

Unlocking Industry Decarbonization

Innovative Solutions for a Sustainable Future

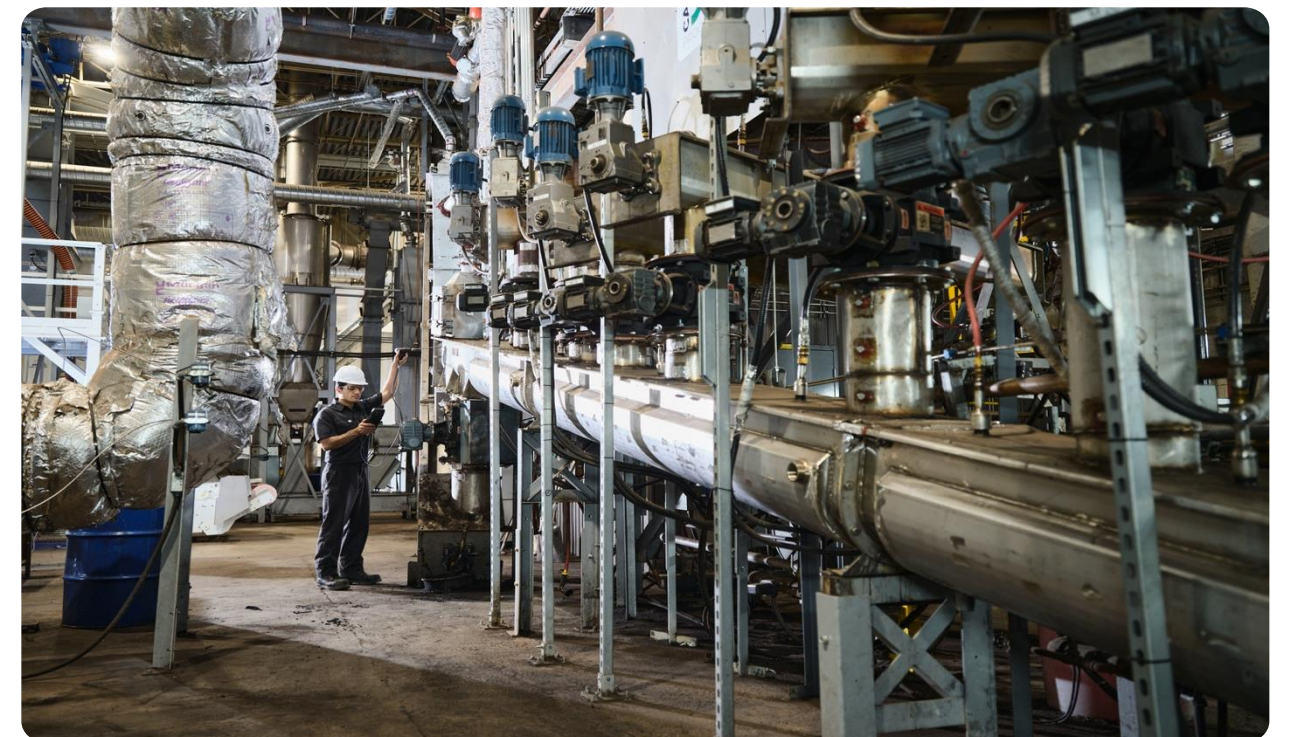
AIREX ENERGY AT A GLANCE

Incorporated in 2014, Airex Energy is an innovative leader in decarbonization solutions.

Airex Energy is committed to empowering industries worldwide to reduce their greenhouse gas emissions and achieve their sustainability goals.

Using a patented and proprietary technology, the Airex equipment converts biomass residues into 3 products:

- **Biocoal**
- **Biochar**
- **Biocarbon**



AIREX COVERS THE ENTIRE CARBON SPECTRUM

CarbonFX



BIOCOAL

Fuel of choice to replace coal to produce electricity or heat; or to feed gasifier to produce sustainable fuels.

CarbonFX-HT



BIOCHAR

A sustainable solution for carbon sequestration as soil amendment, animal feed, building materials, etc.



BIOCARBON

High carbon & energy content product capable of replacing metallurgical coke in metal production processes.

Fix C%	→ 20-25%	→ 70%	→ 70 to 85+%
NCV (MJ/kg)	→ 19-20	→ N.A.	→ 25-30+

CARBONFX™ : BIOCOAL TECHNOLOGY

- A drop-in replacement to Coal
- Output capacity: 6 TPH
- Highly efficient continuous process
- Flash torrefaction (~3 seconds)
- Low cost of production
- Easy to operate, Safe for employees
- No liquid / solid waste
- Dust-free, highly durable pellet
- No self-heating
- Weather-resistant / Outdoor storage



**Biocoal
(Torrefied Pellets)**



CARBONFX-HT™ : BIOCHAR / BIOCARBON

- A drop-in replacement to Petcoke
- Output capacity: 1.5 TPH
- High Temperature pyrolysis process
- Can be set to meet specific customer requirements (%FC, NCV, etc)
- Large-scale production capacity
- Continuous process
- Excess energy for bio-oil, steam or electricity generation
- Potential for Carbon Credits



Biochar



Biocarbon



BIOCOAL : Energy & Heat

Converting Coal-Fired Power Stations to a clean, fossil-free fuel

- Drop-in Coal replacement
- No costly infrastructure modifications
- Co-firing ratio up to 100%
- Weather resistant / Outside storage
- Easy to grind
- High energy density (≥ 19 MJ/kg)
- Dust-free
- Safe to handle and store
- Mitigates Inventory Risk



BIOCOAL : Energy & Heat

New Brunswick Power – Belledune Power Generating Station Conversion from Coal to Biocoal

- Announced September 17th, 2026 by NB Power following approval by Board of Directors.
- Conversion to Biocoal to meet restrictions imposed by Federal Coal phase-out in 2030.
- Long-term supply agreements have been signed with Canadian suppliers for majority of the fuel.
- Airex Energy and partners Arbec Forest Products, Pabineau & Eel River Bar First Nation are developing a Biocoal manufacturing facility in close proximity to the Belledune power plant.
- Planned Capacity: 150,000 metric tonnes / yr



Énergie NB Power



THANK YOU!

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