

KENOTOM

EMBEDDED
ENGINEERING
EXCELLENCE



Engineering Services provider for Embedded Systems



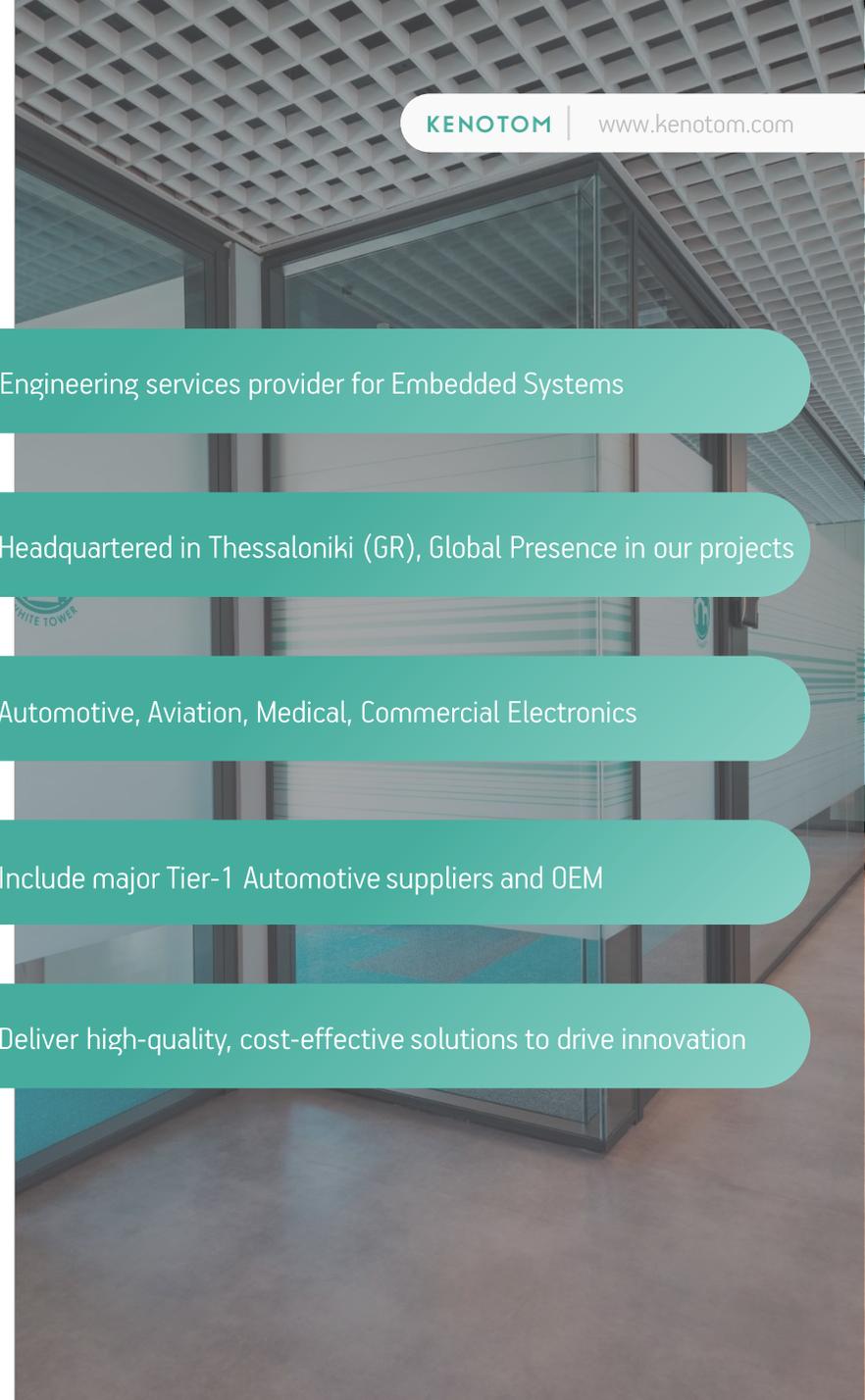
Company Overview

KENOTOM launched in 2014 with a small team of experts and one customer in the automotive industry. The company kept growing constantly, gathering expertise, and soon expanded its activities in the industrial, aviation and medical sectors, employing today almost 170 people. Our customers' satisfaction is the key factor in our constant growth.

We empower our customers through our top technical qualification, flexibility, high availability and sense of responsibility.



- ✓ **Description** | Engineering services provider for Embedded Systems
- ✓ **Location** | Headquartered in Thessaloniki (GR), Global Presence in our projects
- ✓ **Industries** | Automotive, Aviation, Medical, Commercial Electronics
- ✓ **Clients** | Include major Tier-1 Automotive suppliers and OEM
- ✓ **Mission** | Deliver high-quality, cost-effective solutions to drive innovation





Philosophy & Values

TRUST

We consider trust to be the most important factor for a prosperous & effective cooperation. Gaining and maintaining it is our priority!

EVOLUTION

We strive to foresee the upcoming changes in technology and adapt beforehand. Strategy is important in achieving this.

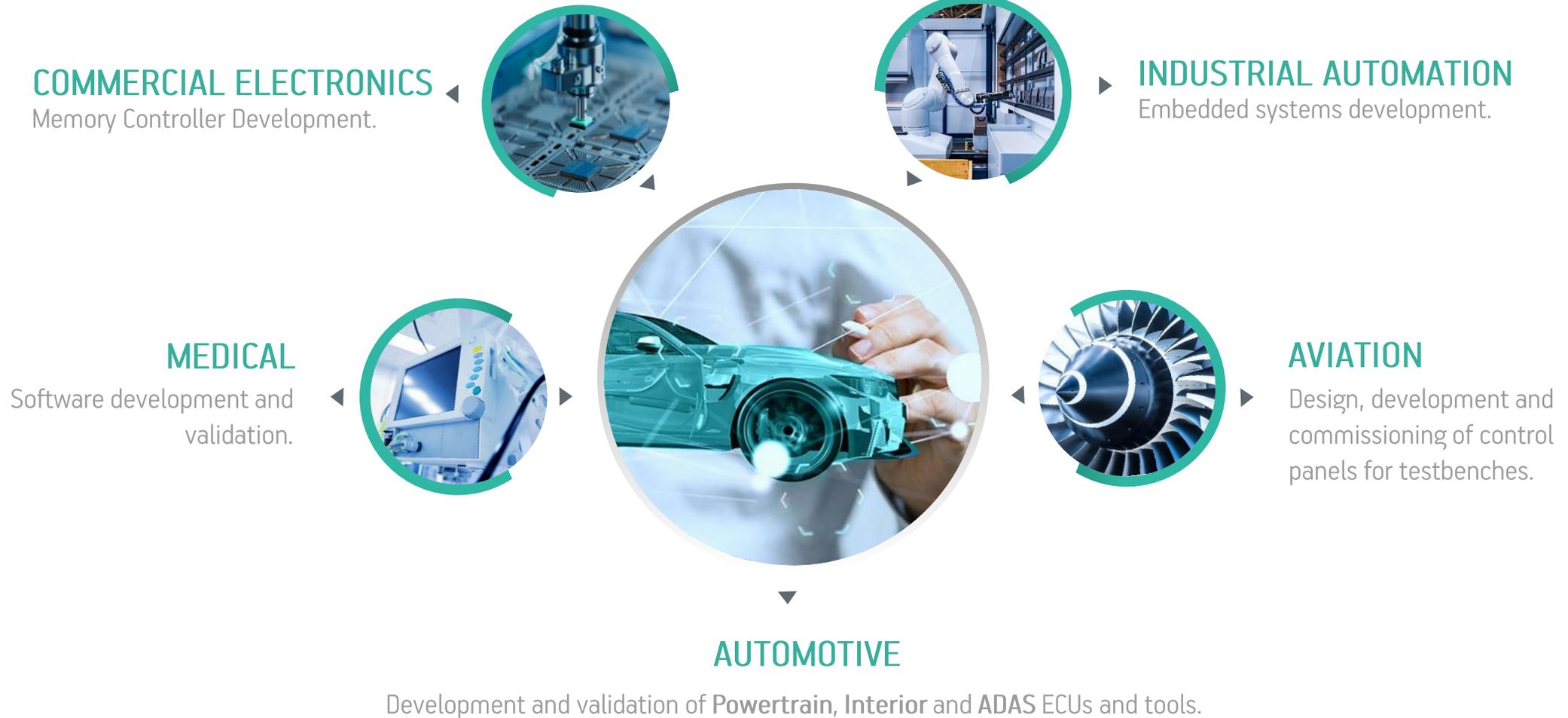
COMMITMENT

We commit to the final goal and fight to achieve the best solution under all circumstances.

TALENT

Talent is the key! We employ only the best and train them to become experts.

Industries Application Areas



Our Strengths

Trusted Partner: "Preferred Supplier" / "Strategic Supplier" by two major Tier 1 suppliers. Official supplier for a leading OEM

Effectiveness: High quality engineering in competitive cost compared to Central European & US providers

Scalability: Rapid project ramp with highly talented personnel. Over 70 engineers for a single customer within one year

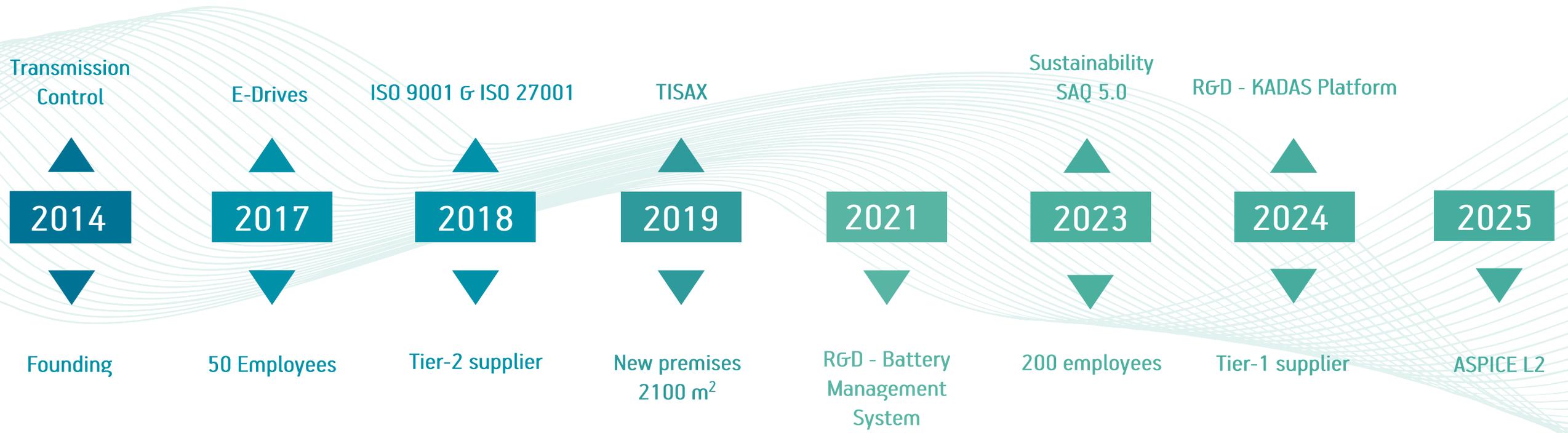
Expert solutions for complex challenges: Infineon Preferred Design House, strong AUTOSAR classic expertise

Strong established processes: Quality, ESG and security standards (such as TISAX), ASPICE, ISO26262 certified

Onboarding : Very efficient due to KENOTOM Academy and supporting culture. Young and motivated team

Company Timeline

The company has been evolving and growing since 2014, with a rapid growth rate reaching 200 employees during the pandemic. This growth is a result of customer satisfaction due to the high quality and expertise of the team, as well as the integration of important industry standards.



Reference Applications



Automatic Transmission Projects

Double clutch / Automated manual / Hydraulic automatic (planetary)
Valve/Clutch/Pump control, Diagnostics, Communication, Thermal management, Sensors, Signal processing, Safety

Motor control / Inverters

E-Motor, PMSM/BLDC, 400V to 800V
Torque/Temperature Estimation, Torque/Speed/Power Monitoring, Operational State Machine, Error Handling



Battery Management Systems

Voltage/Temperature Monitoring, SoC Calculation, SOTA Cell balancing techniques, ASPICE/Automotive grade

DC-DC Fuel Cell Control Units

120V/800V, Communication, Diagnostics, Mode Management, Autosar Core, Cybersecurity



Technical Capabilities



Basic Software Development
AUTOSAR Classic/MISRA/Multicore Architectures/CDDs



Functional Software Development
Model based development, Control & Automation, Diagnostics and Safety, C/C++ & Matlab/Simulink/Targetlink



Hardware/Software/Model -in-the-Loop (HiL/MiL/SiL)
Commissioning and modelling



Testing and Test Automation
Matlab/Simulink, DSpace HiLs



Electronics Engineering
PCB design, Requirements, Simulation, Worst case/FMEA/FMEDA/DFA/FTA Analyses, Safety



System/Software/Safety Requirements, Architecture & Design
SysML, Doors, IMS, Enterprise Architect, FMEA



Automotive Security Solutions
Crypto stack, cryptographic services, key management (PKI), TLS protocol



Internal Development - Reference Applications

ADAS

Development of testing procedures & HiL testing environment for commercial ADAS development platform with focus on Automated Lane Keeping Systems (ALKS).

PROJECT SCOPE

- ✓ Modeling of vehicle and environment using commercial suites
- ✓ Vehicle and environment model development
- ✓ ADAS sensors model & ASW development

TOOLCHAIN

- ✓ NVIDIA DRIVE AGX/DRIVE SDK/Orin
- ✓ dSPACE ModelDesk/AURELION/SCALEXIO

STANDARDS

- ✓ Adaptive AUTOSAR & SOME/IP
- ✓ ASAM OpenX Standards (OpenDrive/OpenScenario/OSI etc.), Open Simulation Interface for sensor model interfacing
- ✓ Following industry standards ISO-11270 / ISO-15622 / ISO-21717 / UN-ECE-R157

BATTERY MANAGEMENT SYSTEM

✓ Requirements

Decomposition/Specification
SYS/HW/SW levels
UML & SysML

✓ Hardware Design & Simulation

Multilayer HW layout
Signal/Power Integrity, EMI/EMC
Simulations on LTspice, Pspice
IEC60664, ISO26262

✓ Embedded SW Development

Basic and application Software
Multicore Architecture
MISRA-C

✓ Testing

HiL/Model based
Test automation
Unit Testing

TOOLING

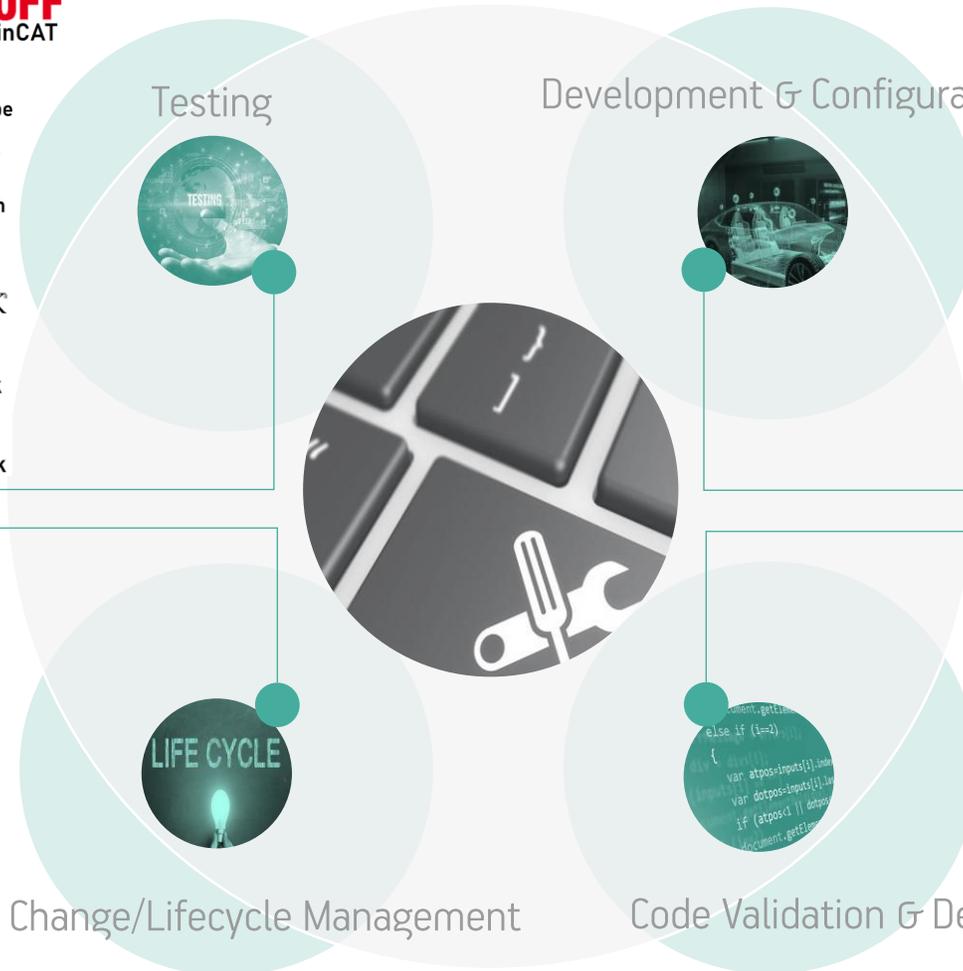
Scalexio HiL
Codebeamer
Enterprise Architect
TESSY
Targetlink
ECU-Test
Lauterbach Debugging

KEY FEATURES

Nominal values 500W/36VDC/10Ah
Automotive grade components
Multi-Cell Monitoring/Passive Balancing
ASPICE Level 2
Fail safe & ISO 26262 compliant



Tooling – Used Tools



ENCO SOX

NATIONAL INSTRUMENTS

BECKHOFF
TwinCAT

DaVinci
VECTOR
CANalyzer
CANoe
CANdela
vFlash
CANape

ECU-TEST

MATLAB SIMULINK

WIRESHARK

AVL
CRETA

SYNECT ConfigurationDesk
dSPACE
ControlDesk AutomationDesk

ControlDesk TargetLink
dSPACE
ConfigurationDesk

LTspice

NXP
532 Design Studio IDE

OrCAD
CADENCE PCB SOLUTIONS

Altium

RA CONSULTING
DiagRA®

BUSMASTER

CMake

MATLAB SIMULINK

VS Code

Elektrobit
TRESOS CORBOS

DaVinci
VECTOR
CANalyzer
CANoe
CANdela
vFlash
CANape

ENTERPRISE ARCHITECT

ETAS
Engineering Tools

Jira

windchill

codebeamer

git

Jenkins

ALTOVA Authentic

afego

IBM DOORS

POLARION

Polyspace
Static Code Analysis

LAUTERBACH
DEVELOPMENT TOOLS

TASKING

GLIWATI

BTC | embedded systems

SEGGER
The Embedded Experts

TESSY

testIDEA

winIDEA

Gerrit
Code Review

SMARTBEAR
Collaborator

googletest
Google C++ Testing Framework

Certifications

ISO/IEC 27001:2013 Information Security Management System

ISO 9001:2015 Quality Management System

VDA-ISA TISAX Scope ID: SRRPCX G Assessment ID: AKRPCX-2

ISTQB Platinum

ASPICE Level 2

Memberships

ASAM Active Member & Contributor

AUTOSAR Associate Partner Membership

INFINEON Preferred Design House + FAE Gold Certifications

AHK Member 2026



Our Facilities

-  2100 m² modern office space
-  Total capacity of >220 People



 **Unified IT Infrastructure** with isolated VPN according to ISO/IEC 27001

 **VDA-ISA TISAX** zones

KENOTOM

Embedded Engineering Excellence

www.kenotom.com



Contact Information

Eth. Antistasis 16 GR-55133, Thessaloniki - Greece

+30 2310 315470

contact@kenotom.com