

#ArchitectingAviation

EXACT: Aircraft Concept Overview

For the proper assessment of tomorrows aviation, a whole fleet of future aircraft incorporating promising propulsion technologies is introduced. The fleet originates from the initial EXACT projects most promising Short-Medium-Range (SMR) concepts and is expanded to contain Medium-Long- (MLR) and Ultra-Long-Range (ULR) concepts. All of them are continuously refined according to the technology and assessment work-package results.



Spotlight: Overall Energy Efficiency from SMR to ULR

All Propulsion Architectures Compared.



	190-250 PAX			400-450 PAX	
(71	0.78	0.66	0.68	0.78	0.66
10	ĥ		<140 kt	S	
X	36m/42m		40m/46m	52m/60m	52m/60m
	<1900m		<1900m	<2300m	<2300m

Spotlight: Effects of LH2 in MLR and ULR Aircraft Applications

D350-TFLH2 and D400-TFLH2 Families.





Spotlight: LH2-Fuel Tank Integration Concepts

D350-TFLH2 and D400-TFLH2 Families.

Forward Visibility according to AS580B

Fairing: Replacement Access



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