

# Infra Dig – powering the eVTOL revolution

**Angus Leslie Melville**

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Infra Dig returns to one of its favourite subjects – technology in the infrastructure and energy space – for this latest episode, focusing on advanced battery data and modelling.

IJGlobal editorial director Angus Leslie Melville talks to Yash Tripathy – head of product at battery software company About:Energy – for a bleeding-edge view of how batteries are impacting the deployment of electric vertical take-off and landing (eVTOL) R&D.

This podcast – which runs for 21 minutes – focuses on tech that is advancing swiftly to solve battery engineering issues, providing this burgeoning sector with digital tools to accelerate battery development journeys.

This latest episode can be accessed on Spotify (embedded above) as well as through [Apple Podcasts](#) and on the [Amazon service](#). It is also hosted across a slew of other platforms and is open access on all of them.

Yash says: “We want to make sure that the gap between lab scale testing and engineering – and the real role application is as short as possible, and as accurate as possible.”

This role is particularly important in the fledgling sector of eVTOL – part of the “third wave of aviation” – where investment is gathering pace and shows clear signs of establishing itself a lot faster than many anticipate.

This emerging technology is evolving fast as it seeks to meet the ever-changing requirements in terms of transportation and the support technology is responding to stay abreast of developments.

Yash says: “Aerospace is a notoriously slow-moving industry, with valid reasons as safety is paramount. Where we come in is – you always have the traditional approach of building prototypes and testing them, going back to the drawing board, fixing them... and going on from there.

“We want to shortcut that process by providing accurate battery data and models so that engineers can drop these models into their systems engineering tool and test conditions without exhaustive physical testing.

“This speeds up the development process and enables faster iterations and optimisation of the battery technology. For example, if you want to test a new chemistry that comes on to the market – how do you do that without having to engineer a system from scratch?”



To hear the answer to that question – and to learn a lot more about the future deployment of eVTOL on a global scale, tune into this latest episode.



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