



Project Management



***Integrated Factory Automation Solutions
Enhancing Productivity and Capital Asset Performance***



THE PROBLEM

According to the Project Management Institute 85% of all projects fail. They often fail to meet the schedule targets, budget targets, leverage the resources effectively and, last but not least, fail to solve the real problem.

More specifically, projects fail because of lack of one or more of the following:

1. Executive support and organizational commitment
2. Clear project definition, business objectives, and requirements
3. Effective team and support structure to suit the project
4. Practical plan and expectations
5. Clear roles and responsibilities
6. Involvement of experienced project managers
7. Adequate risk management and quality methods
8. Integrated change of control, including scope, schedule, and costs
9. Effective communication
10. Standard, consistent, and practical methodology



Project risk is about taking chances with poor planning that can lead to costly fire-fighting down the road.





PREVENTING VERSUS CURING

An ounce of prevention is worth a pound of cure! In fact, Total Quality Management theory is founded on the premise of preventing mistakes: Doing it right the first time.

The edict is easy to say but hard to implement in the absence of professional management resources that should complement the team of any sizeable project.

Automation projects in particular need professional management because of the magnitude and shear complexity of the typical project:

- ❑ Deploying significant “hard” and “soft” dollars.
- ❑ Requiring fast implementation times driven by time-to-market competitive pressures
- ❑ Comprising significant technological complexity that requires planning and coordination
- ❑ Involving many disciplines in many tasks that require joint participation and communication.

The bigger the risk, the higher the need for professional Project Management

CONSISTENT PROJECT EXECUTION	Consistent project execution is the compelling business reason that drives organizations to implement a project management methodology.
PROJECT MANAGEMENT PROCESS	Having a standard project management process in place for managing projects accelerates project start-up time, increases project speed, and makes project results more predictable.
BUSINESS GOAL PROFITABILITY	The end result is a higher probability of business goal achievement through projects.

Project Management is about planning the execution (doing the right things) and executing the plan (doing things right)



THE WTAS PROJECT MANAGEMENT METHODOLOGY

PROJECT DEFINITION

- ❑ Define objectives
- ❑ Measuring project benefit – how much value will the project add in the organization?
- ❑ Define deliverables
- ❑ Define risk, constraints, and key assumptions



Success in the project management arena demands a structured, systematic approach to project management. WTAS utilizes tools and techniques for each phase of project management:

- *Defining*
- *Planning*
- *Executing*
- *Controlling and*
- *Closing the Project.*

PROJECT PLANNING

- ❑ Plan development
- ❑ Scope planning and definition (WBS)
- ❑ Activity definition and sequencing
- ❑ Activity duration estimating
- ❑ Schedule development
- ❑ Resource planning
- ❑ Cost estimating and budgeting
- ❑ Quality and organizational planning
- ❑ Staff deployment
- ❑ Communication planning
- ❑ Risk management planning
- ❑ Qualitative and quantitative risk analysis

PROJECT EXECUTION

- ❑ Project plan execution
- ❑ Quality Assurance
- ❑ Team development
- ❑ Information dissemination
- ❑ Administration

PROJECT CONTROL

- ❑ Integrated Change Control
- ❑ Scope verification
- ❑ Scope change control
- ❑ Schedule, cost and quality control
- ❑ Performance reporting
- ❑ Risk monitoring

PROJECT CLOSURE

- ❑ Delivery and sign-off
- ❑ Project repository development
- ❑ Lessons learned – Project review
- ❑ Professional responsibility and ethics

FEEDBACK



THE WTAS PROJECT MANAGEMENT APPROACH

From Start to Finish!



From component part design to process development to designing an automated assembly line or setting up a manufacturing environment in order to satisfy your customers



COMPONENT PART DESIGN



MANUFACTURING & ASSEMBLY PROCESS DESIGN



FACTORY AUTOMATION EQUIPMENT DESIGN & IMPLEMENTATION



FINAL ASSEMBLY

WTAS PROJECT MANAGEMENT SVCS



In today's work environment with budgets being carefully scrutinized and tighter deadlines, managing projects successfully is critical. It is, therefore, important that project managers have the proper experience and are properly trained in order to meet these challenges.

TOOLS

- Enterprise wide job costing system (Visual Mfg).
- Real Time Project Scheduling (MS project 2000).
- Secure FTP Customer Web-Site for exchanging project information:
 - ✓ Project status
 - ✓ Gantt Charts
 - ✓ Reports
 - ✓ Photos
 - ✓ Issues

WTAS provides professional staff with extensive experience to lead project teams through cross-functional participation through each stage of the project management lifestyle.

QUALIFICATIONS

1. Dedicated Project Manager
 - Experienced Project Management Professionals
 - Dedicated project "Team"
2. Project Plan
 - Defined project budget
 - Activity and resource planning
 - Milestones, and timeline
3. Implementation & Management
 - The "Green Binder" Contract Review
 - The "Blue Binder" Project Release
 - Vendor control, Contract administration & AQP
 - Delivery performance monitoring and status reporting
4. ISO-9001 – 2000 Certification

