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TECHNOLOGY AND SCIENCE DYNAMICS

COMPANY PROFILE

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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

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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.

With TSD Inc continued success for 20+ years in knowledge transfer, international experience, technology development, technology localization and logistics, Vahan Chakarian in 2013 founded TSD LLC in Armenia with the ambition of leveling the quality of education globally, by making smart mobile devices available around the world. Today TSD is operating in 11 countries with 140+ employees and experiencing growth in demand for the TSD products in the education, mobile devices aviation, energy, military, healthcare, hospitality, retail and transportation sectors.

STRATEGIC ALLIANCES AND PARTNERSHIPS

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

MECHANICAL ENGINEERING

TSD Mechanical Engineering services are offered by a team that is comprised of 25 hardworking and energetic professionals who are driven to satisfy customer needs and possess the agility and "can do" attitude to consistently deliver engineered creative solutions that utilize best practices and exceed product requirements. The ME team excels at communication, exercising this skill effectively both internally and with our customers. Able to work across all functions of the product development cycle or any given part of it, the team adeptly aligns its skills and resources according to customer needs and can apply engineering disciplines within any industry. Combining depth of skill with solid design knowledge and alignment to manufacturing, IPS mechanical engineers balance great attention to detail against an efficient development cycle and are able to perform all aspects of mechanical engineering, and analysis design.



Capabilities

Mechanical Engineering & Design

3D CAD & surface modeling

Technology Assessment

Electronics design & packaging

Optomechanical design

Analysis: stress & strain, thermal

Analysis: tolerance

Fluidics

Hybrid Vehicle Design

Part fabrication: molded & thermoformed parts

Part fabrication: sheet metal, cast, machined, extruded

Cabling and Printed circuit board layout

Large & small assemblies

Mechanism, Robotics & motion design

Vendor Liaison and Supply chain management

Design for Assembly & Manufacturing

Engineering Documentation

Prototyping

Touch display integration

Wireless technology



Kiosk design

Robust handheld device design

FMEA / Root cause analysis

Industries

Telecom

Mobile Devices

Medical

LED Lighting

Commercial use

Consumer use

Food & Beverage

Industrial use

Display & signage

Automotive

Decorating & Building materials

Defense

Tools

Solid works

ProE

Cosmos