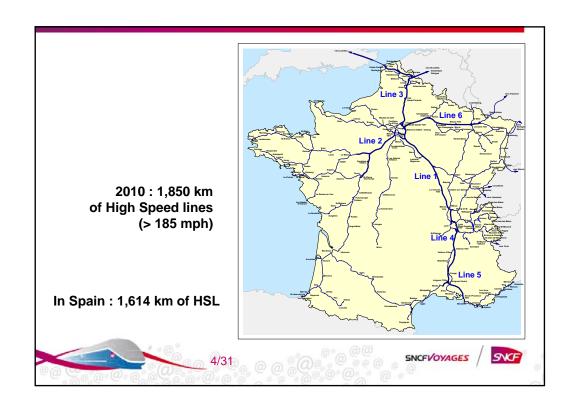
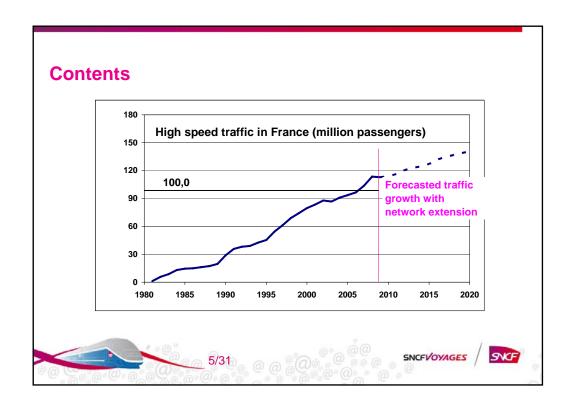


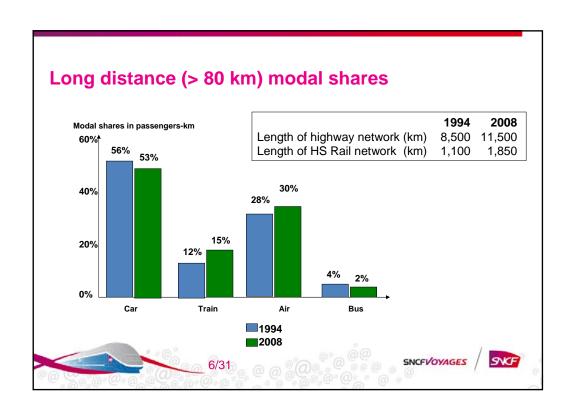
- 1 | Present status of High Speed rail in France ...
- 2 | Expanding the High Speed Network: making the right choices!
- 3 | Addressing future capacity shortages and cross borders.
- 4 | Integrating high speed lines in the conventional network.

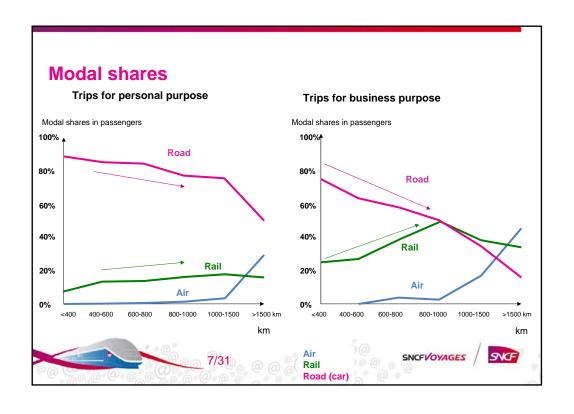
- 1 | Present status of High Speed rail in France
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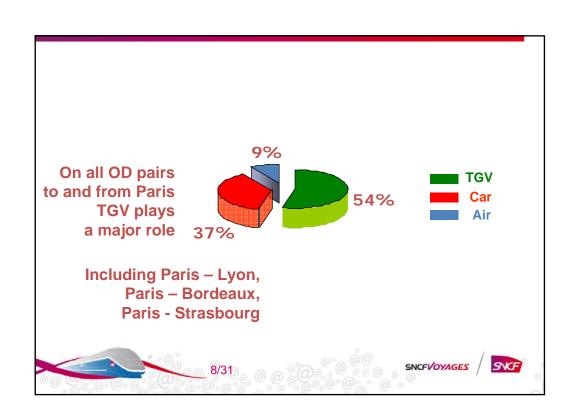






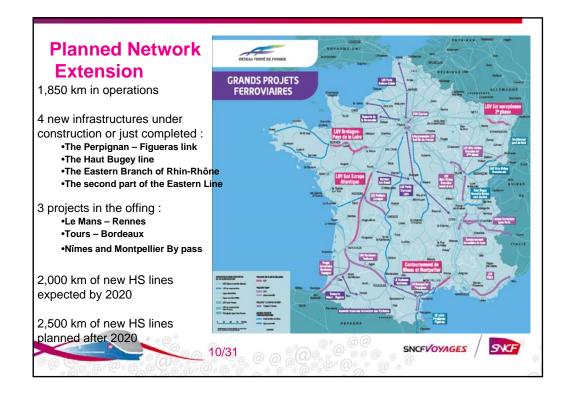






- 1 | Present status of High Speed rail in France
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Projects opportunities

Criteria Underlying matters Opportunities

- Financial profitability
- -Compromise between passengers and taxpayers
- -New markets/better attractivity on existing markets

- Socio-economic profitability
- Selection of projects of various natures
- Costs reduction/ and or saved time

- Carbon footprint
- Carbon balance
- Traffic transfer from air

- Territory management
- Accessibility & network construction
- Serving new regions or cities & creating new links

+ better accessibility to stations

- National growth and employment
- Additional demand or Project substitution
- CAPEX and OPEX

- -Interoperability,
- -Saturated areas and cross boarders

-Operations

bottlenecks

New markets / better attractivity on existing markets

Optimal range of travel times

From 1 hour to 4 hours by train: elasticity to travel time is maximum:

UK is shaped for HSR

Costs reduction/and or saved time

Optimal speed

Travel time is one of the major cost drivers

The optimum speed depends on the corridor









Transfer from air traffic

Air Traffic in France and in its vicinity in 2009

The bulk of the remaining air traffic is located South of France.

Projects aiming as maximizing the traffic shift from air should be dedicated to this corridor.





Serving new regions or cities & creating new links

Regions without TGV

Since 2007,

only two regions, Auvergne located in the very middle of the country and Corse, do not have any TGV service at all.









CAPEX and **OPEX**

Employment

Investment favors employment, but... productivity and service push towards a transfer of the labor part of OPEX onto the client

Saturated areas and cross borders

Network saturated areas and Cross borders



SNCFVOYAGES SNCF



- 1 | Present status of High Speed rail in France
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Capacity shortages

Two main projects aim at addressing capacity shortages expected by 2020

A second route from Paris to Lyon: POCL= Paris - Orléans - Clermont - Lyon

"Greater Paris"





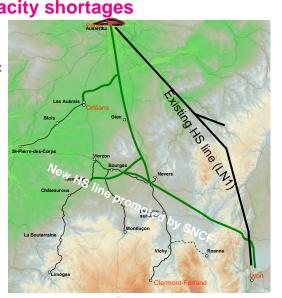


Capacity shortages

A second route from Paris to Lyon: POCL(2025) =

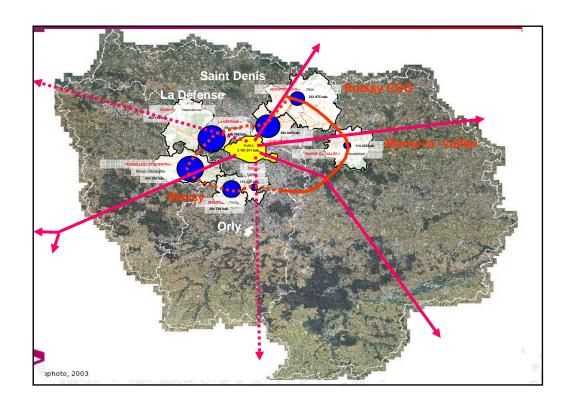
Paris - Orléans-Clermont - Lyon

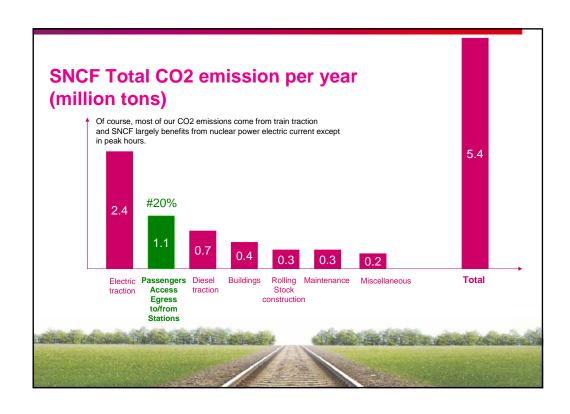
This project is a blend of efficacity and territory management for regional, national, international traffic.

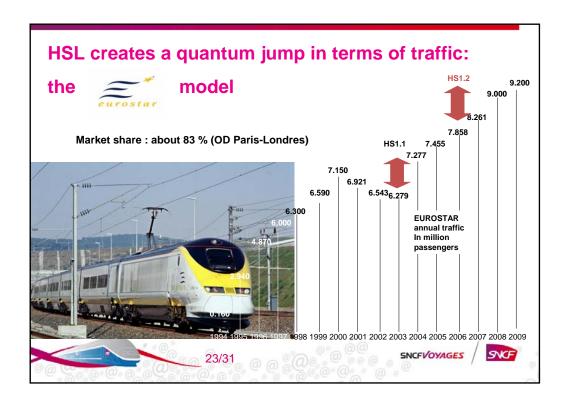


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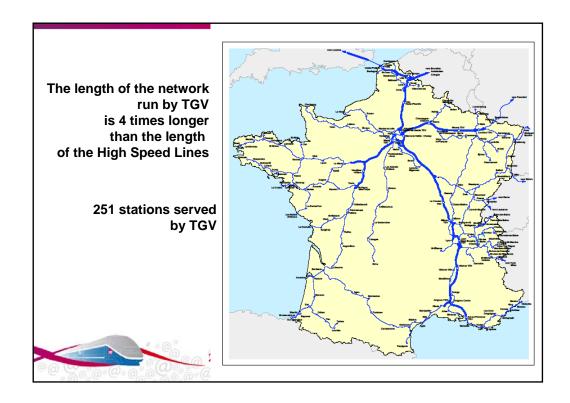


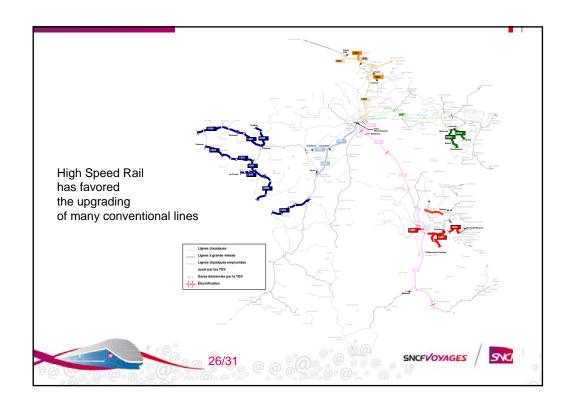


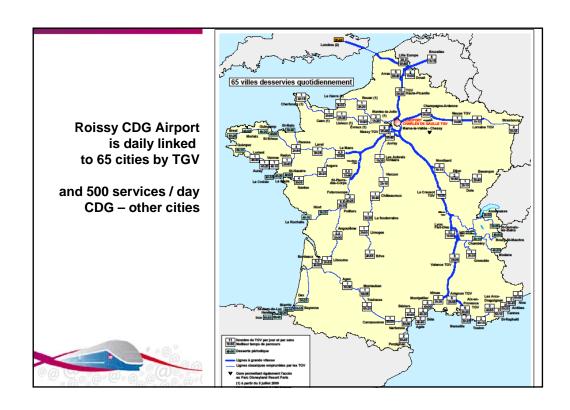




- 1 | Present status of High Speed rail in France
- 2 | Expanding the High Speed Network: making the right choices
- 3 | Taking action now to address future capacity shortages and cross borders
- 4 | Integration of high speed in the conventional network













Thank you for your attention.

SNCFVOYAGES