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Plenary Session Title

"NASA Electrified Powertrain Flight Demonstration (EPFD) Project: Progress Towards Reducing Barrier Electric Aircraft Propulsion (EAP) Technology and Integration Risks"

Abstract

The NASA EPFD Project goals are to (1) demonstrated integrated MW-Class electrified powertrains in flight using industry platforms; (2) facilitate a new aviation industry S-Curve: Electrification of Aircraft Propulsion; and (3) enable thin-haul, regional and next generation SA EAP market entrants in the 2030-2035 timeframe. This presentation will address the barriers to entry of EAP technologies and how NASA Aeronautics Research Mission Directorate (ARMD) EAP Portfolio and the EPFD Project and their industry partners are maturing the technologies and reducing the aircraft integration risks to enable a sustainable aviation future.

Keynote Biography

Ms. Gaudy M. Bezos- O'Connor
Program Manager
Electrified Powertrain Flight Demonstration Project
NASA Aeronautics Research Mission Directorate

Ms. Bezos-O'Connor has over 4 decades of project management and R&D experience delivering high-risk, high-pay-off aerospace solutions for NASA in partnership with the FAA, the aerospace industry and academia. A highly collaborative leader, she brings a solid history of success in public-private partnerships and innovative project management strategies. For the past decade and a half, Ms. Bezos-O'Connor has been at the forefront of enabling Sustainable Aviation through NASA's Environmentally Responsible Aviation Project, and Advanced Air Transport Technology Project and the FAA CLEEN Program. Currently she is the Project Manager of NASA's aviation industry-led MW-class electrified powertrain flight demonstration project that could transform the aerospace industry and result in a dramatic reduction of aircraft emissions and enable sustainable aviation.