

Eurailspeed

Parallel Session B.2

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Ansaldo Signal



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ERTMS

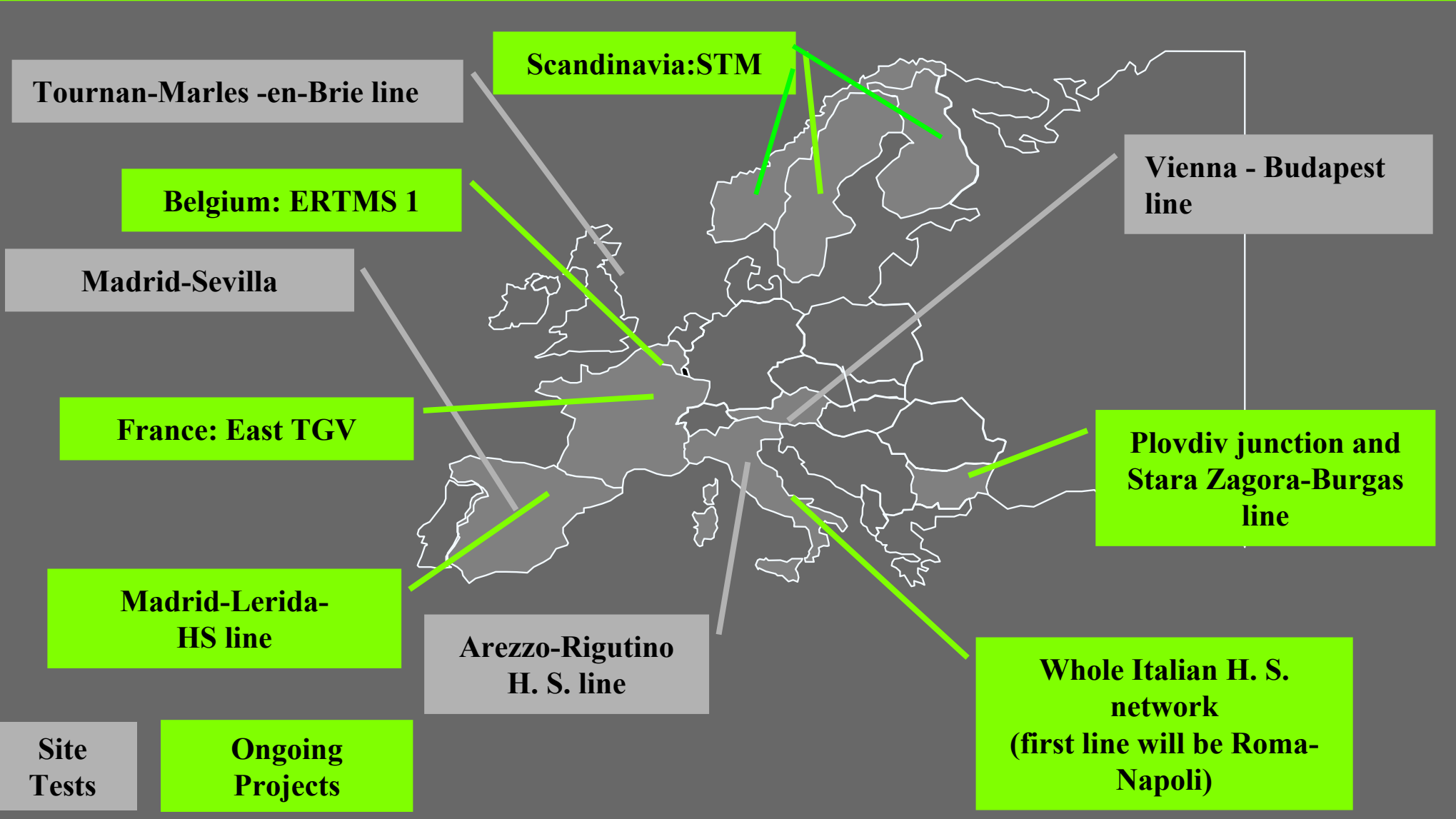
a European and a global challenge
for **Ansaldo Signal**



ANSALDO SIGNAL

A Finmeccanica Company

ASNVT ERTMS Applications





Ansaldo Signal ERTMS Contracts

- ETCS Lev. 1 in **Bulgaria** (as supplier of components/constituents)
- ETCS Lev. 1 in **Hungary** (as supplier of components/constituents)
- ETCS Lev. 1 Components/Constituents in **Italy** for SCMT
- ETCS Lev. 2 for **Italian HSL**
- ETCS Lev. 1, 2 in **Madrid-Lerida** (Spanish HSL)
- ETCS Lev. 2 for the **LGV Est Européenne**
- STM for Finland, Norway, Sweden
- ETCS Lev. 2 for SZDC (**Czech Railways** Infrastructure)
- ETCS Lev. 1 for **Indian Northern Railways**
- ETCS Lev. 1 for **Indian Southern Railways**
- ETCS components for CTCS in **China**

<u>Products</u> <u>Vs</u> <u>Applications</u>	RFI Network (SCMT+ HSL)	LGV Est	SŽDC	BDŽ	MAV	GIF	INDIA	SNCB	TOT
On-Board	2600	30	4	--	--	32	119	P I L O T L 1	2785
BTM+Anten.	5200	30	8	184	20	24	119		5585
Cab Radio GSM-R	2400	--	--	--	--	--	--		2400
LEU	5000	14	--	--	--	347	398		5759
Eurobalise	35000	2200	600	1078	1800	3500	1040		45218
Radio Block Center	5	7	1	--	--	5	--		18



What do these figures mean?

- **Concerning Ansaldo Signal it means:**
 - **ERTMS Products are Products and not just prototypes**
 - **Many Projects are on the way**
 - **Migration from the legacy systems by STM is faced**
 - **ERTMS gives a plus to the Ansaldo Signal export**



Where is ERTMS/ETCS applicable?

Ansaldo Signal experience is that ERTMS is suitable:

- **Not only for high speed lines**
- **Not only for new lines**
- **Not only for heavy traffic**

***ERTMS is
the real new pan-European signalling system
ready for worldwide applications***



Ansaldo Signal Vision for a fast ERTMS implementation

- **According to the EC COM(2005) 298 :**
 - **At least 20.000 KM ERTMS equipped by 2016**
 - **5 billion € allocated to reach this goal**
- **However:**
 - **It is necessary to maintain stability in the ERTMS specs. ERA is very welcome in this frame**
 - **Consequently stop the “nice to have” or “dreams”, there is always something better than the present but it forbids the future**
 - **Corridors are a golden opportunity to freeze the specs in a short time**
 - **Specs harmonization among corridors is an important tool to ensure stability**
 - **The Corridors Managers are quite important to reach this goal**



Thank for your attention