



Energy &
Innovation
Park, New Britain



Project Overview - Video

Project Flythrough

https://www.youtube.com/watch?v=rrnMn80A_S0

Unique Project Opportunities

Transformation of the Economy of New Britain

- Clean Energy Generation to Grid creating fuel cell manufacturing jobs and economic development opportunities
 - Scale-able from 20MW fuel cell project to 64MW of renewables and district heating
- High Performance Computing and Data Center build-out to create high technology *Innovation Corridor* for bioscience, aerospace, insurance, health and municipal use.
 - New Britain transformation to The New Hardware City
 - Increase IT retention in the region and the State
- Local Micro-grid to create greater grid reliability and lower energy costs to small business.
 - Adjacent critical facilities
- 100 Gig Innovation Corridor
 - Leverage existing \$150M CEN network increasing economic development

Project Opportunity – Site Plan



No Combustion Means Simplicity. Simplicity Means Clean Reliable Operation.

Fuel cells generate electricity and heat through an electrochemical process with no combustion or moving parts. This simplicity of operation yields high-efficiency, ultra-low emissions and exceptional reliability.

The scalable Doosan PureCell[®] Model 400 operates on natural gas, generating 440 kW of clean electricity and 1.7 million BTU/hour of useable heat. From single fuel cell applications for commercial buildings, to multi-fuel cell installations for data centers, industrial facilities, and microgrids, Doosan technical experts collaborate with clients and partners to produce efficient energy solutions.

Doosan Fuel Cell engineers, manufactures and tests each PureCell[®] System at its headquarters in Connecticut to ensure the utmost quality. The result is a remarkable 98% operational up-time and an unmatched fuel cell stack life of 10 years. Collectively, this means facilities can run cleaner, more efficiently and more reliably with Doosan Fuel Cells than with nearly any other energy alternatives.



Anticipated Economic Benefits

- ***Provides critical first step in larger economic development project and vision***
- \$100,000,000+ Private Sector Investment.
- Reuse of underutilized industrial property empty for more than 20 years.
- Hundreds of construction and fuel cell manufacturing jobs.
- Hundreds of permanent high tech jobs in an Enterprise Zone.
- Leverage existing assets to generate real regional and internationally competitive advantage for further Self Sustaining IT Ecosystem and Innovation Cluster Development – anchor for ***Innovation Place***.
- Help retain Stanley Black and Decker existing manufacturing jobs and remain strongly vested in New Britain.
- Generate new local property and state income tax revenues.
- Project will provide a valuable connection to the data center resources for Connecticut's colleges and universities, state and local government and other institutions required to secure their data by law or corporate need.

Energy Project Take - Aways

- Energy based economic development
 - Energy Policy driving Economic Development
 - SB-1 alignment
 - Benefits stay in CT – Jobs and Capital
- No direct state funding required
 - Creating own incentive w/low cost reliable power
 - Energy policy drives economic development and innovation
- Replicable
 - State is being left behind w/respect to IT and Innovation
 - End goal of project is critical to retaining & attracting businesses to CT