Company Presentation
## Profile

### History

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>Establishment of Yaltes as JV Export Naval Consoles</td>
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<tr>
<td>2004</td>
<td>IMSS Contract</td>
</tr>
<tr>
<td>2005</td>
<td>Genesis Contract OPCON, CSDN, CSCVN</td>
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<tr>
<td>2007</td>
<td>Milgem CMS &amp; IPMS TACON, SIUC, IPMS</td>
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<tr>
<td>2011</td>
<td>Yaltes becomes 100% Thales</td>
</tr>
<tr>
<td>2013</td>
<td>Moving to Teknopark Istanbul Export Integrated Bridge</td>
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<tr>
<td>2014</td>
<td>Opening of Yaltes Experience</td>
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<tr>
<td>2015</td>
<td>Milgem 3rd and 4th Ship IPMS Local IPMS LHD CMS HW</td>
</tr>
<tr>
<td>2016</td>
<td>Starting Cyber-Security activities</td>
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<tr>
<td>2017</td>
<td>Track 2 CMS Modernization New Type Operator Console</td>
</tr>
<tr>
<td>2018</td>
<td>Preveze (Type 209) Modernization Submarine CMS HW</td>
</tr>
</tbody>
</table>

### Market structure

- **Local**: 80%
- **Export**: 20%

### Employee structure

- **Engineer**: 56%
- **Technician**: 27%
- **Administrative**: 17%

### Shareholders

- **Thales Nederland**: 40%
- **Thales International**: 60%

### Thales

- **Located at Technopark Istanbul**
- **Employees**: 86
- **Annual Turnover**: 10 Million euros
Fields of Operation

- Combat Management Systems – CMS
- Integrated Bridge & Platform Management Systems – IBS & IPMS
- Mission Systems for Small Naval Platforms
- Cyber-Security
Profile – Certificates & Practices

Certificates

- NATO SECRET Facility Security Clearance
- AQAP 2110 NATO Quality Assurance Requirements for Design, Development and Production
- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- OHSAS 18001 Occupational Health and Safety Management

Practices

- Thales Practices according to tailored Chorus 2.0
- IT Structure in line with Thales, intranet, secure VPN available
Capabilities

Capabilities of Yaltes

- Project Management
  - Bid & Project Management
  - Quality Management
  - ILS

- Production & Site Integration

- Engineering
  - System Engineering
  - Hardware Engineering
  - Software Engineering
  - IVVQ

- Customer Support & Services

April 2019
Capabilities – Project Management

Bid & Project Management – Quality Management & ILS

- Team of 12 Managers/Engineers
- Expertise in Local and Export Project Management
- Subcontract Management
- Quality Management & ILS
  - Subcontractor Audits
  - Logistic Support Analysis
  - Documentation
  - Training

Chorus 2.0 processes 5.1BID, 5.2PRJ, 4.1QCI, 4.2DOC
Capabilities – Engineering

System Engineering & IVVQ

➢ Team of 15 Engineers
➢ System Requirements Analysis
➢ Design
➢ Development and Integration,
➢ Qualification and Validation
➢ Environmental Conditions Tests
➢ Acceptance Tests
➢ MIL-STD 490/499, MIL STD 498, IEEE-12207 …..

Chorus 2.0 process 6.1 DDQ
Capabilities – Engineering

HW Design and Development

➢ Team of 10 Engineers for Mechanical and Electrical design
➢ Operator Consoles, Interface Cabinets, Data and Video Networks for Military applications
➢ Crea, Catia & Solid Edge CAD Environment
➢ MIL-STD 810, MIL-STD 461, AQAP 2110, Commercial Standards

Chorus 2.0 process 6.1 DDQ
Capabilities – Engineering

Software Development

- Team of 15 engineers
- Expertise in CMS & IPMS domains
- Applied Development Models
  - Waterfall model
  - V model
  - Prototyping
  - Incremental development
  - Spiral model
  - Unified model
  - Agile / Scrum

Chorus 2.0 process 6.1 DDQ
Capabilities – Production & Site Integration

Production & Site Integration

- Team of 22 Field Engineers / Technicians
- Assembly Workshop
- Test Workshop
- On board/site Integration
  - Supervision to Installation
  - Setting to Work
  - System/Site Integration Test
  - Harbor/Site Acceptance Test
  - Sea Trials
Capabilities – Customer Support & Services

Customer Support & Services

- Maintenance Agreement (PBL)
- Obsolescence Management (MOC)
- Upgrades and Updates (Variant)
- System Overhaul (2093 Sonar)
- Service Desk

Ambition to become Water Front Office of all applicable Thales Units for the country and region
Solutions - CMS

Combat Management System (CMS)

CMS Hardware
- Operator Consoles
- Interface Cabinets
- CS Data Network
- CS Video Network

CMS SW
- HMI
- Integration/Application SW

Supplier for Local Programs and Thales Units
Solutions – CMS Hardware

Combat Management System Hardware

Operator Consoles
Solutions – IPMS

**PIKET3000 Integrated Platform Management System**

- Integrated Solution for non Combat Systems
  - Alarm & Monitoring
  - Propulsion Control
  - Fire Fighting & Damage Control
  - Power Management System
  - Stability
  - CCTV
  - Onboard Training System
  - COTS HW, SCADA
  - In service 2010; Sales record 24

Local development, ready for Thales product portfolio
PIKET 4000 Integrated Bridge System

Integrated Solution for Navigation and Ship’s control

- Navigation Radar (ARPA)
- Navigation Sensors
- (W)ECDIS
- Conning
- Integration with IPMS & CMS
- CCTV
- In service 2010; Sales record 13

Ready for Combat Bridge
**Mission System for Small Naval Platforms**

- Situational Awareness
- Recognition/Classification/Identification
- Data Exchange with Shore station
- SAR support
  - Nav. Radar
  - Nav. Sensors
  - AIS
  - EO Sensor
  - Small Caliber Gun
  - Alarm Monitoring System
- Integration with IBS
Yaltes Experience

Ship Environment with Real Hardware and Software

- Integrated Bridge System
- Combat Management System
- Integrated Platform Management System
Projects

**MILGEM Corvette**

- CMS Hardware
  - Operator Consoles
  - Interface Cabinets
  - CSVN

- CMS Software
  - CMS Integration of:
    - Surveillance Radar
    - Tracking Radar
    - RAM
    - Torpedo

- Integrated Platform Management System - IPMS
Logistic Support Ship

IPMS

- Alarm & Monitoring System
- CCTV
- Weapon Control Console
- Stability Software
Projects

- **RAKAS MUKAS Operator Console**
  - Design Development Qualification
  - Mobile Military Platform

- **HİSAR – O Operator Console**
  - Qualification
  - Design Adaptation
  - Serial Production

- **HERIKKS Operator Console**
  - Design Adaptation
  - Serial Production
Projects

Amphibious Assault Ship (LHD)

> Command, Control, Information & Combat Management System

- Operator Consoles
- Subsystem Interface Cabinets
- CSDN
- CSVN
Projects

AY Class Submarine CMS Modernization

- MÜREN AY CMS HW
  - Operator Consoles
  - Local Firing Panel
  - Other Hardware Units

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Projects

Test and Training Ship - IPMS

- Integrated Platform Management System
  - Alarm & Monitoring
  - FFDC
  - CCTV
  - Fire Detection
  - IBS
  - OBTS
  - Stability

Representative image
Projects

TRACK 2 – Barbaros Class Frigate CMS Modernization

- CMS HW
- STIR Fire Control Radar Integration (cancelled)
Projects

Preveze Class Submarine CMS Modernization

- MÜREN Preveze CMS HW
  - Operator Console
  - Cabinet
  - Local Firing Panel
  - Data Network
  - Video Network
  - Other Hardware Units
References – End Users

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27 Countries