Over 40 Years serving the shipbuilding and repair industry with computer systems for better planning and managing production operations.
Integrated Software Solutions

• Cost Estimating
• Planning & Scheduling
• Labor Work Order & Time Charge Management
• Material Purchasing & Inventory Control
• Job Costing & Forecasting
• Activity-Based Accounting - Direct & Indirect Costs
• Government Cost/Schedule Control Systems Reporting
• Contract Change Order Management
PERCEPTION®, an Integrated Shipyard Planning & Resource Management System
SPAR’s Business Focus

• Software to Support Shipbuilding (Commercial & Naval)

• Software to Support Ship Repair, Overhauls & Modernization Projects (Commercial & Naval)

• Services to Support Shipyards Planning & Project Management

• Independent Cost Estimating Services to Support Shipyards, Ship Owners, Design Agents & Government Agencies

• Management Consulting Services
SPAR’s Technology Advances

1970's
- Mainframes

1980's
- Minicomputers
- PC DOS LANs
- 2-Tier Client/Server Networks

1990's
- 3-Tier Client/Apps/Server Networks

2000's
- Web-based Products
- Flat Files Database
- B-Trieve
- SQL Relational
Support Services

- Training
- Customized Software Development
- Systems Integration
- Data Conversion
- Software Maintenance
- Management Consulting
- Independent Cost Estimating
Samples of Independent Commercial Cost Estimates

- San Francisco Transit Authority Fast Ferry Designs
- NYC Sludge Tanker
- Short Sea Shipping High-Speed Trimaran
- Commercial SWATH/SLICE Cost Model
- Product Carriers & Alaskan Crude Tankers
- Barges & Towboats
- Hydrographic Research Vessels
- Search & Rescue Vessels
- Fire Control Vessels
- Containership Conversions
- Forebody Replacement Cost Studies
- Alternate LNG Tank Design Cost Study
- Alternate Bulkhead Design Cost Study
Samples of Independent Military Cost Estimates

- Navy Joint High Speed Vessels (JHSV) Trimaran & Catamaran Transport Ships
- Navy Joint High Speed Sealift (JHSS) Trimaran Transport Ship
- Navy High Speed Sealift (HSS) Vision Composite Trimaran Transport Ship
- Navy Rapid Strategic Lift Ship (RSLS) Mono-Hull
- Navy Heavy Air Lift Seabasing Ship (HALSS) Trimaran
- USCG Cutters, Patrol Boats & Buoy Tenders Cost Models
- USCG Fast Response Cutter (FRC) “B” Design Alternatives in Steel, Composite & Aluminum
- USCG National Security Cutter (NSC) Design/Construction Cost Alternatives
- Navy Aircraft Carrier HVAC Modernization
Established Cost Estimating Libraries

Cost Models

The SPAR Cost Models (Mono-Hull, Trimaran & Catamaran) are used to estimate concept and preliminary ship designs.

The cost models permit quick assessments of costs, risk, and design/mission cost trade-off and build strategy alternatives.

Special variant mono-hull cost models include:
• Tankers & Product Carriers
• Container Ships
• Bulk Carriers
• Patrol Boats, Cutters & Frigates
• Hydrographic & Research Ships
• RO-PAX Trailer Ships

• Also, SPAR’s Ship Repair & Maintenance Cost Model provides a thorough means for estimating these costs quickly.
Technical Publications

• “Shipyard Cost Estimating”
• “Expanded Modularization, Ship Design & Construction”
• “Estimating Coating Costs for Ships”
• “Planning New Construction & Major Ship Conversions”
• “Guide For Shipyard Material Control”
• “Full Implementation of a Shipbuilder’s Earned Value Management System (EVMS)”