



Turkish Defense Industry Cooperation

BAV Division

Presented by

Larry Simmelink
Turkish Program
Manager

Contact Information:
LTSIMMELINK@VSECORP.COM
+1 703-675-0296



BAV- Overview

- FMS Supportability Program Contractor
 - Life cycle support for ships transferred/sold/leased by the U.S. Navy
- 39 successful ship transfers/67+ major overseas availabilities on schedule/budget
- Ongoing Follow-on Technical Support (FOTS) projects in 11 countries
- 245 staff currently supporting this program, 117 overseas
- 5-year, \$544 million contract awarded as follow-on to original 10-year, \$1-billion contract
- Management of 15 major team members.



BAV TEAM

- VSE
- George G Sharp
- Gibbs and Cox
- Detyens Shipyards
- B&D Boilers
- SAIC
- CSC
- Sullivan and Associates
- Booz|Allen|Hamilton
- Atlantic Ordnance
- BAE Systems
- General Dynamics
- Raytheon
- DRS
- L-3 Communications
- Rolls-Royce



Follow-on Technical Support

- Foreign customer identifies need/presence
- Services include:
 - Overhaul and maintenance management
 - Technical assistance
 - Engineering
 - Logistics support
 - Supply chain management
 - Training
 - Industrial support
 - Infrastructure planning and development



Follow-on Technical Support

- Availability Planning and Execution:
 - DSRA
 - PMAs
- Fly-away Teams (USN 17; USCG 8):
 - FFG Hub and Prop Replacement
 - Sonar Dome Rubber Window Replacement
 - Anytime/Anywhere
- Alteration Installation:
 - Caterpillar Diesel Generators
 - Reverse Osmosis Water Makers
 - CIWS BLK 1B Conversion
 - Electronic Automatic Boiler Control Upgrade



Reactivations and Transfers

- 39 ships in 12 years
- Ship transfers consist of 13 Hot, 3 Warm, and 18 Cold
 - 21 East Coast, 14 West Coast, 2 Gulf Coast and 2 Persian Gulf
 - Transfer of 8 ex PERRY FFG's to Turkey
- Services in the U.S. include:
 - Industrial availability planning, execution, and support
 - Tailored logistics and tech documentation support
 - System/equipment operation and maintenance training
 - Crew support
 - Modernization engineering support and installation
 - Heavy lift, towing, transit assistance
 - Weapons Systems operational qualification trials



Reactivations and Transfers

Current Projects

ATF to Turkey (In progress)

FFGs to Turkey (2) Congressional
Approval in progress



Engineering Services

- Deficiency identification and analysis
- Equipment and systems modernization design
 - AAW systems for Meko Track II and “G” class
 - Installation of Mk 41 VLS
 - Working with Havelan, Ayesas, Yaltes on system component design
 - Ship infrastructure to support Evolved Sea Sparrow Missile (ESSM)
 - Capability enhancement
 - ASIST installation
 - Design studies for sensor upgrades on Meko Track II and “G” class
 - Potential work on software design and development
- Compensation for changes in operational scenario
- Weapons Systems research
- In Service Engineering Agent support



Engineering Services

**Turkish FFG Flight Deck Modification & ASIST Installation
Golçuk Naval Shipyard**



Industrial Services

- Industrial and training facilities construction and repair
- Shipyards qualified to NAVSEA Standard Work Items:
 - Golçuk NSY, Turkey
- Modification of Antenna Repair Facility
 - Bids solicited from Turkish industry
- Redesign Istanbul NSY, Turkey
 - Combat Systems Repair Facilities
 - BAV local design office staffed with Turkish engineers



Contracting Processes

- Experience with Turkish Industry has established processes that are applicable to both FMS and direct commercial efforts
- Process
 - Identify the task and potential teaming partners
 - Establish business relationship
 - Develop joint Statement of Work (SOW) and determine work share
 - Execute Technical Assistance Agreement (TAA) for export license purposes with DoS or DoC
 - Develop task proposal for submission to customer
 - Execute the task on award of Contract



Turkish Cooperative Partners

Iz Insaat

Kure Insaat

Megaform

Yilko

Yaltes

Havelsan

Vestel Defence

Ayesas

Sasim

Yazici



Additional Turkish Industry Cooperation

- George G. Sharp, Inc.
 - Ongoing efforts with Vestel Defence Industries for ship design and construction for Turkish Navy
 - Ongoing efforts with SASIM for engineering services for repair and upgrades for the Turkish Navy and Coast Guard

