



COMPANY PROFILE



The TSD business model is based on the manufacture of advanced mobile technology, sold in volume direct to enterprise, education, and government.

The rapid move to mobile devices is unprecedented, known to be the fastest technology adoption in history. TSD offers customized solutions to schools, healthcare, enterprises and governments while creating high quality jobs not only in assembly but in engineering, sales, marketing, operations and management, is a certified Google and Microsoft partner. Mobile devices and applications are now powerful enough to redefine education and business. TSD's product positioning strategy occupies the middle grounds between the premium brands that can be prohibitively expensive to adopt in volumes; and the generic brands that lack performance and quality. In addition to TSD's standard product line, TSD's strong global supply chain channels allows for rapid product customization to cater to the needs of a variety of market segments.

HISTORY



Vahan Chakarian founded TSD Inc in 1998 as an American distribution and development company for highly specialized western (USA & European) forensics technologies with focus on the Far East markets. Today TSD Inc continue to lead and innovate in distribution, sales, training, hardware and software integration, development and localization of western forensics technologies, and is the largest value added distributor of western forensics, security and public safety technologies in the



Far East, with clients that includes names such as: GE Security, Morpho Detection, L3, Access Data Guidance, Logicube, Rapiscan, Allen Vanguard & Integen.

STRATEGIC ALLIANCES AND PARTNERSHIPS

1. Microsoft Preferred Hardware Partner.
2. Google Certified Hardware Partner.



EMBEDDED SOFTWARE

The Embedded Software team at TSD works in a close knit group with our Electrical Engineers and System Architects to design and develop powerful and cost-effective systems and software components. Our services involve development through all phases including concept development, system analysis, design, coding, integration, and documentation. The team is highly experienced with the latest microprocessors, microcontrollers and solutions, and work with real time operating systems from processor specific to industry standard products (Threadx, Micrium uC/OS- II), as well as general purpose OS's (embedded Linux, Microsoft Embedded). Additionally, we have experience in developing communications software for various interfaces such as USB, WiFi, Ethernet, I2C, SPI, RS232, Bluetooth, BLE. Our Embedded Software engineers have a record of success to create solutions that meet your company's needs with integrity, efficiency, and quality.

Software Development

Development of Software components and solutions



Board bring- up and Software platforms

Software for hardware prototypes

Productization and refinement of legacy product software

Drivers and Services for Communications protocols

Enterprise-grade SDK's

API designs

Power Management Software

Software Project Management

Oversight and estimation (agile/traditional methods)

Estimation, Tracking and Reporting

Cross Functional Leadership

Component Based Designs

Communications Protocols

RTOS Configuration and Customization

API and SDK Development

Software Quality and Process Development

Unit, Integration and Validation Testing

USB Compliance Preparation

Defect tracking and resolution

Use of Automated testing and diagnostics

Assessments of Development Processes

Software Process Development and Deployments

Software Architecture Development

Refinement of requirements/Use Cases



Software Design/Analysis (Object oriented/Functional Decomposition)

Failure Mode Analysis of SW designs

Design for testability

Embedded platforms/tools

Timesys Embedded Linux Platform

IAR Embedded Workbench for ARM

MPLAB IDE for PIC

Eclipse IDE

Vinculum II Toolchain

Android SDK

Enterprise Architect (UML 2.0 Analysis)

Languages

C

C++

C#

.NET

Java Assembly