



SHIFT2RAIL Info Day

ENGINSOFT S.p.A (SME)

Italy, France, Germany, the UK, Sweden, Turkey, U.S.A.

Carla Baldasso

Research & Development

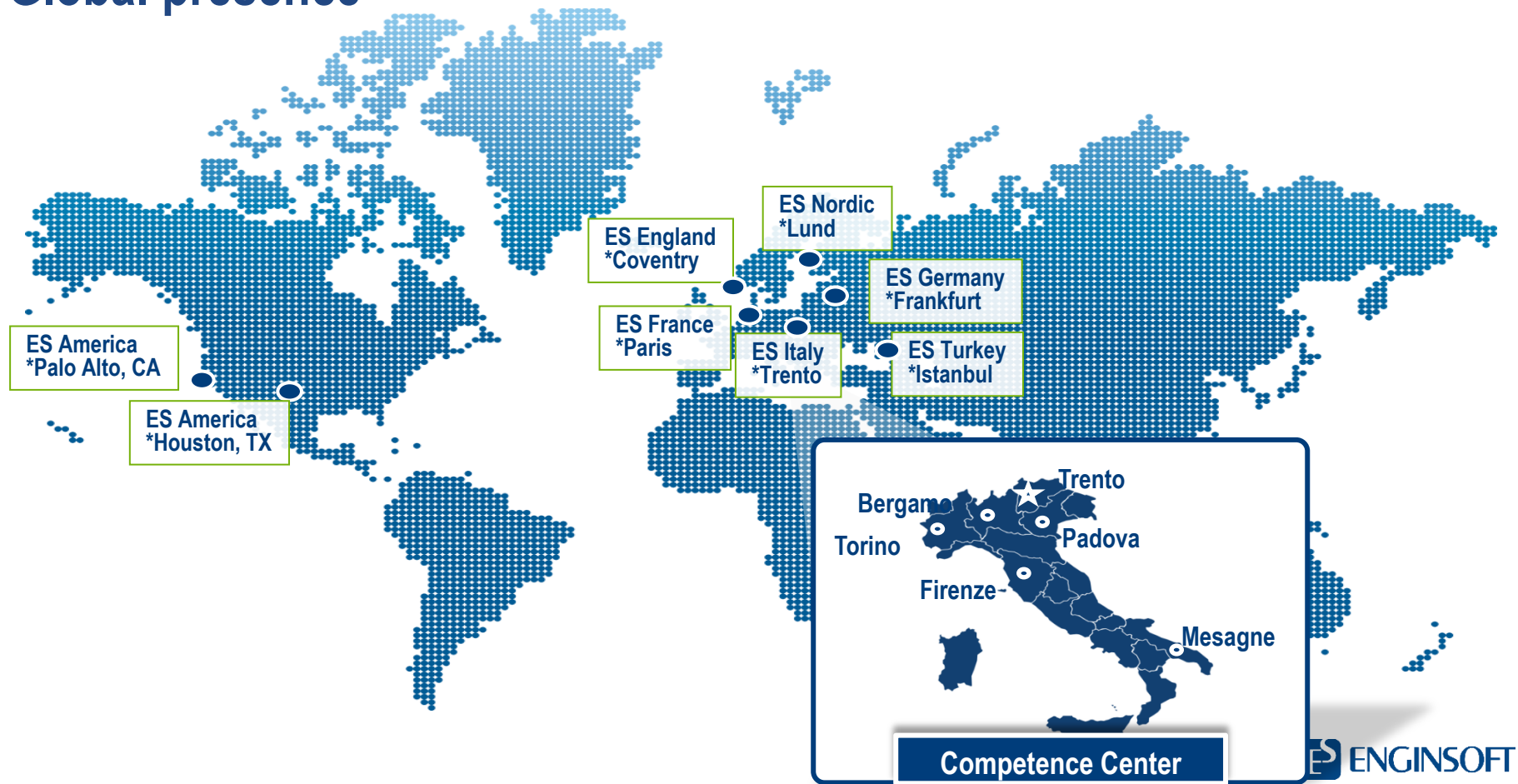
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Fact & Figures

- EnginSoft is an Italian Multinational company founded in 1983 by a group of engineers passionate in powerful advanced CAE technologies
- Today EnginSoft is formed of a group of over 120 experts in new technology and leaders in Virtual Prototyping and Optimization
- EnginSoft provides customised solutions and leading innovative technology to supporting clients in complex simulations
- Involved in EU/National Projects since 2003 (77 co-funded projects)

Global presence



Our activities

CONSULTING



4.000

SOFTWARE



1.500+

TRAINING

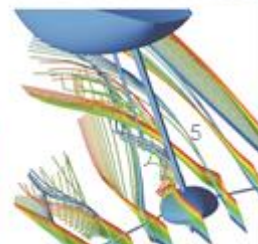
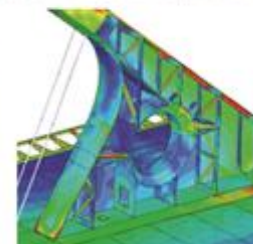
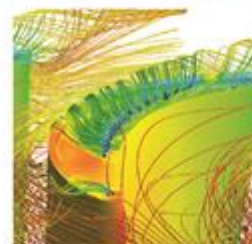


130+

RESEARCH



60+



Our expertise for SHIFT2RAIL Calls

IP	Call	EnginSoft expertise
IP1: Cost-efficient and reliable trains, including high-capacity trains and high-speed trains	S2R-OC-IP1-01-2019: Advanced Car body shells for railways and light material and innovative doors and train modularity	Materials modelling (especially for composite), multi-scale simulation, experimental calibration Members of EMMC 3D printing process simulation and topological optimization
	S2R-OC -IP1-03-2019: Support to the development of technical demonstrators for the next generation of brake systems	Noise and vibration simulation
IP2: Advanced Traffic Management and Control Systems	S2R-OC-IP2-02-2019: Support to development of demonstrator platform for Traffic Management	Decision Support System customized platform Interoperability and standardization
IP3:Cost-Efficient and Reliable High-Capacity Infrastructure	S2R-OC-IP3-01-2019: Future traction power supply for railways and public transport	Digital Twin able to preview behaviours and envisage corrective actions
IP5: Technologies for Sustainable & Attractive European Rail Freight	S2R-OC-IP5-01-2019: Condition-based and preventive maintenance for locomotive bogie	Preventive maintenance platform (data analysis, meta-models, cognitive system, repairing actions)
Cross Cutting Activities (CCA)	S2R-OC-CCA-01-2019: Noise & Vibration	Noise & Vibration, virtual certification, simulation tools in general

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Thank you!

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