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InsigH₂t In



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Scientific insights into H₂ combustion under elevated pressure conditions

Concept

InsigH₂t will acquire the fundamental scientific understanding of the effect of pressure on the turbulent burning rate, thermoacoustic response, and emissions performance of lean premixed hydrogen flames under gas turbine relevant conditions.

4 years (Jan 25 – Dec 28)

Turbulent premixed hydrogen/air flame at gas turbine conditions (Image courtesy of RWTH Aachen)

Main impacts

Budget €6.2M





Fostering sustainable innovation and improving EU competitiveness





Advancing fundamental knowledge



Decarbonising electric power sector and industrial processes



Improving gas turbines technology





Transfer to the wider technical and scientific community





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the European Union

Federal Department of Economic Affairs, Schweizerische Eidgenossenschaft Confédération suisse Education and Research EAER Confederazione Svizzera State Secretariat for Education, Confederaziun svizra **Research and Innovation SERI**

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