

Alberta Biomaterials Development Centre

Biomaterials are products made from plants and their fibres.

The Alberta Biomaterials Development Centre (ABDC) is an initiative accelerating the development and commercialization of bioproducts for a new economy. By offering business and technical services, as well as access to pre-commercial scale processing, including the largest fibre pilot plant in North America, ABDC drives and transforms biomaterials research and development. Accessing biomaterial expertise in Alberta is simple with ABDC's approach that links innovative research to business development and transforms knowledge for commercial applications.



Services & Technology

- Pilot scale biomass and biofibre processing
- Business development
- Market assessment
- Biomass research
- Biofibre industry development
- Bioproduct development
- Industry networks
- Funding assistance



Centre for Innovation

Building on Alberta's foundation in natural resources, ABDC connects expertise of the agriculture, forestry, petrochemical and technology industries to cultivate innovation in development and commercialization of biomaterials with expertise in pulp and paper, biocomposites, agronomy, biomass and lignocellulosic research and biochemical research and development. These biomaterials are used to make everything from cars to building materials and textiles, and the next generation of consumer products while ensuring sustainability of Alberta's environment and economy.

From seed to final product: ABDC the premier initiative in the world that enables Alberta crop producers, forestry companies and established businesses to access world-class expertise and facilities for biomaterial research, development and commercialization.

Seed to Final Product

ABDC brings together expertise from seed to final product to help industry create new products from wood, agriculture fibre and other bio-based feedstock. As one of the largest most comprehensive biofibre development programs in the world, ABDC provides access to all the biomaterial knowledge Alberta has to offer.

Current Possibilities

