

What is EngineRoom?

- A Web based data analysis application with an intuitive, drag-and-drop graphical interface.
- A suite of powerful, simple-to-use Lean and Six Sigma data analysis tools that you can access from any place, at any time, on any device.
- Built for Lean Six Sigma professionals and presented in the familiar Define-Measure-Analyze-Improve-Control (DMAIC).

Why Is EngineRoom the Right Choice?

1. Cuts the Cost of Calculation

Deployments are switching to EngineRoom to help realize significant cost savings.

- An EngineRoom license starts at \$275 for a single annual license, with progressive discounts beginning with the purchase of 10 licenses.
- EngineRoom annual licenses are around 10% of the cost of Minitab's solutions.
- To get all the features in EngineRoom, you would need both Minitab (17) and Quality Companion (3) for a total cost of \$2,390 per license.

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 65 Lean and Six Sigma tools, templates, tests and charts.
- Includes Lean and Design for Six Sigma (DFSS) tools (such as Monte Carlo simulation not found in comparable software).
- Organized in the DMAIC order in which you work, from project planning to completion to presentation.

3. Takes Advantage of Mobile Technology

EngineRoom is in step with the future.

- Device independent, so you can access it from your PC, Mac, Linux, tablet or other mobile device.
- Collaborate and share your data or results instantly with others on your team with the click of a button.
- Always the latest, most up to date version - 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.
- Patented 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 > Input Screening Report > Control Plan.

5. Supports the Training Process

EngineRoom is configured to help 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 (coming in 2017).
- Available in 9 languages (English, German, Spanish, Portuguese, French, Russian, Chinese, Japanese, Korean)

The EngineRoom Advantage...

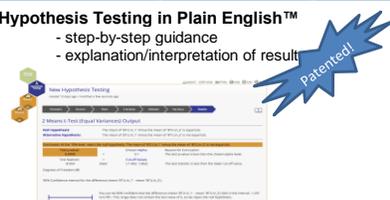
Smart Charts

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



Hypothesis Testing in Plain English™

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



Experimental Design in Plain English™

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



Tools	Minitab Quality Companion 3	Minitab 17	EngineRoom
Single license	\$1,195	\$1,495	\$275/year
Upgrades	\$715	\$895	-
Upgrade frequency	Every 2 years	Every 2 years	Automatic and continuous

Order	General Features	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Web based access (access from any machine)	-	-	X
2	Runs on a Mac	-	-	X
3	Runs on a tablet	-	-	X
4	Drag and Drop functionality (User interface)	-	-	X
5	Guides user through the use of the tool	-	with 'Assistant' feature	X
6	Provides annotated output for ease of interpretation	-	with 'Assistant' feature	X
7	Critical Thought Map (project organization)	-	-	X
8	Project file sharing (near real-time collaboration)	-	-	X
9	Available in 9 languages: English, Portuguese, Spanish, German, Chinese, Korean, Japanese, Russian, French	-	No Russian	X
10	Upload process artifacts for context (images, video, documents)	-	-	X
11	Embedded team discussion and notes	-	-	X
12	Live linkage between data and output, auto-update of analyses	-	-	X
13	Customizable menu	-	X	-

Order	Six Sigma Specific Tools	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Affinity Diagram	X	-	X
2	Cause & Effect (C&E) Matrix	X	-	X
3	Check Sheet	X	-	X
4	Control Plan	X	-	X
5	Corrective Action Matrix	-	-	X
6	Critical To Quality Characteristics (CTQC) Tree	X	-	X
7	Data Measurement/Collection Plan	X	-	X
8	Failure Modes & Effects Analysis (FMEA)	X	-	X
9	Financial Analysis	X	-	X
10	Fishbone (C&E) Diagram	X	-	X
11	Gantt Chart	X	-	X
12	Input Screening	-	-	X
13	Monte Carlo Analysis	-	-	X
14	Process Flowchart	X	-	X
15	Process Map	X	-	X
16	Project Charter	X	-	X
17	Project Closeout template	X	-	X
18	Project Prioritizer	X	-	X
19	Project tracking capability	X	-	X (TRACTION - separate license)
20	Pugh Matrix	X	-	X
21	Quality Function Deployment (QFD)	X (House of Quality)	-	X
22	Sigma Level Calculator	X	-	X
23	SIPOC	X	-	X
24	Solution Selection	X	-	X
25	Value Stream Map (VSM)	X	-	X

	Lean Tools	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	5 Why	-	-	X
2	5S (CHECK) checklist	X	-	-
3	A-3 Report	-	-	-
4	Core Process Pull	-	-	X
5	Little's Law	-	-	X
6	Replenishment Process Pull	-	-	X
7	Standard Work	-	-	X
8	Value Stream Map (VSM)	X	-	X

	Data Manipulation	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Data functions (Copy/paste, Select multiple cells, delete/insert rows/columns, Sort, Stack/unstack, etc.)	-	X	X
2	Descriptive Statistics (numeric/graphical)	-	X	X
3	Pivot Table	-	X	-

	Graphical	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Bar Chart	-	X	X
2	Box Plots	-	X	X
3	Dotplot	-	X	X
4	Histogram	-	X	X
5	Multi/Vari Charts	-	X	-
6	Pareto Chart	-	X	X
7	Scatter plot/Matrix plot	-	X	X
8	Trend/Run Chart/Time Series Plot	-	X	X

	Measurement System Analysis	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Attribute Agreement Analysis (Attribute MSA)	-	X	X
2	Gage R&R (ANOVA)	-	X	X
3	Gage R&R (Xbar-R)	-	X	X

	Statistical Process Control	Minitab Quality Companion 3	Minitab 17	EngineRoom
	Variable			
1	CUSUM	-	X	X
2	EWMA	-	X	-
3	Xbar-R	-	X	X
4	Xbar-S	-	X	X
5	XmR/ ImR	-	X	X
	Attribute			
1	c	-	X	X
2	g	-	X	X
3	np	-	X	X
4	p	-	X	X
5	u	-	X	X
	Process Capability Analysis	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Process Capability Analysis - Continuous	-	X	X
2	Process Capability Analysis - Categorical	-	X	X (DPMO, Sigma Level Calculator)
	Correlation and Regression Analysis	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Correlation Matrix	-	X	X
2	Generalized Linear Models	-	X	-
3	Logistic (Binary) Regression	-	X	X
4	Multiple Linear Regression	-	X	X
5	Nominal (multinomial) Regression	-	X	-
6	Ordinal Regression	-	X	-
7	Simple Linear Regression	-	X	X
	Hypothesis Tests	Minitab Quality Companion 3	Minitab 17	EngineRoom
	Parametric			
1	1 Proportion Test (Exact Binomial & Z)	-	X	X
2	2 Proportions Z Test	-	X	X
3	Multiple Proportions Chi-Square Test	-	X	X
6	1 Mean t Test	-	X	X
7	2 Means (paired) t Test	-	X	X
8	2 Means (pooled) t Test	-	X	X
9	2 Means (independent) t Test	-	X	X
10	One-way ANOVA	-	X	X
11	Two-way ANOVA (or one-way with blocking)	-	X	X
12	One Variance Chi-Square Test	-	X	X
13	Two Variances F Test	-	X	X
14	Multiple Variances F (homogeneity) Test	-	X	X
15	ChiSquare Test of Independence	-	X	-
17	Anderson Darling Normality Test	-	X	X
	Non-Parametric			
1	1 Sample Sign	-	X	X
2	1 Sample Wilcoxon Signed Ranks Test	-	X	X
3	Paired Sample Sign	-	X (use 1-sample test)	X
4	Paired Sample Wilcoxon Signed Ranks Test	-	X (use 1-sample test)	X
5	2 Sample Mann-Whitney	-	X	X
6	Mood's Median	-	X	-
7	Kruskal Wallis	-	X	X
8	Friedman	-	X	X
	Confidence Intervals	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Cp, Cpk	-	X	X
2	Mean	-	X	X
3	Proportion	-	X	X
4	Std. Dev.	-	X	X
	Normality	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Normal Probability Plot	-	X	X
2	Normality Test	-	X	X
	Power and Sample Size	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Estimate 1 Proportion	-	X	X
2	Estimate 1 Mean	-	X	X
3	1 Proportion Test	-	X	X
4	2 Proportions Test	-	X	X
5	1 Mean t Test	-	X	X
6	2 Means t Test	-	X	X
7	One-way ANOVA	-	X	X
8	Design of Experiments (DOE)	-	X	X

	Design of Experiments	Minitab Quality Companion 3	Minitab 17	EngineRoom
1	Two-level Full Factorials	-	X (2-15 factors)	X (2-7 factors)
2	Two-level Fractional Factorials	-	X (2-15 factors)	X (3-15 factors)
3	General Factorials	-	X (2-15 factors)	X (2-6 factors, <=5 levels each)
4	Plackett-Burman Designs	-	X (2-47 factors)	-
5	Response Surface Methods	-	X (2-10 factors)	-
6	Mixture Designs	-	X (2-10 factors)	-
7	Taguchi Designs	-	X	-
8	Includes Power analysis in DOE design process	-	Separate tool, not integrated in DOE	X

