ENHANCING THE SOFTWARE DEVELOPMENT LIFE CYCLE PROCESS

OPTIMIZE

An Engineering Approach Provides Path to Meet Business Growth Challenges

THE BUSINESS CHALLENGE

A B2B subsidiary of a Fortune 500 software company experienced 200% growth primarily through the sale of an industry-leading but very complex software product. As growth accelerated, management became aware of signs of strain within the software development organization. The development team had difficulty successfully developing and releasing new software products to the market as planned and **release dates were missed or pushed out**. There were also **internal communication and hand-off challenges** due to the lack of clarity within the processes around accountability and roles. The executive team decided to engage an offshore team for part of the software development process in order to increase the productivity of the development team. Additionally, there was a need to re-engineer the company's internal software processes. AGSI was selected to review these processes and drive process improvements around development, documentation and training.

AGSI'S HIGH-LEVERAGE SOLUTION

AGSI began by conducting a complete review of the software processes based on CMMI, IEEE and Six Sigma. We then built an **integrated and sustainable Software Engineering and Organization Life Cycle that was scalable and adaptable**. The team clearly defined the phases, workflow, roles and responsibilities, and measurements. Quality toll gates and hand-offs were also defined. We then developed standard templates and procedures for mandatory artifacts and processes and established a **modified organizational structure to optimize the client's existing resources** and talents.

Finally, AGSI aligned the Borland tool suite to the Methodology and mentored key resources on the new Methodology and deliverables. A Methodology Portal was set up as a repository for all Methodology artifacts.

VALUE TO THE ENTERPRISE

Key benefits from this project included:

- Reduced cost – Defects and faults can now be detected earlier in the process and **streamlined work flow** makes the development process more efficient.
- Higher quality – Defined quality toll gates and hand-offs provide an opportunity to **correct defects and faults before the software goes to market**.
- Increased Productivity – Clearly defined roles and responsibilities and better alignment of resources throughout the life cycle mean **less confusion** and fewer hand-off challenges.
- Improved Scheduling – The new Methodology allows for **greater predictability and improved planning** throughout the life cycle.
- Increased employee and customer satisfaction.

IN BRIEF

CLIENT:
B2B Software Development Company

ENGAGEMENT:
Development Life Cycle Improvement

CHALLENGE:
Overcome demands produced by fast growth, and produce significant process improvement

OUTCOME:
A scalable, sustainable new process optimizes work flow, resource management, documentation and more

---

AGSI

BUSINESS ▲ TECHNOLOGY®

STRATEGY • GOVERNANCE • EXECUTION

3343 PEACHTREE ROAD, NE., SUITE 510, ATLANTA, GA 30326 | 800-768-2474 | AGSI.COM