



CETC

CLEAN ENERGY
TECHNOLOGY
CENTRE



The future of our children,
the future of our planet; it's
in our hands and that's why
clean energy matters."

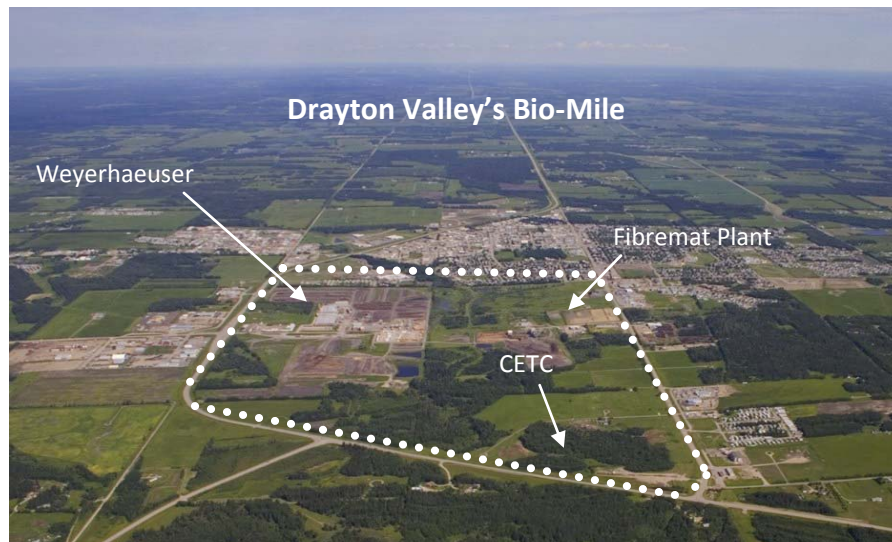
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Where We Started



The closure of the Orientated Strand Board (OSB) Plant in 2008 had a devastating affect on our town in terms of jobs, tax revenue and economic losses as a whole. The Town took a bold step in looking for other opportunities in diversification and the Bio-Mile® was born.

The Bio-Mile intends to provide an integrated bio-industrial park specializing in the conversion and refining of biomass into bio-products including bio-chemicals, bio-fuels and bio-pharma along with bio-energy. The Bio-Mile will provide for integrated bio-based industries to create zero waste by using one's waste to become another's feedstock. To date a Softwood Lumber Mill, a Bio Composites Fibremat Plant, and the Clean Energy Technology Centre (CETC) all exist within approximately one square mile and thus got the name the Bio-Mile.



Working together, Town Council and the Government of Alberta had the foresight to see how this location and our local assets would create a key hub for developing clean and renewable energy solutions.

The CETC offers a full spectrum of advantages to clean energy researchers, entrepreneurs and innovators: location; ready access to feedstock; transportation networks; academic partnerships in Alberta and Europe; and a supportive community.

What We Are Doing

Drayton Valley has relied on three main industries: oil and gas, agriculture, and forestry to build a prosperous and sustainable community. These three industries will always play a key role in the social and economic fabric of our town. Now, Drayton Valley is looking to the Bio-Mile for diversification and innovation to continue building on our existing strengths. The CETC will be a hub to support diversification by providing services to education and training; business incubation and development; research and development activities; and applied research to commercialization.

Our mandate is to meet the needs of specializing in clean and renewable energy of existing and new emerging industries.

“Status quo is not an option, mediocre is not a norm. Excellence is.”

- Unknown



What Our Future Holds



“We can not solve our problems with the same thinking we used to make them.”

-Albert Einstein

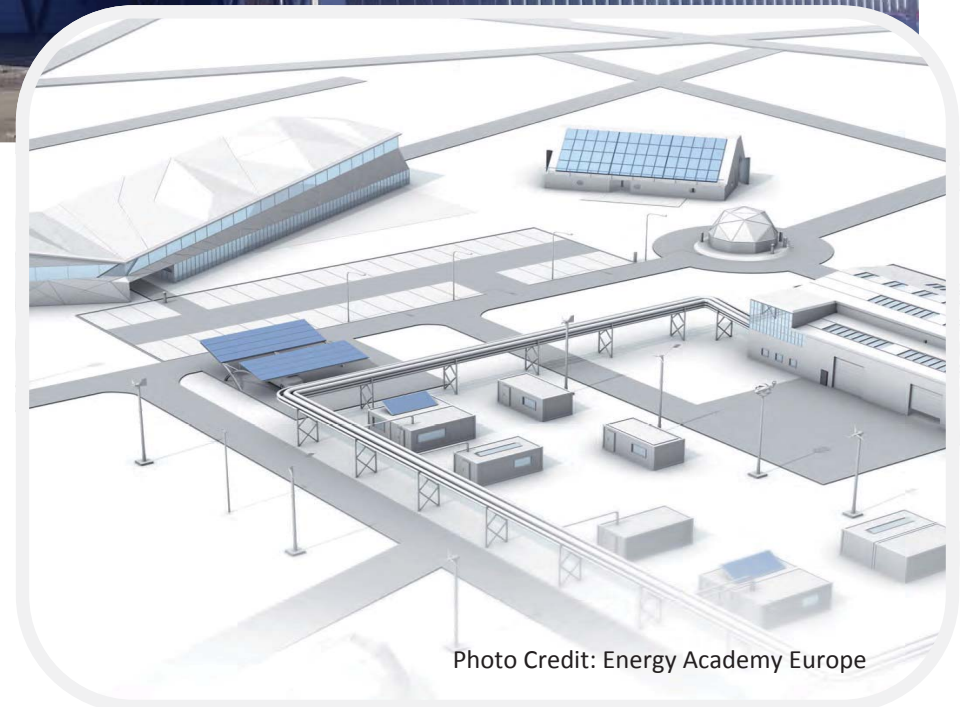
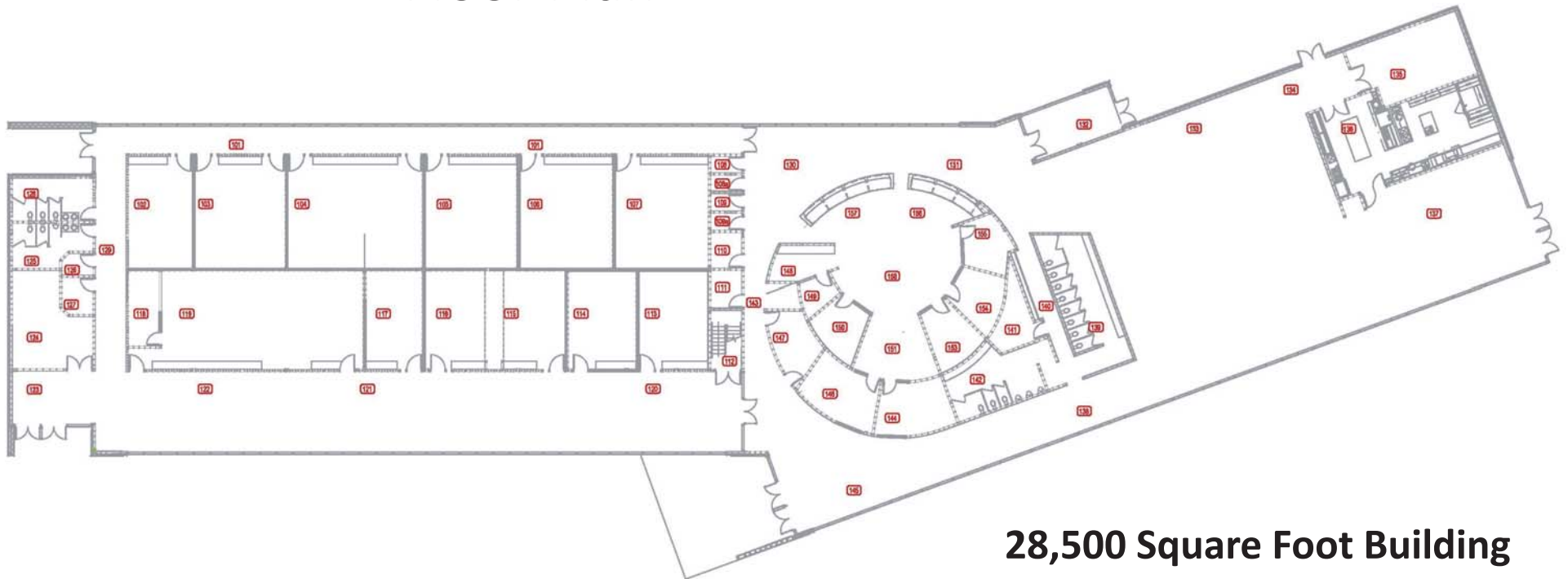


Photo Credit: Energy Academy Europe

Clean Energy Technology Centre

Floor Plan



28,500 Square Foot Building

102, 103, 106, 107, 114, 115/116—Classrooms
104/105—Computer Labs
113—Drayton Valley & District Community Learning Association
119—Lab
132—Entrance
133—Event Space
136—Commercial Kitchen
147—Drayton Valley Hospitality and Tourism Authority
158—Administrative Offices



"The Clean Energy Technology Centre will act as a key anchor for the successful development of the Bio-Mile. The growth will be consistently maintained as the Bio-Mile grows from infancy into a large economic hub. The Centre will provide a fertile environment for the proliferation of shared research, synergistic interactions and new opportunities."

-Manny Deol
Chief Operating Officer
Clean Energy Technology Centre

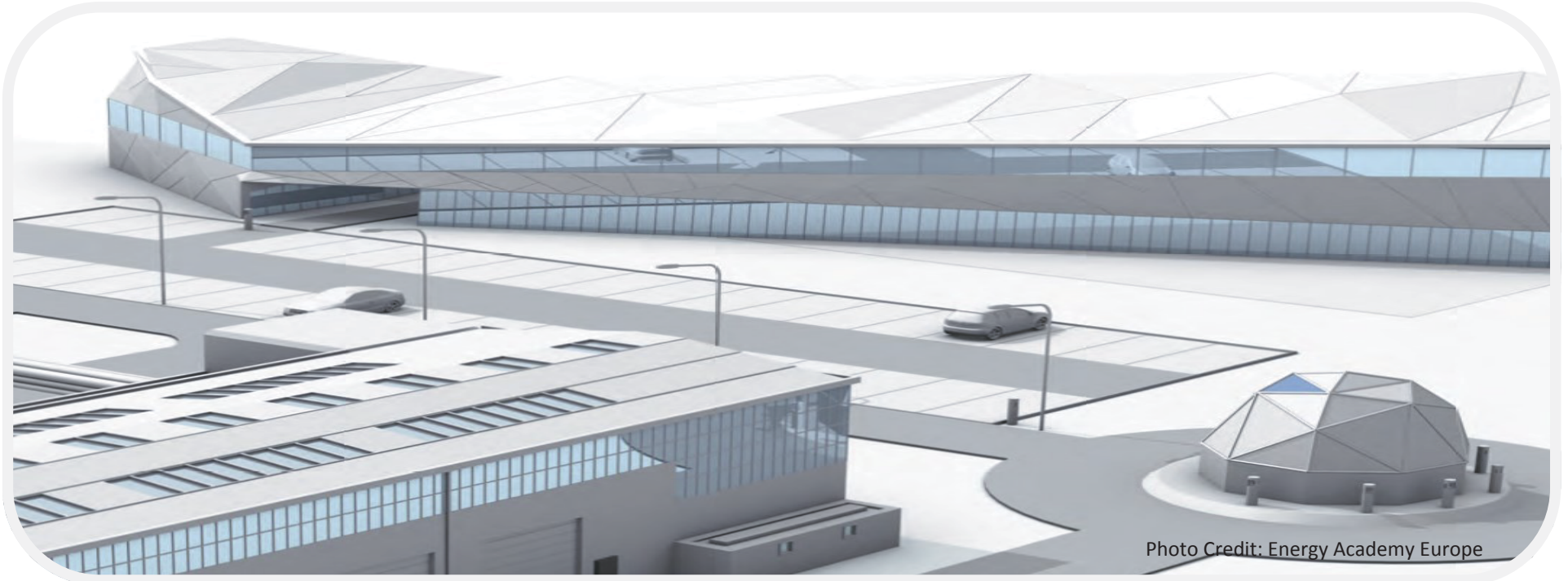


Photo Credit: Energy Academy Europe

Education and Training

The Town of Drayton Valley created a Joint Venture Partnership with NorQuest College to ensure the education and training needs in our community are met. Training and development is a pre-condition to the economic growth and sustainability of our community. By acting as a concierge, the CETC will be the catalyst in creating and delivering programming to meet the increasing demand for a highly-skilled and educated labour force.

The Centre will:

- * Anticipate and facilitate new program development based on the needs of industry.
- * Work with the community to establish the want and need for engaging in education.
- * Deliver a labour force with skills and education that match industry demand now and in our future.
- * Connect with other institutions, locally and internationally.
- * Provide needs based education and skills training for First Nations communities.
- * Educate in clean and renewable energy programs.
- * Offer scholarships, conferences and workshops easily accessible to our community and surrounding areas.



“Education is the most powerful weapon we can use to change the world.”

-Nelson Mandela

Business Development and Commercialization Support



The Clean Energy Technology Centre will act as a meeting point for businesses, educational institutions and government agencies conducting research in clean and green technologies. The Centre will serve as a business incubator for new companies as well as existing industry looking to diversify. Through the CETC, these groups will have access to resources needed to advance in their development.

The goals of Business Incubation will be to:

- * Lead projects on solar power plants in both manufacturing and education.
- * Assist local and out of town businesses in financing, regulations, framework, marketing, engineering and commercializing.
- * Communicate with related associations & government agencies.
- * Connect with innovations both locally and internationally.
- * Provide assistance connecting to funding voucher program.
- * Bring together resources for networking, technology research, innovation lab and research park.
- * Assist with sourcing and submitting applications for grant funding programs. Work with financial institutions for sponsorship and community needs.



Economic Benefits



The CETC is bringing tremendous benefits to the Drayton Valley area, Alberta's rural communities and to our province as a whole.

Economic growth:

- * Opportunities in employment, education and extracurricular activities for residents, businesses and youth in the region.
- * A clean technology industrial demonstration and tourist site.
- * Revenue from multiple sources to ensure the sustainable growth of the CETC and the community.

Workforce Relevant Training , Education and Job Creation:

- * Workforce relevant education and training in the fields of clean energy for oil and gas, forestry, and agriculture.
- * Integrated organizations and infrastructure for training and education, applied research and development, pilot plants and incubation of new bio-based products and technologies.

Generate Green Energy:

- * Helping to reduce Alberta's Greenhouse Gas emissions in the short term and reduce our reliance on oil and gas in the long term.

Support for the Forestry and Agriculture Sectors:

- * Promote the creation of value-added products from forestry and agricultural residue, that are currently being landfilled or stockpiled.

Centre for Water Intelligence

The Town of Drayton Valley's water and sanitary services will be a hub for innovation, training and technology development.

- * In progress software development for water quality.
- * Water pipe leak detection research.
- * Water & waste water operators training.
- * Efficiency in waste / water treatment.

The growth and success of the plant will result in greater job opportunities and revenue for our community.



“We never know the wealth of water until the well is dry.”

-Thomas Fuller



Bio-Products & Feedstocks



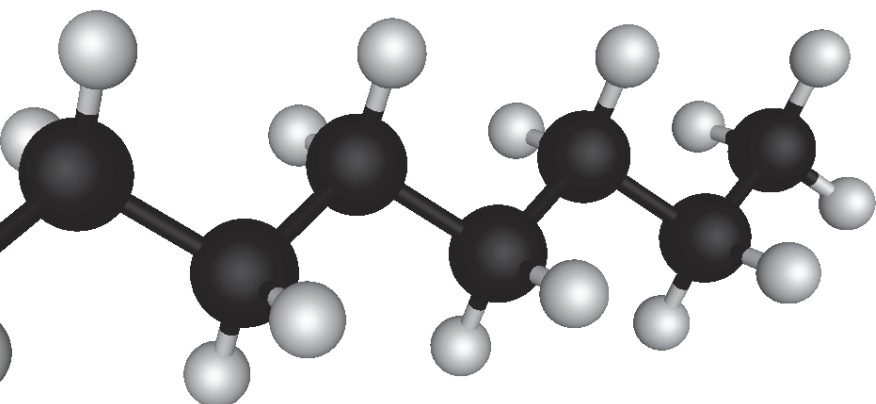
Bio-products or bio-based products are materials, chemicals or energy derived from renewable bio-degradable resources. By taking wood fibre and plant-based bio-mass from the forestry and agriculture sectors and breaking it down to its constituent parts, it's possible to manufacture a vast array of consumer products, including:

- * Building products
- * Aviation fuels
- * Diluent Methanol
- * Renewable Transportation Fuels
- * Personal Care Products
- * Auto Panels & Upholstery
- * Alternative Electricity
- * Household Cleaning Products
- * Clothing
- * Building Insulation

“If you want to find the secrets to the universe, think in terms of energy, frequency and vibration.”

-Nikola

Connecting With Us

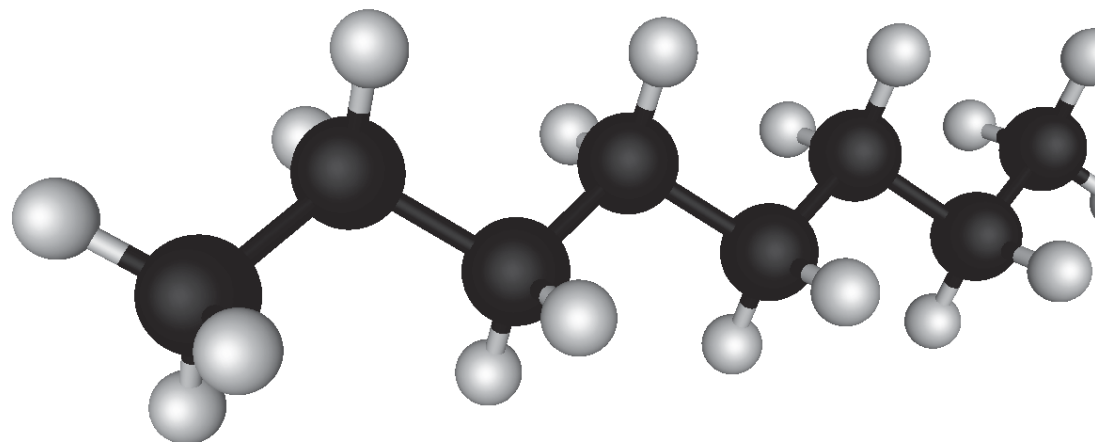


The Clean Energy Technology Centre is actively seeking partners to join with us and expand the potential of the CETC and the Bio-Mile development.

Our framework for development is progressive, while remaining flexible and adaptable. Providing a home to bio-companies, organizations and research partnerships focusing on creating new products and technologies.

We are currently seeking new opportunities:

- * Bio-industries sharing similar opportunities.
- * Stakeholder companies.
- * Innovators for bio-incubator businesses.
- * Venture capitalists.
- * New technologies.



Contact Us



“Intelligent communities empower their residents with information and resources to improve their quality of life.”

-Unknown



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