

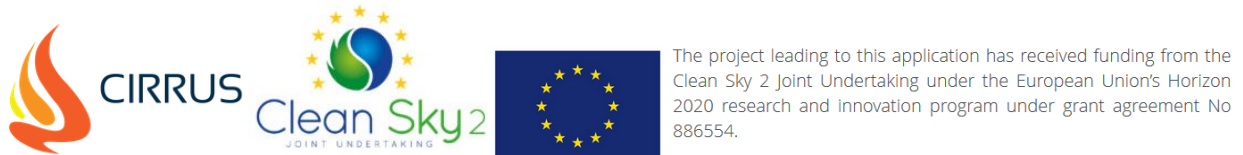
**Programme:** Horizon 2020

<b>CIRRUS Core Noise Reduction for Uhbr engineS</b>	
Le Mans investigator: Gwénaél GABARD	Laboratory: LAUM
Duration: July 2020 – December 2023 (42 months)	Grant ID: 886554
Call: Clean Sky 2 JU	

**Summary:**

The bypass ratio is one of the key indicators of turbofan engine efficiency. Ultra-high bypass ratio (UHBR) engines have large fans that rotate at relatively low speeds and therefore consume less fuel. Although high bypass ratios generate lower jet and fan noise, the engine core noise increases. The EU-funded CIRRUS project will combine numerical simulations and experimental work to reduce engine core noise for future UHBR 2030+ turbofan engines.

**Mandatory logos:**



**Internet site:** <https://www.vibratecgroup.com/en/rd/cirrus/>

**Project Coordinator:** Vibratec, France (the University of Le Mans is a consortium partner)