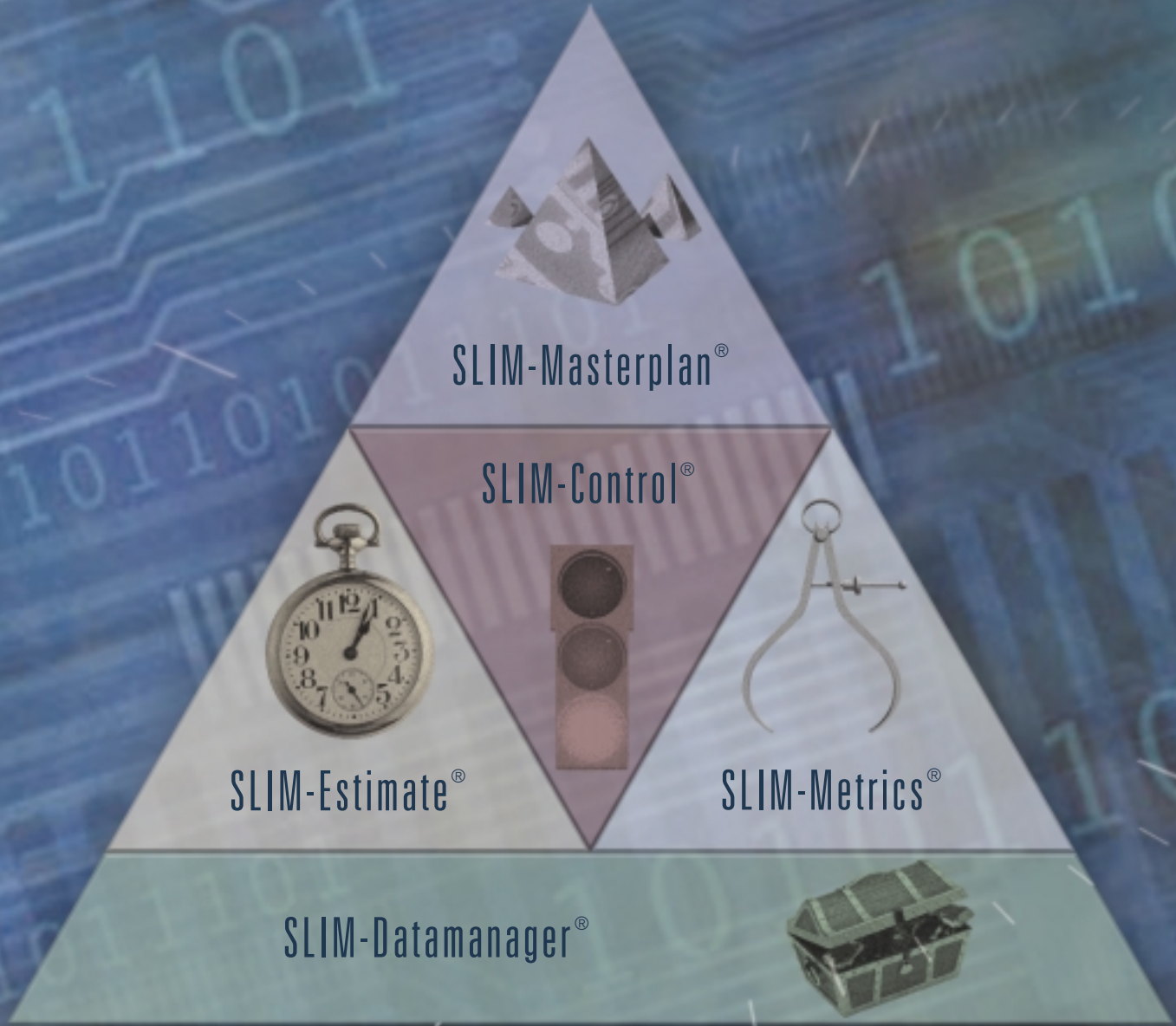


# SLIM<sup>®</sup> SUITE

Tools For Software Project Management



Everything You Need To Estimate, Control & Benchmark Your Software Projects

QUANTITATIVE SOFTWARE MANAGEMENT<sup>®</sup>

The Intelligence Behind Successful Software Projects

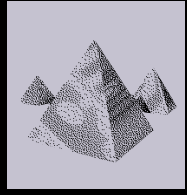
**QSM**<sup>®</sup>

# The Intelligence Behind Successful Software Projects

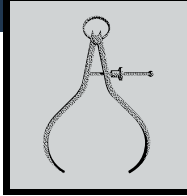
SLIM-Estimate®



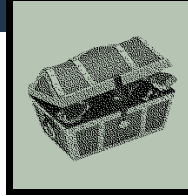
SLIM-Masterplan®



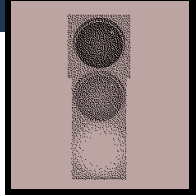
SLIM-Metrics®



SLIM-Datamanager®



SLIM-Control®



## A Higher Measure of Your Success

Your mission is critical. When it comes to the success of your software project, results aren't optional.

Faced with spiraling costs, limited staff, shorter deadlines, and increased competition, your success is directly linked to your ability to realistically scope your project and then communicate and negotiate acceptable schedule, cost, and reliability boundaries. Simply stated, it's your software project's inherent and learned Intelligence Quotient (IQ). With this intelligence at hand, you can reliably predict and manage success.

When reliability and results are a MUST, you need a partner who understands your mission. A partner who can help increase your project's IQ. You need Quantitative Software Management, Inc.® (QSM®). Since 1978, QSM has been helping software developers succeed by making the right choice with the lowest risks and highest rewards. We call it—the intelligence behind successful software projects.

## Smart Choice

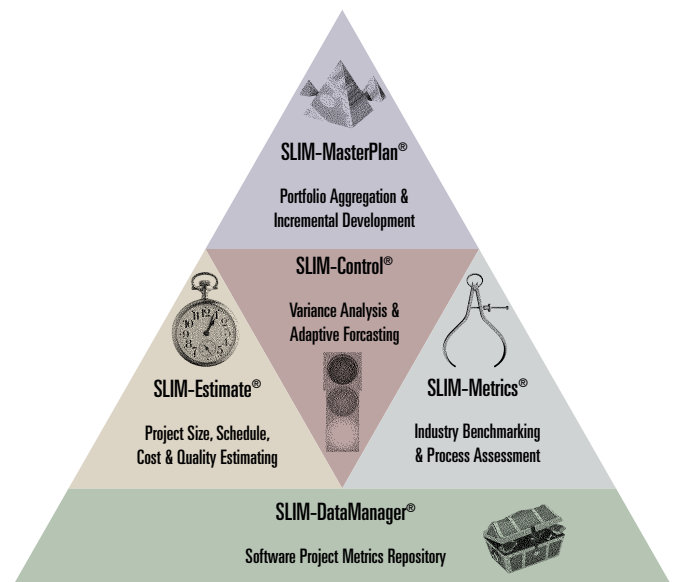
## Project Intelligence

# QSM®

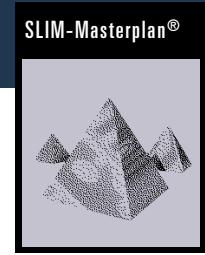
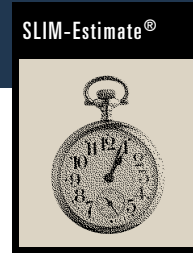
## QSM®, It's About Getting the Big Picture

QSM delivers a comprehensive solution to help you win from project planning to project completion, over the entire lifecycle of every project. QSM's core solution features a suite of Software Lifecycle Management (SLIM™) products and services that contain the horsepower you need to succeed: estimating, tracking and benchmarking.

While there are many measurement tools claiming to do parts of what you need, QSM delivers a total solution that stands above the rest in helping you get the big picture. Real value. Real fast. Consistently.



## IQ-Enabled Decisions



## What If Success Were Predictable?

Just imagine: your project is hailed as successful. It is completed on-time, on-budget and on-target. You get rave reviews from customers and management alike. And you can't wait for the next challenge.... To most software organizations, it could only happen in dreamland. In the real world—constantly pressured to be faster-to-market, do more-for-less and exceed customer demands—predicting success is risky business. What if there was a way to eliminate the guesswork?

Now you can stop imagining. There is a real solution to help you get there: Predictably. Effectively. Precisely. With full control and mitigated risk. It's called SLIM-Estimate from QSM, the company that delivers the intelligence behind successful software projects. Designed by people who understand your challenge, SLIM-Estimate is your "anti-guessware" arsenal to ensure requirements, budgets, timelines, staffing and product reliability withstand scrutiny BEFORE someone commits you to "mission impossible."

SLIM-Estimate helps you get there by converging your past performance with the vast experience of Fortune 1,000 companies and incorporating proven tools that are results-driven and reality-based. Bottom line: with QSM, you're not alone. You can leverage shared knowledge of 'what works' for world-class developers to predict success within your own environment.

## SLIM-Estimate: The Tools You Need To Succeed

### Intelligent View Technology

Process information in parallel. Customize, manipulate and analyze multiple outputs to communicate results quickly and efficiently to your customers.

### Smart Component Technology

Eliminate double entry and laborious updating with dynamically linked objects that update your assumptions and solutions as you graphically operate the cockpit controls.

### Quick Start Wizards

Get answers to the most frequently asked business questions quickly and efficiently with minimal input. These are ideal for early estimates when you don't have lots of information.

### Automatic Solutions Generator

Enjoy the expertise of a senior consultant at your fingertips. Enter your project constraints and SLIM-Estimate will provide multiple "can-do" alternatives to solve the problem.

### Tailored Estimates Based On Historic Data

Save time on customizing estimates and improve their quality with the push of a button. Just select the relevant projects and all the characteristics (efficiency, staffing, reliability, phase customization, etc.) will be transferred to a new estimate. It's instant customization.

### Flexible Size Estimating With Spreadsheet Model Integration

Rapidly respond to new technology or build a custom solution for any special client need with spreadsheet sizing models which can seamlessly integrate with the five sizing methods already built into the tool.

### Pre-Built Industry Standard Lifecycle Templates

Why reinvent the wheel? At your fingertips are the best-in-class industry recognized Lifecycle templates. Standard with QSM's SLIM-Estimate.

### Industry Specific Knowledge Bases

Even when you have your own historic data, you can rely on SLIM-Estimate to empower you with credible historic data available only to QSM clients. It's the proven data you need. Tap into this knowledge.

### Ready And Enabled Interfacing To Microsoft And Web

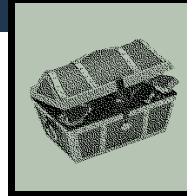
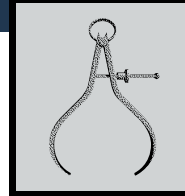
SLIM applications are designed to work in your office environment. When its time to create presentations or collaborate on the web, SLIM-Estimate lets you easily export data to your Microsoft Office or HTML formats.

### Integrated Management Reporting

When reports and graphs aren't enough to show the entire picture, SLIM-Estimate's Smart Notes feature allows you to store relevant textual descriptions for use and reuse in an easy to find and intuitively linked manner. Next time you need a report, it will be at your fingertips.

### Dynamic Solution Profiling

"What if?" is a question that often comes up. With SLIM-Estimate's Dynamic Solution Profiling, decision-makers can evaluate different options at the click of the mouse. Solutions change dynamically on the screen, allowing you to provide impressive alternatives quickly.



# A

## pply Projects' Past Performance Benchmarks to Achieve Future Measurable Success.

Question: Do you use historical data to improve the success ratio of your software development projects? You've probably heard that those who don't know the past are doomed to repeat it. Nothing rings more true when it comes to lack of applying sensible benchmarks that could have helped you avoid costly mistakes and achieve higher efficiencies. Until now, it was a difficult task. Seasoned project managers, just like you, have dreamed about having an intuitive, flexible, and expandable tool that enables you to easily perform historical data collection and analysis. Now it's here.

Introducing SLIM-Metrics from QSM...the only way to collect meaningful data for unlimited customized analyses. SLIM-Metrics is the proven tool of choice by organizations that want to stay ahead of the competition. From leading Fortune 500 companies to emerging-growth software companies, across government and manufacturing organizations, project managers harness the power of SLIM-Metrics to empower process improvements and enable improved productivity by applying the lessons of past project to optimize current and future project performance.

## Get Your Data In Line With SLIM-Metrics.

### Historical Data Capture

Store all of your organization's historical data in a single, open, relational database.

### Customizable Database

Quickly extend your collected data to include any measures or metrics you like, and then use powerful graphing and statistical tools to analyze your data.

### Fast, Efficient Data Entry

Set default values to describe your environment. The tabbed dialog interface makes data entry fast, consistent, and reduces time spent on error checking.

### ODBC Compliant File Format

OPEN database allows you to create seamless interfaces to other ODBC-compliant tools.

### Powerful Query Capability

Create specific subsets of your data and compare them to one another.

### Supports Multiple Views

Analyze any measure or metric against any other(s) with unlimited charting/reporting views within a single workbook and customizable graph and report functions.

### Industry Benchmarks

Industry trend lines for standard measures and metrics allow you to benchmark yourself against over 6,300 projects, or you can create your own trend lines from your completed project data.

### Statistical Analysis Tools

Uncover relationships in your data with statistical and regression analysis features, including four different curve-fitting algorithms.

### Compare up to 5 Datasets per Chart

Compare and contrast data from up to five different data sets on a single chart for internal benchmarking and competitive positioning.

### Special Project Identification

Track a single project through multiple graphs to visualize trade-offs and cause/effect relationships.

### Point & Click Project Details

Identify or view details for any data point on a graph with a single mouse click.

### Timesaving Features

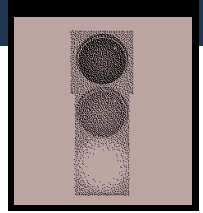
Add custom notes, zoom a graph, read x-y coordinates, and configure charts/reports with just a few mouse clicks.

### Presentation-Quality Outputs

SLIM-Metrics produces superb graphical outputs. You can easily print a set of graphs and tables that clearly makes your point. Bottom line: it's easier than ever to share your results.

### Windows/MS Office Integration

Export features allow you to easily move your data, graphs, and tables into and out of other Windows or MS Office products. Bottom line: you don't have to change the way you work.



## It's Intelligent Reporting at Your Command.

Question: who truly controls the life cycle of your software development project? If you're like most seasoned managers, chances are the answer is NOT YOU. Unless you have a strategic software application that allows you to make sense out of your data, chances are that mission-critical criteria such as budgets, timelines, resource utilization, and forecasting are left to CHANCE. So software success is possible but not probable. That's until now.

If your data is overpowering you, now you can make a real paradigm shift with performance-driven software that PUTS YOU IN CONTROL of key decisions. Introducing SLIM-CONTROL from QSM. It's the intelligent way to harness critical data into intelligent reporting formats you can use to win. So software success is predictable and doable in real time. Any time. All the time.

SLIM-Control is the proven assessment tool of choice by organizations that can't afford to lose. From leading Fortune 500 companies to emerging-growth software companies, across government and manufacturing organizations, project managers harness the power of SLIM-Control to ensure projects meet budget and scheduling expectations. At inception. At mid way with mid-course corrections. In the predictable future.

## Conquer The Data with SLIM-Control.

### ■ Earned Value Measurement Reports

Easily and seamlessly integrate critical reports to save time and money, and satisfy customers across multiple sectors to comply with regulatory and process requirements.

### ■ Adaptive Forecasting

Meet and exceed customers' expectations with reliable budgets and schedules created with the only software that learns your project's behavior and helps you adjust accordingly.

### ■ Management Scoreboard Reporting

View the status of your project at any time, create automated reports for top management, and simplify your post mortem analysis.

### ■ Embedded Variable Reporting

Save time and money with project reports that update automatically when new data is input.

### ■ Custom-Defined Metrics

Choose the metrics you want to capture and analyze, and create custom screens and dashboards that display only the information you need.

### ■ Control-Bound Rule Editor

Implement statistical process control and choose thresholds where management alarms should be sounded.

### ■ Plan & Forecast Logs

Quickly store and retrieve completed plans and forecasts for comparison, create an audit trail of the planning baseline, and simplify the post mortem process.

### ■ Industry Trend Lines

Rely on the proven performance trends of thousands of software developers to benchmark the success of your projects.

### ■ Application Programming Interface (API)

Ensure accurate results analysis and save time with automated data collection.

### ■ Import-Export

Analyze, update and share project results with easier importing and exporting of data with all MS Office products and MS Project.

### ■ Common User Interface

Simplify your process with a user interface that's common with all other products in the SLIM-Suite.



## A COMPANY THAT HAS WALKED A MILE IN YOUR SHOES

Quantitative Software Management was founded in 1978 by Lawrence H. Putnam, a world-renowned expert in the software measurement industry. Since its inception, QSM's mission has been to develop effective solutions for software estimating, project control, productivity improvement analysis, and risk mitigation. With world headquarters in Washington DC, and regional offices in Massachusetts, England, and The Netherlands, QSM has established itself as the leading total solution provider of choice for software developers in high-performance mission-critical environments. Its leading comprehensive suite of products, entitled Software Lifecycle Management (SLIM) is the household brand for decision makers in Fortune 500 companies such as IBM, MOTOROLA, and EDS, as well as government and military organizations such as the U.S. Department of Defense.

|   |                                    |
|---|------------------------------------|
| FBI                                     | OSD Programs Analysis & Evaluation |
| GE Transportation Systems               | Citigroup                          |
| Global Signaling                        | CGY Ernst & Young                  |
| Census Bureau                           | GE Fanuc Automation                |
| Boeing                                  | ING Group                          |
| Honeywell                               | Medtronic                          |
| Bell Canada                             | Hewlett-Packard                    |
| Motorola                                | Motorola                           |
| Computer Sciences Corp.                 | Convergys                          |
| EDS                                     | BearingPoint                       |
| CGI                                     | US Army PM GCCS                    |
| Navy SPAWAR ITC                         | Harris Corp                        |
| Lockheed Martin                         | KLA-Tencor                         |
| SAIC                                    | Logistics Management Institute     |
| Euroclear                               | McKesson                           |
| State of California                     | NCR Corp                           |
| ACS                                     | Northrop Grumman                   |
| US Army TACOM                           | Ortho Biotech                      |
| Air Force Cost Agency                   | Ralston Purina                     |
| Athens Group                            | IBM Rational Software              |
| Johnson Controls                        | Raytheon                           |
| Fannie Mae                              | Rockwell Collins                   |
| California Imperial Irrigation District | AMS                                |
| Department of Justice                   | SRA                                |
| AT&T                                    | The Vanguard Group                 |
| IBM Global Services                     | Union Switch & Signal              |
| The Mitre Corporation                   | UNISYS                             |
| Navy PEO Strike Weapons                 | US Army PEO Tactical Missiles      |
| Unmanned Aviation                       |                                    |
| Siemens Medical                         |                                    |
| Nortel Networks                         |                                    |

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