

Customers List - Countries:

The Americas: US, Canada, Mexico, Puerto Rico, Honduras, El Salvador, Costa Rica, Brazil, Colombia, Chile, Paraguay, etc.

Europe: England, Scotland, France, Germany, Italy, Denmark, Finland, Norway, Sweden, Netherlands, Spain, Portugal, Russian, Georgia, Lithuania, Czech Republic, Romania, Hungary, Turkey, Greece, Ukraine, etc.

Asia and Pacific: China, Taiwan, Hong Kong, Japan, South Korea, Mongolia, Singapore, Malaysia, Thailand, Vietnam, Indonesia, Philippines, Sri Lanka, Iraq, Israel, Kuwait, Saudi Arabia, India, Pakistan, Bangladesh, Australia, New Zealand, etc.

Africa: South Africa, Egypt, Nigeria, Ivory Coast, Tunisia, etc.

Brief History

- HalTech founded at Fremont, CA in 2004 and relocated to Southern California in 2005
- Commercial products started with air particle counters in late 2007 and business expanded into indoor air quality monitoring instruments
- At Fontana, California since 2011

Facility

Located in Fontana, California, HalTech can perform hardware assembly and testing of sensors and instruments in its 4000 ft² facility equipped with optical and electronic workbenches, test stations, optical and opto-mechanical components, and lasers and detectors for sensing development and chemical testing. The electronics laboratory consists of a printed circuit board (PCB) assembly area and general-purpose electronics work benches. Computer Aided Design (CAD) capabilities include schematic capture, circuit simulation, PCB layout with the latest version Altium Designer and 3D mechanical drawing software packages (SolidWorks). With state-of-the-art optical and electronic test equipment, HalTech achieves a high level of performance, always.

Contact information

Hal Technology, LLC

7970 Cherry Avenue, Suite 303

Fontana, CA 92336-4025 USA

Phone: (855) 438-4258 [GET-HALTECH]

Direct: (909) 908-3161

Fax: (866) 402-9190

Email: info@haltechnologies.com



Hal Technology



Mission

- To be an innovative leader in environmental sensing for both industrial and consumer applications
- To be one of major international players in air quality, water quality, and oil contamination inspection and monitoring sensor and instruments
- Worldwide competency: demonstrate cost advantage, quality and innovation.

Supporting Principles

Hal Technology (HalTech) committed to providing innovative solutions to improve the environment where we live. HalTech has leveraged its superior engineering design team and its worldwide distribution and supporting teams to provide its customers with products of leading edge technology and superior value. Our products are always customer focused and designed for simple use while maintaining high quality, performance and functionality.

Core Competencies Technology

HalTech is specialized in developing environmental (air and liquid) monitoring sensors and instruments for local and stand-off (remote) detection. The HalTech development team possesses comprehensive knowledge of developing optical sensors and signal analyzers that fully utilize its capabilities in optical engineering, mechanical engineering, fluid dynamics, digital signal processing and system engineering. Hal Technology has demonstrated an excellent track record of quickly adopting advanced technologies, advancing those technologies when necessary, and addressing emergent market needs.

Representative R&D Projects

Compact, Dual-Use, in-situ/Remote Coherent Lidar System for Real Time Measurement of Aerosol Emissions

This Phase II SBIR project under support of US Air Force involves the development of an innovative, compact, hand portable remote plume particulate matter (RPPM) meter, not available to date, for assessing visible emissions that will provide real-time data and documentation to support the regulatory compliance needs of Federal and State inspectors in a cost effective manner.

Operational Engine-Inducted Sand and Dust Loading Rate Sensor

This Phase II SBIR project under support of the US Navy involves the design and development of an optical sensor for monitoring sand and dust loading on operational aero-engines. HalTech will expand its unique optical particle sensor design to include higher dynamic range and chemical identification to achieve the performance requirements of this contract.

Production

HalTech is focused on commercialization and always delivers a product once we started development. We have produced products covering gas, air and liquid (both water and oils) applications. All of our products are designed and manufactured in the US and CE-certified.

Service

HalTech also offers a complete package of calibration, service, repair, training and consultation services.

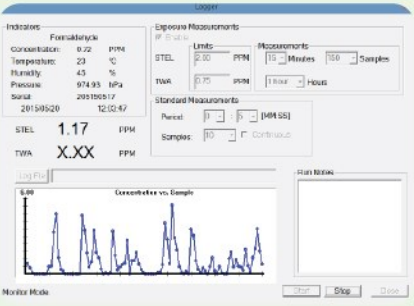
Core Advantage

Sustainable competitive advantage

HalTech keeps its products up-to-date and provides services for calibration and repair. We focus on providing high quality instruments with the best cost-to-benefit ratio. Our design team has 75 years of combined experience in optical, mechanical, and electronics design. Individual team members have advanced degrees in their respective disciplines.

Value proposition

HalTech offers innovative environmental sensing solutions for industrial, military, and residential clients. Feature-rich and intuitive interfaces allow customers to monitor environmental conditions in real time. We offer prompt and thorough customer support and services.



Product Range

Hal Technology has developed various particle sensing technologies and instruments (both air and liquid), gas sensors and instruments, and stand-off (remote) detection (lidar). Our particle and environmental monitoring instruments allow us to reach a broad range of customers. HalTech is also an important player in developing economic chemical sensors and instruments. We are specialized in handheld chemical detectors and instruments and provide affordable solutions for customers and users. These handheld meters typically cost a few hundred dollars.

Examples of application areas

Our optical particle sensors/instruments and gas meters have proven to be an effective tool to monitor particle and gas contamination in clean environments/facilities, working environment or indoor air quality (IAQ), the liquid monitoring market, remote monitoring sensors/systems, pharmaceutical, aerospace, and industrial hygiene. Application areas: Semiconductor cleanrooms, pharmaceutical and medical devices clean facilities, hospitals, EPA indoor air quality (IAQ), PM2.5/PM10, atmospheric, automobile emission.

Markets/Customers

Our customers are all over the world and reach all continents include well-known institutions and companies such as

Customer List - Government

CARB (California Air Resource Board), National Research Council Canada, NASA's National Laboratories (Ames, JPL, Goddard, etc.), DOE's national laboratories (Lawrence Livermore, Brookhaven, Oakridge, Sandia), Navy, Army, Air Force, Federal and State agencies, etc.

Customer List - Private

Boeing, Samsung, Google, Exxon Mobile, Coca Cola, Google, DuPont, Parkers, Corning, Pfizer, Harley-Davidson, IMAX, Smiths Detection, Harvard, MIT, Columbia, Caltech, many other institutions and companies.