When industry experts and Georgia Tech researchers collaborate, true market-disrupting innovation happens.
The Renewable Bioproducts Institute at Georgia Tech builds on nearly a century of lignocellulosics research to advance business opportunities based on renewable resources for today and tomorrow.

Industry scientists and engineers are working with Georgia Tech faculty, research scientists, and students to develop potentially market-disrupting innovations:

- Transforming forest- and agriculture-based materials.
- Innovating bioproducts and bioprocesses.
- Creating competitive advantage for industry.

With flexible contract and intellectual property structures, Georgia Tech is a nimble partner for the small startup or the complex multinational enterprise.
Renewables Research = Sustainable Growth. INNOVATION HAPPENS HERE.

**Emerging Technologies > New Opportunities**

Cellulose and lignin – found in grasses, trees, and agricultural biomass – are versatile, plentiful chemical feedstocks.

RBI and Georgia Tech’s world-class researchers are taking these resources and devising new approaches for the development and application of biochemicals, biomaterials, and fuels.

Insights into fundamental properties of these compounds and ways to manipulate them are emerging, and exploration of nanocellulosic materials is yielding new applications such as lightweight crystals, filaments, and gels with the strength and durability to rival plastics, metals, and more.

With these developments, lignocellulose offers an innovative solution to the product and materials needs of an expanding global economy in areas including:

- Aerogels
- Biontels
- Chemicals
- Composites
- Food
- Medicines and biomedical products
- Packaging
- Polymers and bioplastics
- Printed electronics
- Pulp and paper
- Soaps and cosmetics
- Transportation
- Wood products

**Industry-Driven Research > Competitive Advantage**

RBI engages 50 faculty from six colleges and numerous research centers across Georgia Tech. Thought leaders from many industries are leveraging this broad spectrum of talent to advance the refining of forest and agricultural biomass into new, cost-competitive products with the potential for capturing markets worldwide.

**Leaders for Tomorrow > Value for RBI Partners**

RBI benefits from a significant endowment, which supports 50 graduate students in faculty-directed bioproducts research. These students and fellowships are available to be leveraged by Georgia Tech research investors. RBI’s endowment produces top-flight research for today and high-caliber leaders for tomorrow.

**Scalable Opportunities > Collaborative Culture**

Industry research investors engage with the Georgia Tech Renewable Bioproducts Institute through a number of avenues:

- Accessing the vast research expertise available across Georgia Tech.
- Sponsoring proprietary research or consortium research.
- Mentoring and sponsorship of graduate students.
- Networking through industry/research conferences and symposia.
- Influencing the content and direction of endowment-sponsored, proprietary, and consortium research.

Renewable bioproducts are enhancing product portfolios of a range of industries including automotive, pulp and paper, aerospace, defense, and consumer products.