



JACKSON COUNTY BOARD OF COUNTY COMMISSIONERS

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PRESS RELEASE FOR IMMEDIATE RELEASE

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Pulse Industries to Build First Mass-Production Facility for Industrial Linear Accelerators

MARIANNA, FL – Pulse Industries will establish a 278,000-square-foot **advanced manufacturing facility** at the Marianna Airport Industrial Park, marking a transformative milestone in the **mass production of linear accelerator** systems. This initiative will create hundreds of skilled jobs and profoundly expand the accessibility of **electron beam** technology for diverse global industries.

Revolutionizing Industrial Linear Accelerator Manufacturing

This new facility is the first fully integrated operation designed for the development, **rapid mass production**, and deployment of industrial linear accelerators, representing a groundbreaking shift from small-batch methods to commercial-scale manufacturing. **Similar to the Ford Model T's revolutionary approach**, Pulse's transition to mass production will dramatically increase the availability of electron beam technology while enhancing product standardization, efficiency, consistency, and **economies of scale**.

Leadership Vision

"This facility is unprecedented in both scope and ambition," said **Dr. Eric Burgett**, President and CTO of Pulse Industries and a pioneer in nuclear engineering. "By establishing the **world's first vertically integrated mass production capability for industrial linear accelerators**, we are not just creating a factory—we are creating a new industrial category. This technology will become **accessible at a scale once considered impossible**, while driving the creation of hundreds of advanced manufacturing jobs and strengthening America's position in this critical industry."

Advanced Manufacturing and Technology Demonstration

The facility will feature **advanced automation** and **precision manufacturing** systems for the design and mass production of electron beam systems deployed across multiple industries. It will include **demonstration and certification capabilities**—such as treatment cells for **medical device sterilization**, **food safety** applications, a 6,000-barrel-per-day electron cold cracking system for **petroleum upgrading**, and **water treatment** systems capable of destroying **'forever' chemicals**. These on-site resources will ensure **rapid certification and deployment** of mass-produced systems while demonstrating their environmental and sustainability advantages over traditional chemical treatment processes.

Economic Impact and Regional Development

"This facility makes Jackson County the global epicenter for linear accelerator innovation and mass production," said **Darwin Gilmore**, President and CEO of the Jackson County Economic Development Committee. "Its scale will establish our region as a hub for advanced manufacturing while creating sustainable, high paying jobs in one of the world's most innovative industries."

Workforce Development and Training

The comprehensive workforce development program will establish new career pathways in **advanced manufacturing, nuclear engineering, and sustainable technology** operations. Employees will gain specialized skills in **linear accelerator** design, **engineering**, assembly, **precision manufacturing**, and system integration, supporting the rise of a skilled workforce in this emerging industry.

Sustainable Operations

Powered in part by **behind-the-meter solar** energy, the facility will align large-scale manufacturing with environmental responsibility. Initial operations will commence in mid-2025, ushering in a new era of industrial technology manufacturing.

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Mission Statement

Through advanced technology, mass production, and strategic joint ventures, **Pulse is on a mission to transform how humanity powers, heals, and preserves civilization.**

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