

OVERVIEW

Stellant Systems, Inc. (formerly L3 Harris Electron Devices) is a premier manufacturer of critical spectrum RF/Microwave high-power spectrum RF/Microwave high-power amplification products to the space, defense, medical, science, and industrial markets for both domestic and international customers.

- Approximately 950 employees
- 4 manufacturing facilities — ISO9001:2015 AS9100:2016, DCMA Certified
- The ONLY Vertically Integrated Space TWTA supplier in the world
- The ONLY Manufacturer of Space-qualified TWTs in the USA

HERITAGE

Our business started as Charles Litton's Engineering Laboratories in 1932 and Howard Hughes' Electron Tube Laboratory in 1959. Along the way, there have been multiple acquisitions and consolidation of divisions that operated under target organizations such as Sylvania, Loral, Hughes, Sperry, GE, RCA, Raytheon, L3Harris and COMTECH. *This heritage is preserved and continues today as Stellant Systems.*

FACILITIES



Torrance, CA (Headquarters)

3100 Lomita Blvd.
Torrance CA 90505
T: 310-517-6000
460,000 sq. ft.
ISO 9001:2015 & AS9100:2016



Williamsport, PA

1035 Westminster Dr.
Williamsport, PA 17701
T: 570-326-3561
210,000 sq. ft.
ISO 9001:2015 & AS9100:2022



Power Systems Technology

105 Baylis Road
Melville, NY 11747
T: 631-777-8900
46,000 sq. ft.
ISO 9001:2015 & AS9100:2016

417 Boston Street
Topsfield, MA 01983
T: 978-887-5754
8,000 sq. ft.
ISO 9001:2015

MARKETS & APPLICATIONS

SPACE

- Satellite Communications
- Propulsion Systems

DEFENSE

- Electronic Attack/Warfare Support/Protection (EA/EWS/EP)
- Secured Communications
- Missile Defense
- Threat Simulators
- Unmanned Aerial Systems

MEDICAL & SCIENTIFIC

- Research & Development
- Body Screening
- Radiotherapy
- Stereotactic/Cancer Surgery
- Laser Dermatology/Skin Surgery
- Refractive Eye Surgery
- Biomass Sterilization
- PPE Sterilization
- LINAC Applications

INDUSTRIAL | LINAC

- Cooking/Tempering/Drying
- Plasma Reactor, Sintering
- Diamond/Materials Processing
- Water Purification, Sterilization
- Broadcasting (TV Stations)
- Cargo Screening, Ship/Eng. Ign.
- Laser Machining, Weather Radar
- Green Energy/Decarbonization
- MW Accelerator, Catalyst Processes

SPACE

- Traveling Wave Tubes (TWTs)
- Electronic Power Conditioners (EPCs)
- Traveling Wave Tube Amplifiers (TWTAs)
- Solid State Power Amplifiers (SSPAs)
- Space Microwave Power Module (MPM)
- XENON Ion Propulsion Systems (XIPS)
- RF Components: Filters, Multiplexers



Traveling-Wave Tube/ Amplifiers



RF Components | Active & Passive



Propulsion System XIPS®



nanoMPM®

DEFENSE — DIRECTED ENERGY

- Traveling Wave Tubes (TWTs)
- Microwave Power Modules (MPMs)
- Klystrons
- Cross-Field Amplifiers
- RF Components: Active & Passive
- Solid State Power Amplifiers (SSPAs) & Control Components



Traveling—Wave Tubes



Microwave Power Modules



Klystrons



Cross-Field Amplifiers



SSPAs & Control Components

MEDICAL & SCIENTIFIC | INDUSTRIAL | LINAC

- Klystrons
- Thyratrons
- Magnetrons
- Inductive Output Tubes (IOT)
- Electronic Emitters (E-Guns)
- Solid State Power Amplifiers (SSPAs) & Control Components



Klystrons



Thyratrons



Magnetrons



Inductive Output Tubes (IOTs)



SSPAs & Control Components



Electron-Guns