

2022/NEW DELHI

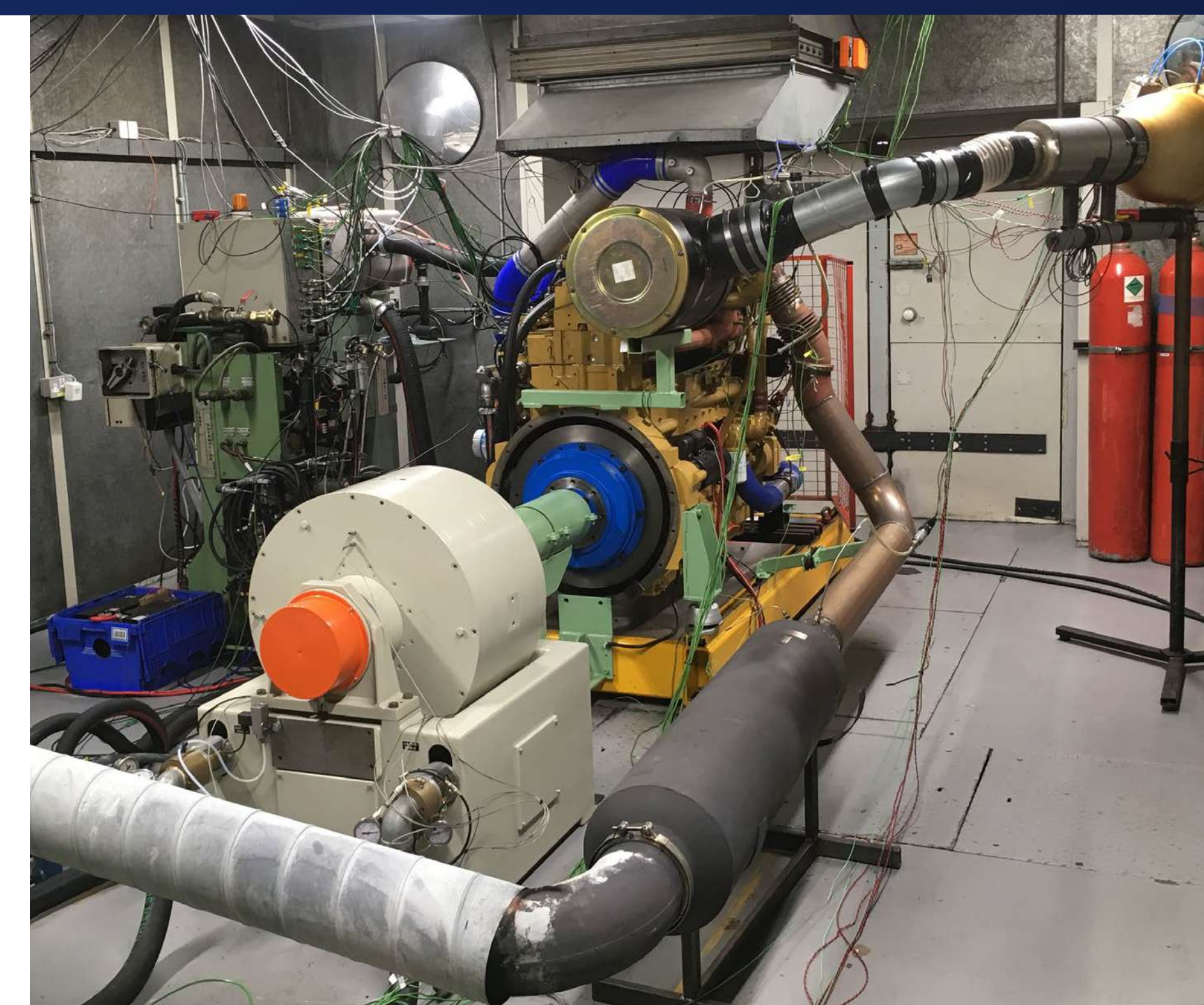
LPG
WEEK

14-18 NOVEMBER

GTC WLPGA GLOBAL
TECHNOLOGY
CONFERENCE

DEVELOPMENT AND DEMONSTRATION OF DUAL FUEL DIESEL & BIOLPG/RLPG LOCOMOTIVES

G-volution presents dual fuel evolution concepts of three UK locomotives. The work shows how existing assets using diesel engines can successfully be repowered with latest emission standard engines which are also evolved to dual fuelling using LPG/rLPG/biopropene - this is combusted simultaneously with a reduced amount of diesel fuel. Our work includes duty cycle modelling of the new dual fuel engines, route simulations, combustion modelling in combination with test cell engine development and CAD models of the installation of the new engines and the new fuel tanks. Part of the diesel fuel storage space is repurposed for storage of LPG/rLPG/biopropene.



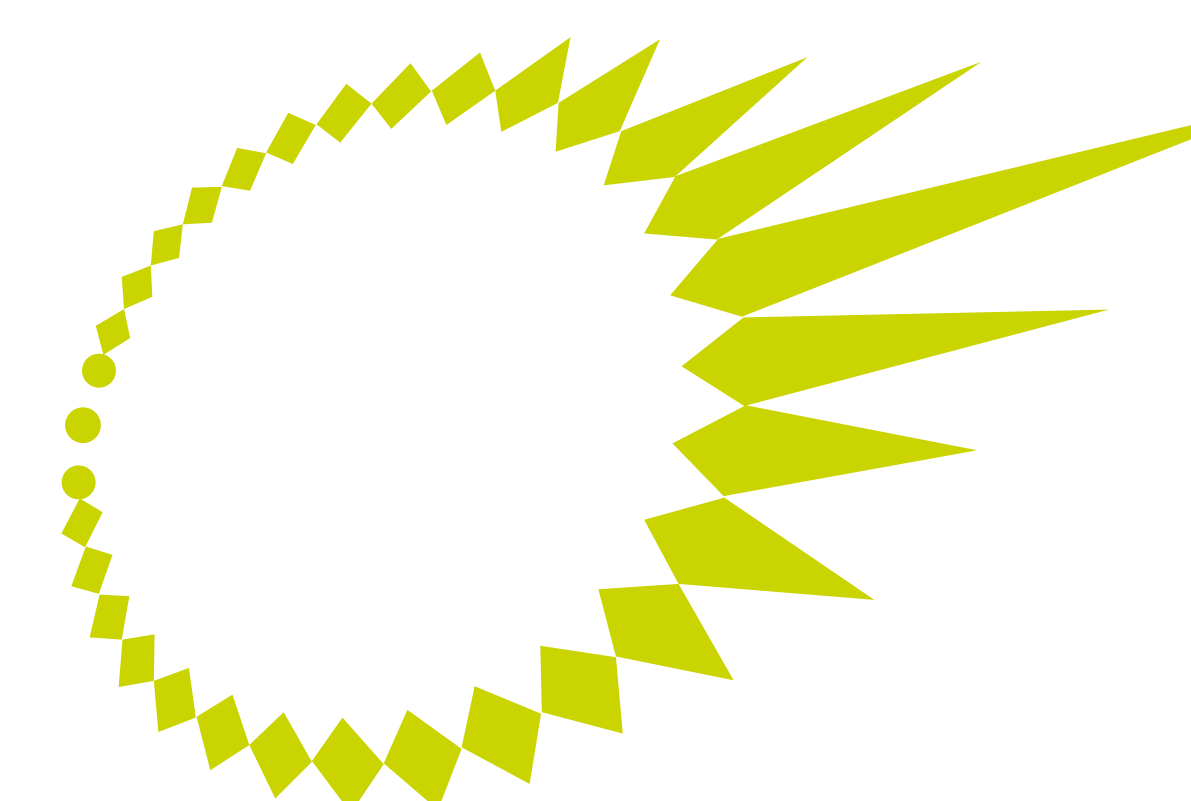
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