



YEAR BOOK | 2022

HAVELSAN AT A GLANCE



41
Years of Experience

Over
20
Countries

10
Subsidiaries &
Associates

+2500
Employees

More than
650
Business Partners in
Ecosystem

Command Control and Defense Technologies

01

- ▶ Market leader of Türkiye in Command Control Technologies for the last 20 years
- ▶ Integrated indigenous and network enabled Combat Management System (CMS) to more than 50 platforms of the Turkish Navy where the number of platforms with ADVENT Command Control System reached to 24
- ▶ Delivery of the 43rd PDDS (Platform Data Distribution System) for the surface and subsurface platforms
- ▶ Completion of the Mid-life modernization for TCG-Preveze
- ▶ Completion of ADVENT based Tactical Data Link System Müren Akos Project successfully onboard Preveze Class Submarines
- ▶ The localization in hardware and software of SDDs reached to %85 and %100, respectively
- ▶ Safety and secure management of vessel traffic at the Turkish Straits is ensured by HAVELSAN VTS



Command Control and Defense Technologies

02

- ▷ Export leader of Türkiye in Command Control Technologies for the last 16 years
- ▷ Türkiye's first Naval Command Control System export to the Asia Pacific region
- ▷ Combat Management System (CMS)/Ship Data Distribution System (SDDS) export to four countries and new contracts lined up
- ▷ Pakistan's Agosta Class Submarine Modernisation Project: HAVELSAN CMS and HAVELSAN SDDS and all other systems for underwater platforms were integrated into the second submarine
- ▷ Delivery of ADVENT CMS/SDDS and all other systems for the first two platforms of the Pakistan MİLGEM Corvette Project
- ▷ Unmanned Autonomous Surface Vessel SANCAR Project: The contract was signed and preliminary tests began at sea



Command Control and Defense Technologies

03

- ▶ Strategic partnerships towards the export of DOOB (Defence Out Of Box) as the Battle Management System (BMS) for armoured vehicles
- ▶ Successful support services and improvements for the command and control software to meet the most up-to-date operational requirements of Peace Eagle aircraft in Turkish and NATO airspace
- ▶ Fully NATO compliant HAVELSAN solutions' (such as TICCS-Turkish Air Force Integrated Command, Control & Information System, CBRN Mentor, DOOB Headquarters and Tactical Data Link Systems) success in CWIX exercises in means of interoperability with the other member nation's systems
- ▶ HAVELSAN TICCS is at service of the Turkish Air Forces for 17 years
- ▶ Command Control and Information System Solution provider for all operational layers of the Air Forces of allied and friendly countries
- ▶ Technical coordinator of TeamAware Project (EU-funded Horizon 2020, prepared by HAVELSAN and ranked as the first among 90 projects) in cooperation with 24 partners from 13 countries



Simulation, Autonomous and Platform Management Technologies



01

- ▶ Export leader of Türkiye in simulators for more than a decade
- ▶ Member of ETSA and NTSA
- ▶ Training of 550 military pilots from several countries such as Indonesia, Senegal, Colombia, Thailand, Malaysia and so on
- ▶ More than 5500 hours of flight training on HAVELSAN simulation systems to allied countries' military pilots
- ▶ As a critical milestone in the civil aviation domain, B737 Max Simulator was delivered to Turkish Airlines' Flight Training Center in Istanbul for the certification tests
- ▶ Airbus A-320 CEO/NEO Simulator's factory acceptance tests started



Simulation, Autonomous and Platform Management Technologies

02



- ▶ Combined its Hybrid Swarm intelligence capabilities with its years-long experience in Joint Robotics and Autonomous Systems for Digital Troops
- ▶ Delivered Unmanned Air Vehicle System (VTOL) and Unmanned Ground Vehicle System BARKAN to Turkish Armed Forces
- ▶ Launched KAPGAN, Unmanned Heavy Class Ground Vehicle as the new member of the HAVELSAN Digital Troops family
- ▶ Critical role in Turkish National Combat Aircraft Project through HAVELSAN Digital Twin Technologies and cyber security competencies



Simulation, Autonomous and Platform Management Technologies

03



- ▶ Enhanced the capabilities of existing Electronic Warfare Test and Training Ranges (EWTR) all around the world
- ▶ Through strategic partnerships provided in-house wargaming solutions at home and abroad
- ▶ Delivered world class Live Virtual Constructive (LVC) simulation solutions across the globe



Information & Communication Technologies

01

- ▶ Türkiye is the 7th country with its biometric data technology thanks to HAVELSAN Authenticated Fingerprint Identification System (AFIS) identifying 40 million fingerprints in a second
- ▶ HAVELSAN Critical Facility Security protects over 1300 km pipeline and also 29 unmanned, 7 manned and 2 sea terminals with 1300+ sensors, 1000+ cameras
- ▶ Türkiye's biggest Enterprise Resource Planning System Project: HAVELSAN Air Force Information System
- ▶ Critical key partner of "Digital Turkish Lira Cooperation Platform"
- ▶ Contracts on the delivery of HAVELSAN KOVAN, the national ERP system to several institutions including Petroleum Pipeline Corporation (BOTAŞ)



Information & Communication Technologies

02

HAVELSAN's Smart City Solutions help ensure public order and security, protect life and property of individuals, prevent crime, and detect and catch violations and suspects

Through HAVELSAN's platform-independent Artificial Intelligence Supported image processing, video analysis and video management systems, cities gets safer and smarter

HAVELSAN's software based systems designed to receive data from imaging systems to be analyzed, recorded and integrated with the municipalities' systems

▷ For a safe and smart public transportation; passenger density analysis, route optimization, expedition planning, detection of driver's mobile phone, cigarette, seat belt violations, detection of potholes and irregularities on the road, monitoring of municipal inventories are possible

▷ For safe and smart parks and gardens; person density analysis, suspicious person/object tracking, missing child, area violation detections and early intervention in cases such as fire, fight, shooting are possible

▷ For a safe and smart infrastructure and environment; smart lighting and smart irrigation solutions, efficient management of resources are possible through HAVELSAN's AI based, high technology systems



Information & Communication Technologies

03

- ▷ Upgrade of the electronic system for the salary payments of 3,5 million public servants
- ▷ Determination of maturity levels of several public and private institutions with HAVELSAN Cyber Maturity Determination Service
- ▷ Cyber security solutions and consulting services for several companies, critical public and military organisations and projects at home and abroad
- ▷ HAVELSAN DRIVE, HAVELSAN DATA DIODE and HAVELSAN DIYALOG (Secure Video Conferencing System) have been deployed in critical government institutions and military organisations

- ▷ Türkiye's first EAL4+ certified HAVELSAN KALKAN (WAF/LB Product) protected more than 50 networks of various institutions from cyber threats and balanced their network traffic load
- ▷ Türkiye's first EAL4+ and TRtest-certified DLP product HAVELSAN BARIYER with its high performance compete at global scale



R&D

Türkiye's 7th biggest company that spends most on R&D, CAGR of **26%** in R&D expenses

7% of its revenue allocated to equity R&D expenditures

%85 of its activities are R&D qualified

61% of employees involved in R&D activities; CAGR of **10%** in number of R&D personnel

Almost **300** completed/ongoing R&D Center Projects

3 R&D Center,
1 Technopolice office

R&D

Technological cooperations
with ecosystem companies,
universities and R&D centers

Turkish Defense Industry's
first entrepreneur
Acceleration Program:
HAVELSAN AI JETT BIGG

Prestigious National and
International Awards
(successive first prizes in
various categories of
Innovation, Entrepreneurship,
Product Development
Process and Best National
Patent)

Number of patents and
patent applications
reached **58** and **210**,
respectively



Social Responsibility



HAVELSAN Donations to those in need through



- ▶ Istanbul Marathon-Pursue Goodness Step by Step, on behalf of the Association for Fight Against SMA Disease
- ▶ Supporting the purchase of ventilators for SMA patients
- ▶ An aid campaign organised for the Pakistani people who were damaged in the flood
- ▶ The Red Crescent Blood Donation by HAVELSAN volunteer donors
- ▶ Aid campaigns for earthquake victims in Türkiye's relevant provinces



Social Responsibility



“Engineer Child- Engineer Teen” Project

- ▶ Workshops about artificial intelligence and machine learning in the fields of software, informatics, defense and technology for all children and teens under the age of 18
- ▶ Engineer Child Computer Lab was set up at Karaaba Village Primary School in Samsun
- ▶ To build awareness about science and technology among socioeconomically and socioculturally disadvantaged groups
- ▶ To encourage “willing and talented” children to get an education in these fields.
- ▶ To discover inventors and engineers from the primary school years and to support them throughout their education life



Social Responsibility

HAVELSAN stands by Young Talents through

- ▶ “Homecoming of Our Values Program”, three scientists who continue their work abroad returned back to HAVELSAN
- ▶ 72 online/face-to-face career fairs, contacted thousands of students interested in HAVELSAN
- ▶ Hundreds of gifted students are hosted at HAVELSAN facilities and HAVELSAN technology Camps for special courses and training



International Exhibitions

▷ Participated in 25 international exhibitions in 20 different countries to exhibit smart products and advanced technologies to a global audience.

▷ From Malaysia to Qatar, from Indonesia to the UK, from South Africa to Poland, many new contacts, hundreds of meetings, several opportunities, promising contracts and lots of good memories...

▷ Motivated by the great interest to innovate further for the trusted future...





Thank you so much for your support and your encouragement of HAVELSAN in 2022.

We extend to you our wishes for a prosperous, happy and healthy year ahead in 2023.

Together with our customers, business partners, suppliers and qualified human resources we keep coding the trusted future with great confidence and efficiency to create value for all.

Happy New Year

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