Providing insight and information to help our customers reduce waste and inefficiency in their most resource-intensive processes

LumaSense Technologies, Inc. was founded in 2005 as the world’s first company to focus exclusively on reducing inherent inefficiency and preventable waste across our planet’s most resource-intensive global industries. LumaSense delivers advanced sensing technology to detect, reduce, and prevent inefficiency and waste in resource-intensive industries including Global Energy, Industrial Materials, and Advanced Technologies.

LumaSense enables customers worldwide to achieve predictable, verifiable and sustainable improvements in process efficiency and waste reduction. These customers have processes that include generating and transmitting electricity; oil and gas refining; processing industrial materials; and manufacturing advanced technologies such as semiconductor, wafers, and LEDs. LumaSense gives our customers a competitive edge by awakening their 6th sense.

PRIMARY INVESTORS
Oak Investment Partners and Element Partners

HEADQUARTERS
Santa Clara, California, United States

WORLDWIDE REACH
Global and Regional centers in Silicon Valley, Germany, Denmark, France, Netherlands, England, India, China, and Brazil.
Representatives in more than 46 countries.
Customers in more than 85 countries.
WORLDWIDE IMPACT

Global Markets and World-Class Customers

LumaSense applies our broad expertise across vast, global industries – to deliver world-class solutions for inherent problems that plague these essential industries. LumaSense solutions can help recapture as much as $10 billion otherwise lost each year to the bottom lines of our planet’s most resource-intensive markets.

LumaSense LS™ Systems are tailored specifically for resource-intensive industries and do not require a costly overhaul of a company’s plants, systems, processes, or infrastructures.

LS™ Systems enable the customer to accurately predict and realize progressive, sustainable performance improvements in the efficiency of existing generation, processing, and fabrication processes.

Global Energy

LumaSense Global Energy customers include the world’s leading power producers and energy transmitters such as electrical utilities as well as oil/gas refineries.

Industrial Materials

LumaSense Industrial Materials customers include the world’s leading manufacturers of glass, metals, and plastics.

Advanced Technologies

LumaSense Advanced Technologies customers include the world’s leading semiconductor, solar, and LED/MOCVD equipment manufacturers.

INDUSTRY LEADERS WORLDWIDE

Southern Company
China State Grid
Pacific Gas & Electric
MSETCL India
National Grid UK
ABB
PGCIL India
ThyssenKrupp
Arcelor Mittal
Hindustan National Glass Corning
St. Gobain
Pilkington
Nucor
Tokyo Electron
Aixtron
Samsung
Lam Research
ALD
GT Advanced Technologies
PVA Tepla
LS6™ PROGRESSIVE PERFORMANCE SENSING SYSTEMS
Predictable Efficiency for Resource-Intensive Processes and Infrastructures

LumaSense LS⁶ Systems equip existing and greenfield power generating and transmission facilities, materials manufacturing plants, and advanced fabrication labs with “predictable efficiency” across three distinct and verifiable levels to:

- Detect the performance of processes and infrastructure
- Reduce inherent waste and inefficiency
- Prevent unwarranted waste and inefficiency

LS⁶ Systems empower our global customers with essential, albeit commonly overlooked, foresight – what our clients often term, a fervently needed and formerly missing “sixth sense.” Our intensively deployed LS⁶ Systems are implemented using our proven 6th Sense Methodology and validated via our purpose-driven Predictable Efficiency Index – in collaboration with each LumaSense customer. LumaSense empowers our customers to Detect, Reduce, and Prevent the inherent inefficiency and unwarranted waste of energy, materials, and human capital.

LS⁶ Sensing Systems

LumaSense LS⁶ Systems empower our customers to realize immediate, verifiable, and sustainable savings from efficiency gains and waste reduction that go directly to the bottom line. Typical efficiency gains range from a minimum of 1% and up to 4% – even well beyond – opening the door to billions of dollars of savings in readily preventable expenses for our customers in the Global Energy, Industrial Materials, and Advanced Technologies markets.

LS⁶ Systems span thermal imaging, pyrometry, fiber-optic temperature sensors, non-dispersive infrared and photoacoustic spectroscopy, gas-sensing modules, and a range of purpose-built sensors. These LS⁶ Systems are developed, optimized, and tuned for the specific requirements of resource-intensive global industries. All of these sensors are integrated into a feature-rich and customizable software solution to optimize the insight these sensors can provide and to allow for integration into controls and automation of processes.

PREDICTABLE EFFICIENCY

Detect

PE Index Level 1
Detect and Deploy Best Practice Technology

Reduce

PE Index Level 2
Reduce Waste Using Proven Best Available Technology

Prevent

PE Index Level 3
Prevent Ongoing Inefficiencies by Harnessing World Class Technology
CORPORATE HISTORY

1958
Impac™ is founded to build state-of-the-art infrared pyrometers for non-contact temperature measurement.

1969
Founding of Andros®, specializing in gas analyzers, and Mikron®, a pioneer in infrared pyrometers that later became the leader in thermal imaging and blackbodies.

1978
Luxtron® is founded by pioneering new Fluoroptic® technology.
Innova™ formed with innovative high performance gas sensing technology.

2005
LumaSense is founded and acquires Luxtron®.

2006
LumaSense acquires Innova™.
2007
LumaSense acquires Andros®, Mikron®, and Impac™.

2010
LumaSense acquires Opsens Energy division and InfraredVision Technology Corporation (ITC).

2011
LumaSense acquires Reliability Point for Service Offerings.
Demonstrating continued growth, LumaSense unveils new product offerings in every single category of the product portfolio.

2012
LS® Systems extensively deployed by more than 5,000 customers globally in vast, resource-intensive industries.
First LS® SmartDGA™ System for energy generation, transmission, and distribution.