



## How do you measure and optimize engineering effectiveness?

Few companies can accurately answer this question since there is much debate and little consensus regarding the way to measure the output of your software development teams. Ness Software Product Labs<sup>SM</sup> has developed a proprietary and collaborative approach to measure and optimize your software development organization, regardless of its location, technology or skill set. The Ness Engineering Effectiveness Model<sup>SM</sup> includes three key components: Process, Technology, and Quality. Within the context of your business objectives, the goal is to develop an action plan to optimize your global development process(es).

## Process, Technology, and Quality

Ness has identified 3 key elements that contribute to engineering effectiveness based on your business objectives. For each area we examine underlying key factors that impact effectiveness and deliver scorecards, a gap analysis, and finally an action plan that incorporates key metrics.



### Process Optimization

Ness has created a set of qualitative and quantitative measures to evaluate your software development methodology and systems. Through implementing recommendations based on this evaluation process, many clients have significantly improved their time-to-market, the number of features delivered, and overall product quality.

### Deliverables

- Process Assessment Scorecard comparing your methodology to industry and Ness best practices with key performance metrics
- Gap analysis between your current process and best practices
- Action plan to optimize your global development process(es) to meet your business objectives

### Technology Optimization

Technical debt (poor design decisions made for valid business reasons) and other architectural issues can have a massive negative impact on your productivity. Many companies find the majority of their resources are consumed with maintaining legacy code rather than adding features requested by customers. Our assessment will highlight the best opportunities for refactoring your code so you can spend more time adding features.

### Deliverables

- Architecture evaluation
- Code evaluation
- Performance, scalability and reliability evaluation
- Modernization assessment
- Action plan to address greatest value opportunities

### Quality Optimization

More than any other function in the development process, ensuring appropriate defect prevention and defect remediation will have a direct impact on your quality and predictability.

### Deliverables

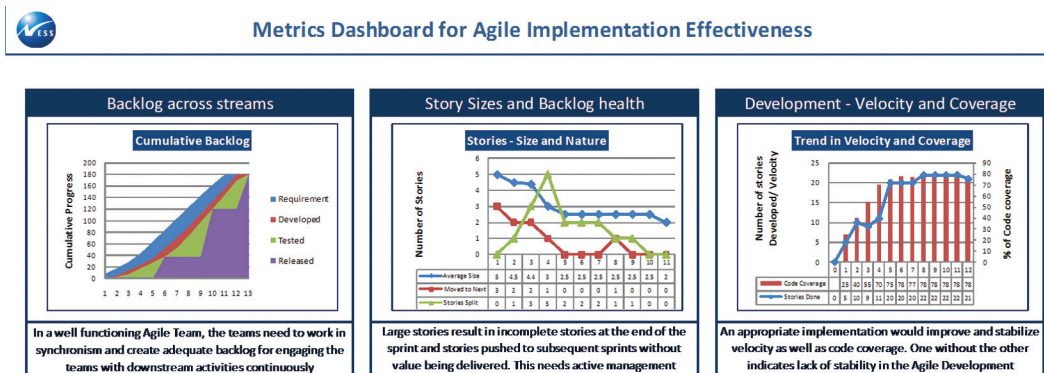
- Quality assessment
- Action plan to optimize quality effectiveness

**The Ness Engineering Effectiveness Model is a proprietary and collaborative approach to measure and optimize your software development organization, regardless of its location, technology or skill set.**

## Measuring and Optimizing Effectiveness

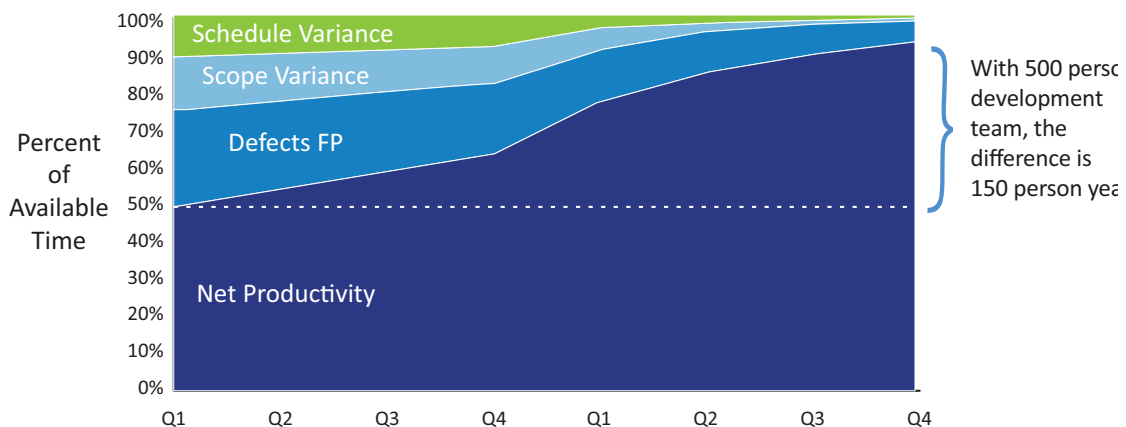
### The Ness Engineering Effectiveness Model<sup>SM</sup>

Our approach is to first standardize your work effort in three key areas: process, technology, and quality. Once a standard measure of development output is established, we implement a series of automated metrics to uncover the activities that prevent the delivery of new work that meets client expectations. These typically include the defect inflow and resolution rate, scope variance, and schedule variance.



When companies are able to focus on reducing the effort that detracts from value, they free up significant capacity (or reduce cost) to drive value-added activities and innovation.

We look forward to speaking to you about how the Ness Engineering Effectiveness Model can contribute to your organization's success.



**Contact us to schedule a two-hour initial assessment with our team. We will deliver our standard benchmarking report, free of charge.**



Ness Software Product Labs™

**Ness Software Product Labs<sup>SM</sup>** is a Ness global service line that provides software product expertise — from concept through development to market support — delivered via collaborative “extended product labs.” Ness operates software R&D labs for more than 50 ISVs and other product-oriented clients, utilizing its technology centers across India and Central and Eastern Europe, along with onsite and local presence in North America, Europe, Israel and Asia Pacific. <http://www.ness.com/spl>.