



Luxoft Performance Services

Performance Problems



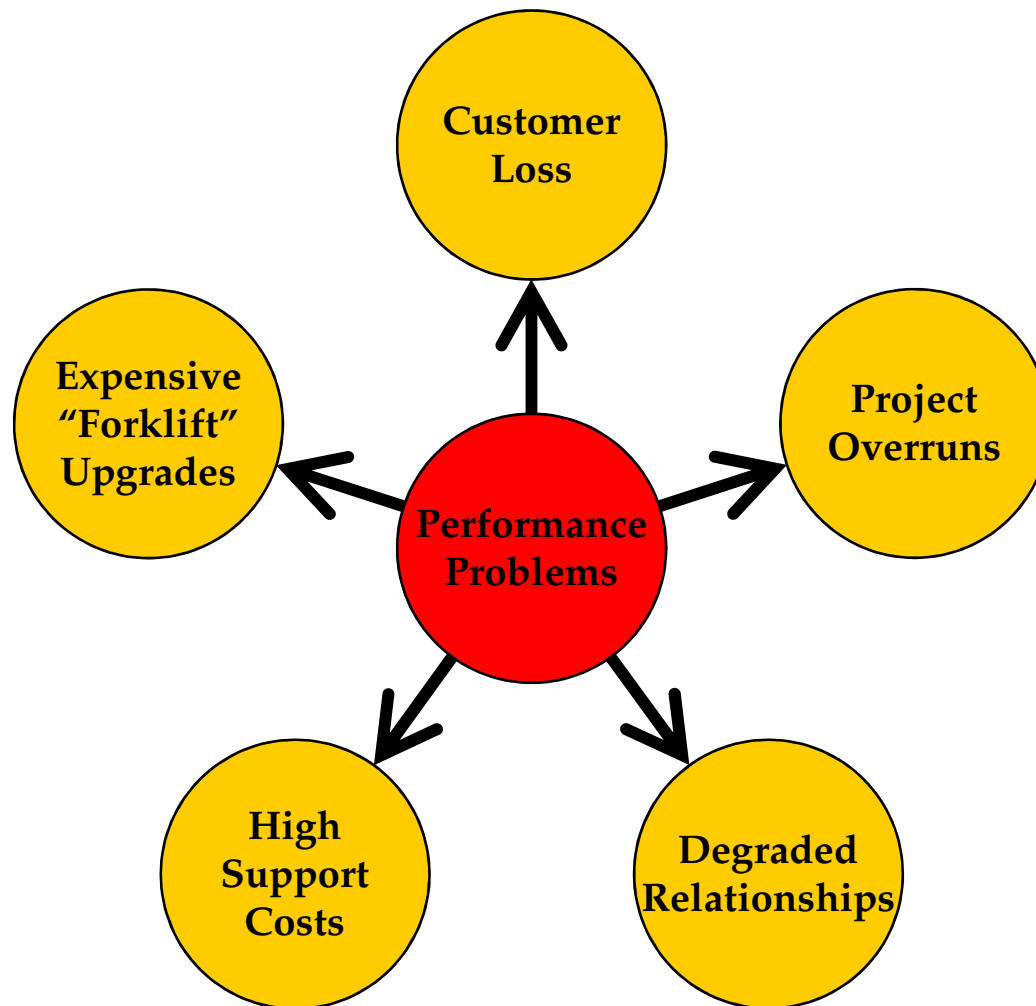
- Success requires more than just core functionality
- Business needs demand the highest levels of
 - > Performance
 - > Scalability
 - > Stability
 - > Availability
 - > Predictability

Performance Problems

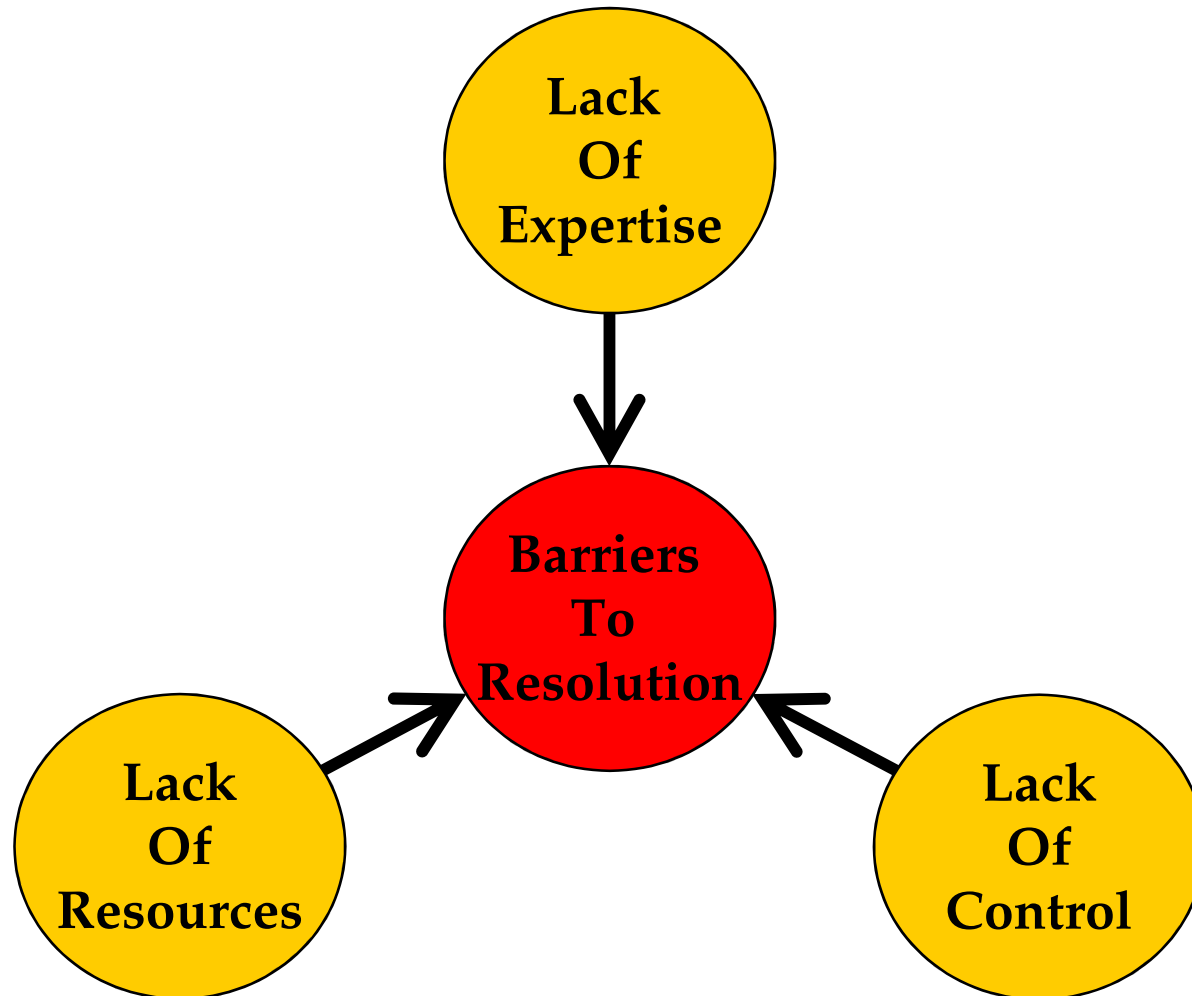


- *“I'm rolling out a new system that has to support 5,000 people in 15 offices spread across the country. I need to be sure that this system is going to hold up.”*
- *“In February, we're planning a major upgrade to a key system. How can I be sure this isn't going to new introduce problems into my stable system?”*
- *“Our product is selling well, but this success is pushing it to the limits. We need to resolve our performance problems if we want our market growth to continue.”*
- *“This system can't go down. If I'm going to sleep at night, I need to know that nothing can touch it.”*

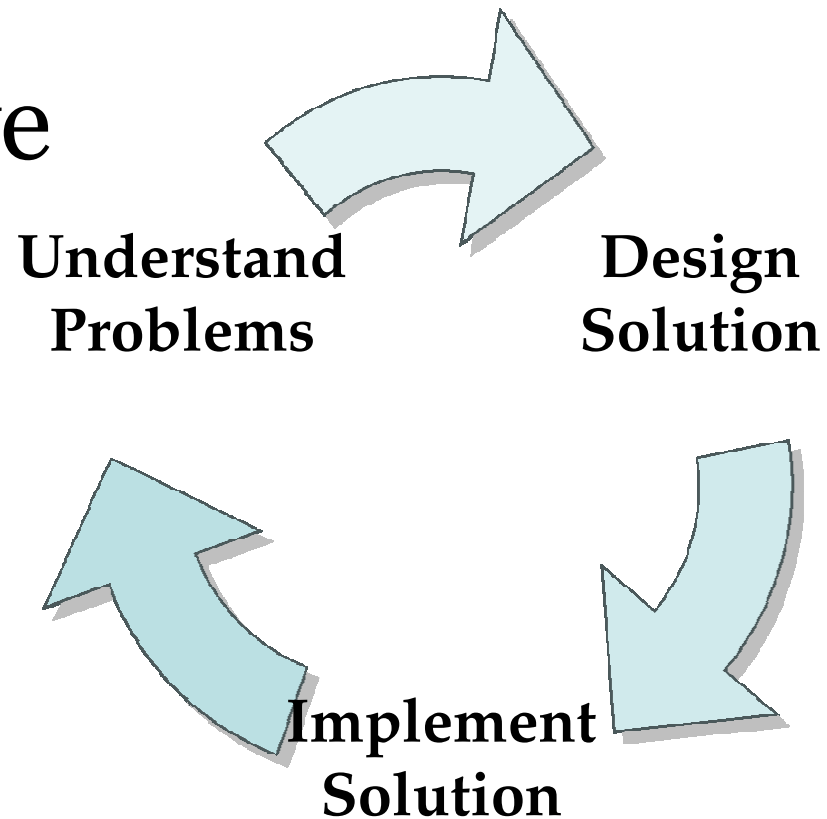
Performance Problems – Costs



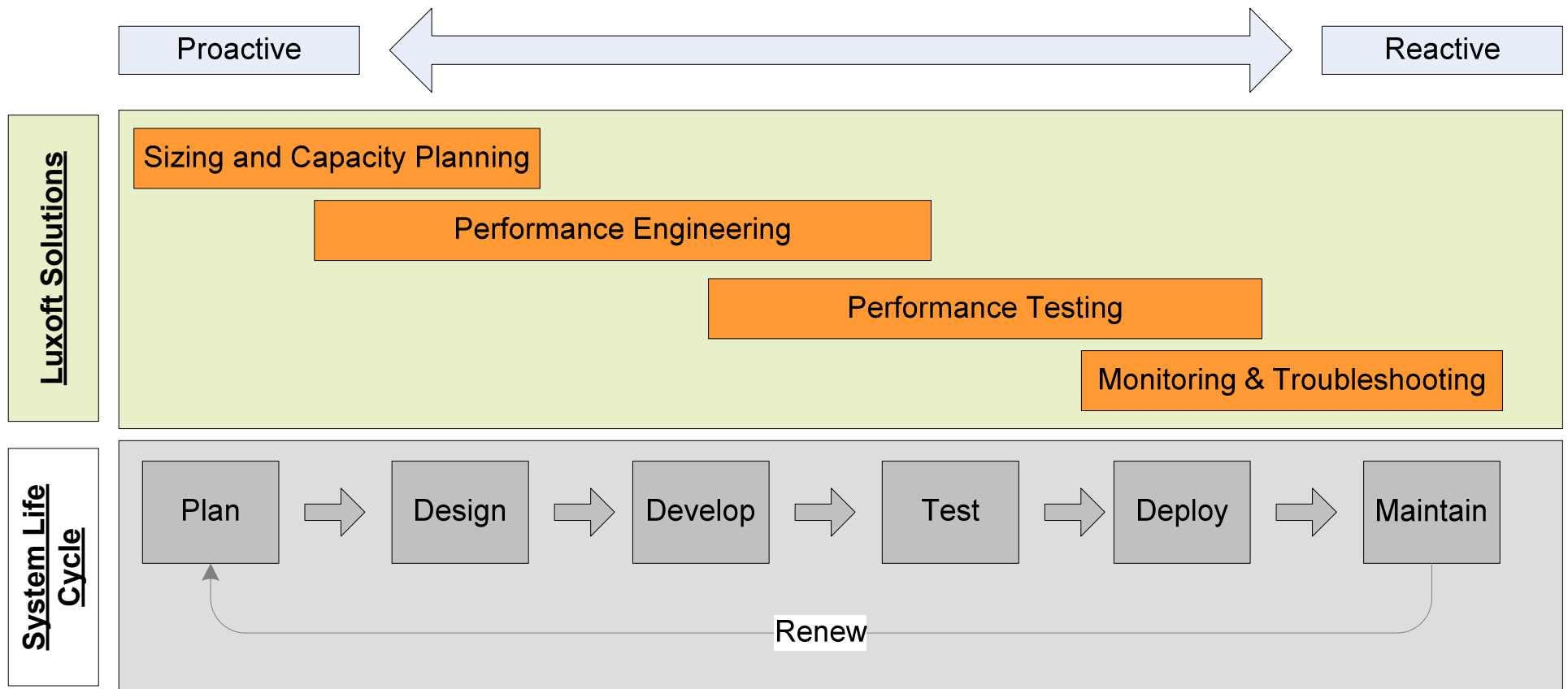
Performance Problems - Difficulties



- Flexible
- Comprehensive
- Effective



Luxoft Performance Solutions



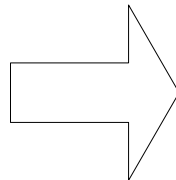
Monitoring and Troubleshooting



Luxoft Monitoring and Troubleshooting Services

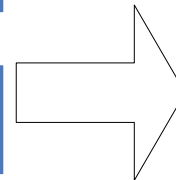
Challenges

- Lack of Visibility into the Enterprise
- Nagging Performance Problems in Production



Deliverables

- Monitoring Systems
- Problem Identification Reports
- System Tuning Recommendations



Outcomes



Performance Testing



Luxoft Performance Testing Services

Challenges

- Impact of a Large Change is Unknown
- SQA Practice Not Finding Performance Problems

Deliverables

- Performance Test Design
- Load Test Automation
- Test Execution & Analysis
- Tuning Recommendations

Outcomes

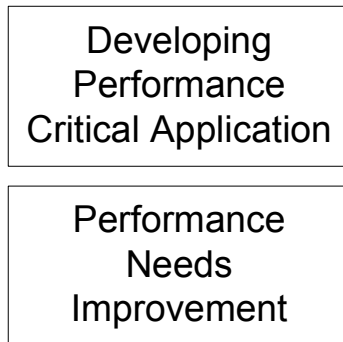


Performance Engineering

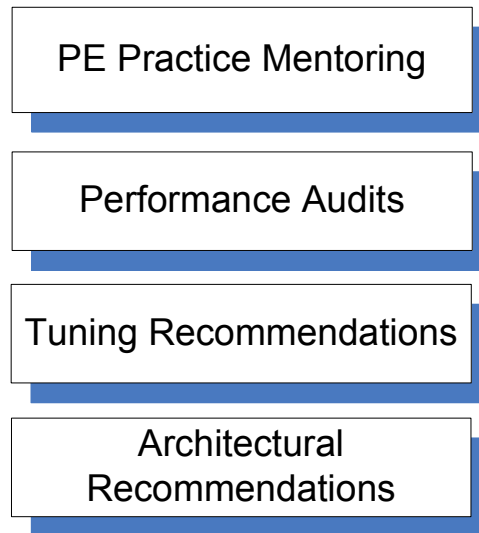


Luxoft Performance Engineering Services

Challenges



Deliverables



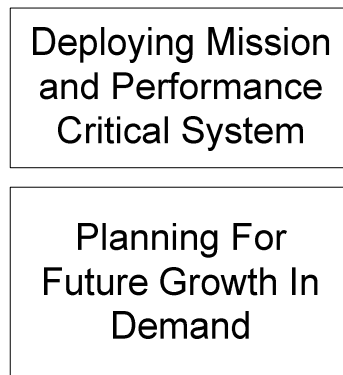
Outcomes



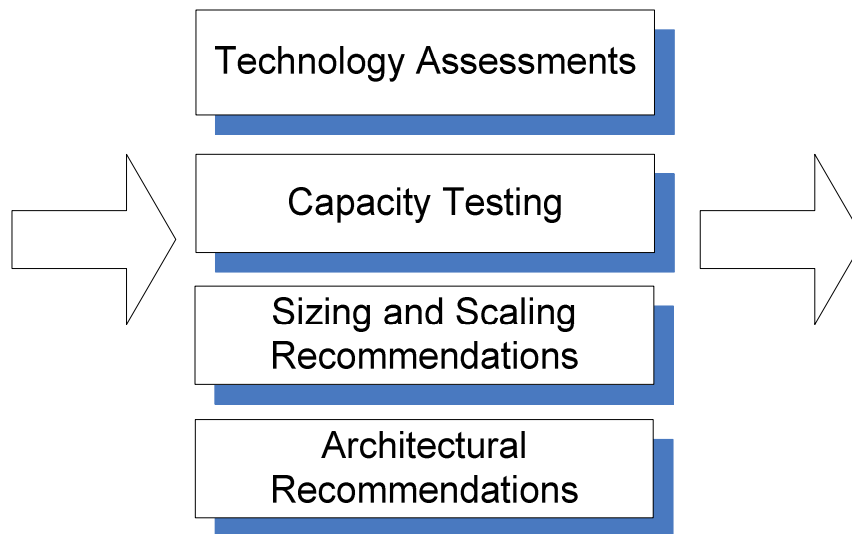
Sizing and Capacity Planning

Luxoft Sizing and Capacity Planning Services

Challenges



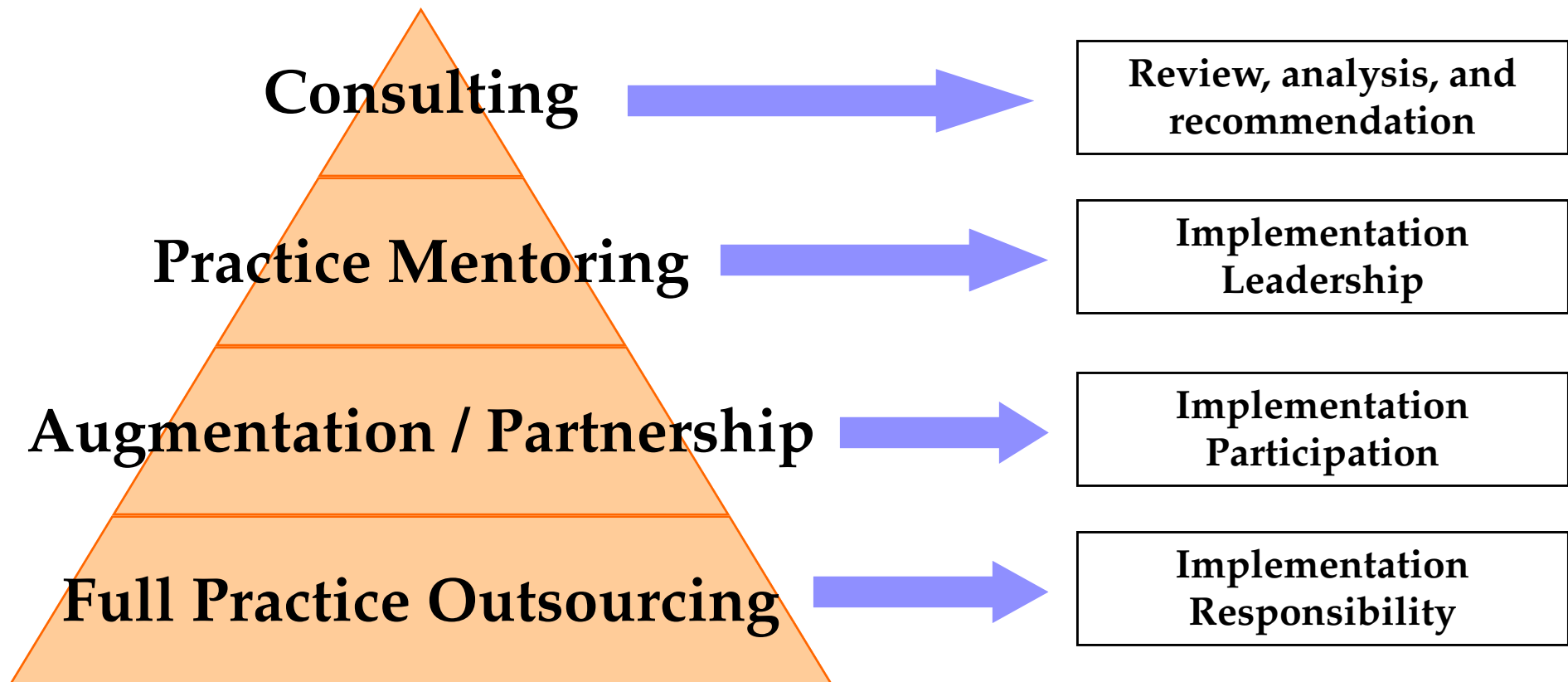
Deliverables



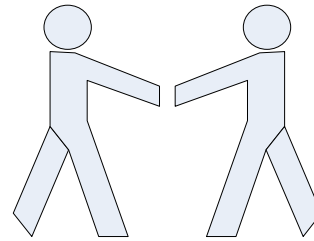
Outcomes



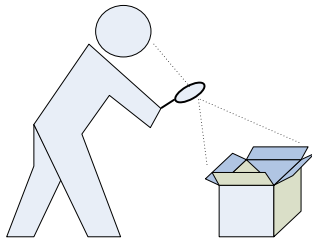
Engagement Scenarios



Flexible Delivery



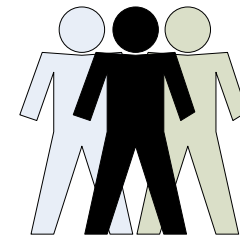
Performance Consultants



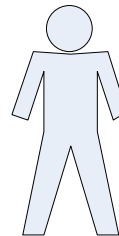
Performance Analysts



Global Delivery Architecture



Automation Engineers



Subject Area Experts
(e.g. DBA, Developer, Architects)

Case Study: Telecom Test Center



■ Client

- > Large Eastern European Telecommunications Provider

■ Challenge

- > Need to respond to rapidly evolving marketplace with innovative products without compromising quality, efficiency, and reliability

■ Solution

- > Dedicated testing center including 11 SQA Specialists providing:
 - Manual and automated functional testing (Mercury Quality Center)
 - Automated performance testing (Mercury LoadRunner)
 - Development of emulators for Performance Testing

■ Outcomes

- > Ability to focus on core competency of product design
- > Ability to scale testing in response to business needs
- > Maintenance of important efficiency and performance requirements

Case Study: Proactive Feasibility Study



■ Client

- > Government Treasury

■ Challenge

- > Need to assess the feasibility of a proposed application to provide content management services over low bandwidth satellite network

■ Solution

- > Development of mathematical model to simulate network interactions
- > Creation of simulation tests using open-source SLAMD testing tool
- > Simulation and measurement of application network load
- > Assessment of feasibility by comparing with known specifications

■ Outcomes

- > Proactive assessment of feasibility without working code
- > Cost-optimization through the use of open-source tools

Why Luxoft?



- **Expertise** in the practices, technologies, and disciplines necessary for success
- **Experience** in implementing and executing successful performance efforts
- **Resource pool** with breadth and depth to cover the full gamut of technologies and tools
- **Global delivery** which blends near-shore and off-shore to maximize effectiveness
- **Partnership** focus which works with your strengths and augments weaknesses