

## Corporate Innovation Challenge Template

<b>Challenge Name: Future Chemicals Manufacturers Requirements</b>
<b>Code Name: BIOECONOMYVENTURES-2022-OC2-AP_1</b>
<b>Challenge Domain:</b> <ul style="list-style-type: none"> <li>• Other: Industrial gases for manufacturing Bio-based Chemicals</li> </ul>
<b>Description of the Corporate innovation Challenge</b>
<p>Focused on serving energy, environment, and emerging markets, we provide essential industrial gases, related equipment, applications expertise, gas separation and purification technologies to customers in dozens of industries. Our industrial gases are used in production processes, storage, transport of many chemicals.</p> <p>Our challenge today is to understand the requirements of the manufacturers of the future chemicals regarding their use of industrial gases for the production of the future chemicals. This will help us to align our innovation pipeline. Typical industrial gases we produce and provide are nitrogen, oxygen, carbon dioxide, argon, hydrogen, helium, and many speciality gases.</p> <p>Our innovation challenge concerns various aspects: the supply mode of gases, the production method, sourcing, optimizing use of gases, and so on.</p>
<b>Expected results</b>
<ul style="list-style-type: none"> <li>• To provide at acceptable cost to producers of bio-based chemicals the type of industrial gases and the technology that correspond to the needs of the bio economy</li> </ul>
<b>Types of Collaboration</b>

## Corporate Innovation Challenge Template

1. R&D opportunity
2. Mentorship
3. Knowledge sharing and Tech Transfer

### Participation confirmation

I confirm Air Products availability and participation in the Bioeconomy Ventures programme. This confirmation allows Bioeconomy Ventures the right to publicly disclose the company's name, challenge information, logo, and website for the purpose of dissemination and attracting new innovators to the programme.

### Company Information

**Company Name:** Air Products

**Challenge owner name and last name:** Ann Callens

**Challenge owner email:** [callena@airproducts.com](mailto:callena@airproducts.com)

#### Company information

Air Products (NYSE: APD) is a world-leading industrial gases company in operation for nearly 80 years. Focused on serving energy, environment and emerging markets, the Company provides essential industrial gases, related equipment, and applications expertise to customers in dozens of industries, including refining, chemical, metals, electronics, manufacturing, and food and beverage. Air Products develops, engineers, builds, owns, and operates some of the world's largest industrial gas projects, including gasification projects that sustainably convert abundant natural resources into syngas for the production of high-value power, fuels, and chemicals.

More than 17,000 passionate, talented, and committed employees from diverse backgrounds are driven by Air Products' higher purpose to create innovative solutions that benefit the environment, enhance sustainability, and address the challenges facing customers, communities, and the world.

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