

Power and Sample Size		Minitab Workspace	Minitab	EngineRoom
1	Estimate 1 Proportion	-	✓	✓
2	Estimate 1 Mean	-	✓	✓
3	1 Proportion Test	-	✓	✓
4	2 Proportions Test	-	✓	✓
5	1 Mean t Test	-	✓	✓
6	2 Means t Test	-	✓	✓
7	One-way ANOVA	-	✓	✓
8	Design of Experiments (DOE)	-	✓	✓

Design of Experiments		Minitab Workspace	Minitab	EngineRoom
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1	Two-level Full Factorials	-	✓ (2-15 factors)	✓ (2-7 factors)
2	Two-level Fractional Factorials	-	✓ (2-15 factors)	✓ (3-15 factors)
3	General Factorials	-	✓ (2-15 factors)	✓ (2-6 factors, <=5 levels each)
4	Plackett-Burman Designs	-	✓ (2-47 factors)	-
5	Response Surface Methods	-	✓ (2-10 factors)	-
6	Mixture Designs	-	✓ (2-10 factors)	-
7	Taguchi Designs	-	✓	-
8	Includes Power analysis in DOE design process	-	Separate tool, not integrated in DOE	✓

ABOUT MORESTEAM.COM LLC

MoreSteam enables organizations of all sizes to advance their performance by delivering powerful, scalable online training and technology for enterprise process improvement.

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