

ASCENT Project 90

World Fuel Survey



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Cost Share Partner: TBD (verbal commitments from various refineries and airline operators)

Objective:

- Coordinate a **worldwide survey** of current aviation turbine fuels to support the **development of a jet fuel technical property database**

Project Benefits:

- Provide a **snapshot of physicochemical properties** of current jet fuels on the world market
- Establish a baseline of fuel properties for **comparison to new/synthetic fuels**
- Become a **reference benchmark** of property data for designers, operators, producers, researchers, and other fuels practitioners

Research Approach:

- Procure fuel samples from diverse, global locations
 - Refineries, airfield bulk fuel storage, and/or aircraft fueling stations
- Coordinate fuel sample analysis
 - Specification testing
 - Fit-for-purpose testing
- Manage data collection and distribution
 - Anonymize samples
 - Database results

Major Accomplishments (to date):

- Generated significant industry interest
- Solidified partnership with CRC members

Future Work / Schedule:

- [Now] Establish partnerships & coordinate participants
- [Dec '22] Survey stakeholders → ensure relevance of data collection
- [Jan-Jul '23] Coordinate collection and analysis of samples
- [Sept '23] Report findings

World Jet Fuel Survey II Concept

