



FACT SHEET

Night Vision

What We Do

- ITT Night Vision, based in Roanoke, Va., is the world's leading developer, producer and supplier of Generation (Gen) 3 image intensifier technology for U.S. and allied military forces, as well as homeland security.
- Image intensification amplifies the small amount of light (such as moonlight or starlight) to produce a clear, green night vision image. To learn more about how night vision works, visit www.nightvision.com.

Primary Markets

- **U.S. Military** – Committed to serving the needs of our nation's protectors, ITT works hand-in-hand with the government to improve existing technology and develop the technology of the future. As the leading manufacturer of night vision systems for the U.S. military, ITT produces more Generation 3 night vision devices than all of its worldwide competitors combined.
- **International U.S. Allies** – ITT serves many allies—including the U.K., Canada, Japan and Australia—to ensure they are prepared to support our U.S. troops worldwide in the Global War on Terrorism.
- **Homeland Security** – Because the front line runs through their backyards, ITT provides federal, state and local law enforcement professionals with Generation 3 technology, and no-cost grant assistance. Our Night Enforcer® NE PVS-14 product is now equipped with our Pinnacle® thin-filmed tube and a gated power supply to allow seamless, continuous operation in low-light to high-light conditions.

Primary Applications

Whether on the ground, in the air or on the water, ITT's night vision devices help our nation's protectors perform their critical missions, such as the following:

- Patrolling
- Critical infrastructure protection
- Surveillance
- Building entry
- Port and border security
- Search and rescue
- Officer and warfighter safety
- Aviation

Product Background

- Image intensifier technology, which is used to produce night vision equipment, is extremely complex. More than 400 individual process steps are required to produce the image intensifier tube – the heart of every night vision device. Only two manufacturers worldwide produce Gen 3 image intensifier tube technology, the most advanced technology available in the industry. The complexity of this tube technology renders it virtually impossible to “reverse engineer.”
- The performance of the tube, coupled with combat-proven housing and high-quality optics, make ITT the world's premier night vision supplier.
- The Enhanced Night Vision Goggle (ENVG), provided solely by ITT, is the first goggle to optically overlay image intensification (I²) with infrared (IR) imagery to provide a greater advantage to the nation's protectors. The U.S. Army began fielding the ENVG in early 2008.

Employees & Facilities

- ITT Night Vision employs approximately 1,800 employees with more than 1,400 team members located in Roanoke.

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- ITT Night Vision has approximately 430,000 square feet of floor space between its two locations: Roanoke headquarters; Springfield, Mass., Power Solutions manufacturing operation.
- President & General Manager (since March 2006): Mike Hayman

History

- ITT's Roanoke, Va., plant was built in 1958 to manufacture components for military avionics systems as well as radar. The plant began with 54 employees.
- Night vision production came to the Roanoke plant in 1962 when image intensification technology was transferred from ITT in Fort Wayne, Ind.
- In 1973, Roanoke became the headquarters for a new operating division formed by ITT Corporation—ITT Electro-Optical Products Division (EOPD). And, a new lab opened at ITT EOPD—the Fiber Optics Laboratory, aimed at developing optical fibers. Dr. Charles Kao (“the father of fiber optics”) supervised the fiber optic product development in Roanoke.
- In 1986, ITT Corporation sold its telecommunications business to Alcatel, which ended fiber optic production at EOPD.
- In 1995, ITT Corporation dismantled to form three separate publicly-owned companies—ITT Hartford (the insurance business of ITT); ITT Industries, Inc. (the automotive, defense and electronics, and fluid technology business); and ITT Corporation (ITT Sheraton Corporation and other interests).
 - In December 1995, the Roanoke division's name was changed from ITT Electro-Optical Products Division to ITT Night Vision (ITT NV).
- In 2005, ITT NV announced a capacity expansion of up to \$51.8 million, which would bring at least 250 new jobs. Existing space was renovated to increase production space. Plus, a new 19,000-square-foot building was added for increased administration and production space.
- On July 1, 2006, the shareholders of ITT voted to officially change the company's name from ITT Industries Inc. to ITT Corporation.
- In 2007, ITT NV manufactures and delivers its one millionth Generation 3 tube.

About ITT:

ITT Night Vision is part of ITT Defense—a team of more than 20,000 people working around the world with one mission—to provide government and commercial customers with superior solutions for communications, sensing and surveillance, space and advanced engineering and integrated services.

ITT Defense is part of ITT Corporation, a global \$9 billion company of more than 40,000 people making advanced Defense, Fluid Technology (fluid and water treatment) and other industrial products and services that are “Engineered for life.” To learn more, visit www.itt.com.

For More Information:

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