



الشركة الوطنية للسكك الحديدية التونسية
SOCIETE NATIONALE DES CHEMINS DE FER TUNISIENS

TUNISIAN RAILWAYS S N C F T REALITY & PROSPECTS

SUMMARY



I. OVERVIEW OF THE SNCFT

II. KEY FIGURES

III. SNCFT's FUTURE PROJECTS

1. Infrastructure.
2. Network Development.
3. Rolling Stock.
4. Security.

IV. MEGAPROJECT : R.F.R (Rapid Railway Network)



OVERVIEW OF THE SNCFT

Overview



- The railway network includes **2165** km of lines distributed as follows :
 - 1686 km of metric gauge track.
 - 471 km of standard gauge track.
 - 8 km of dual gauge track.
- 1991 km of operated lines.
- 1928 km of single-track lines.
- 226 km of double-track lines.
- 90 km of electrified lines.
- 200 stations.

CURRENT TUNISIAN RAILWAY NETWORK





KEY FIGURES

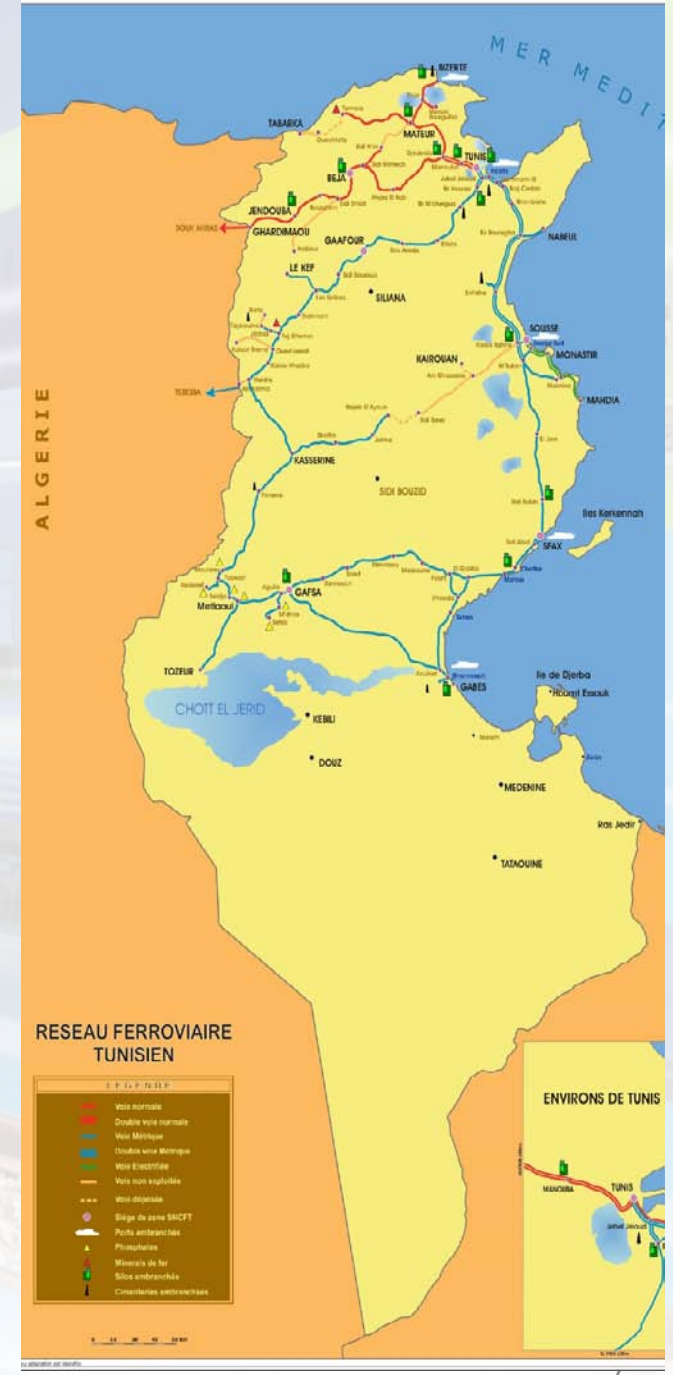
Key Figures

SNCFT annually provides the transportation of :

- ✓ 11 million tons of goods including 8 million tons of phosphate.
- ✓ 6 million mainline passenger.
- ✓ 34 million suburban passenger.

• **HUMAN RESOURCES :**

- ✓ 4518 employee at the end of 2017.



The Rolling Stock Fleet

Passenger Rolling Stock :

- 19 GT locomotives
- 04 DP locomotives
- 10 Diesel Multiple Units (DMU's).
- 20 Diesel Multiple Units (DMU's).
- 30 Electric Multiple Unit Trains (EMU's)
- 99 passenger cars «GANZ»



The Rolling Stock Fleet

Phosphate and freight Transportation Rolling Stock

– 40 locomotives (DP, DN et DI)

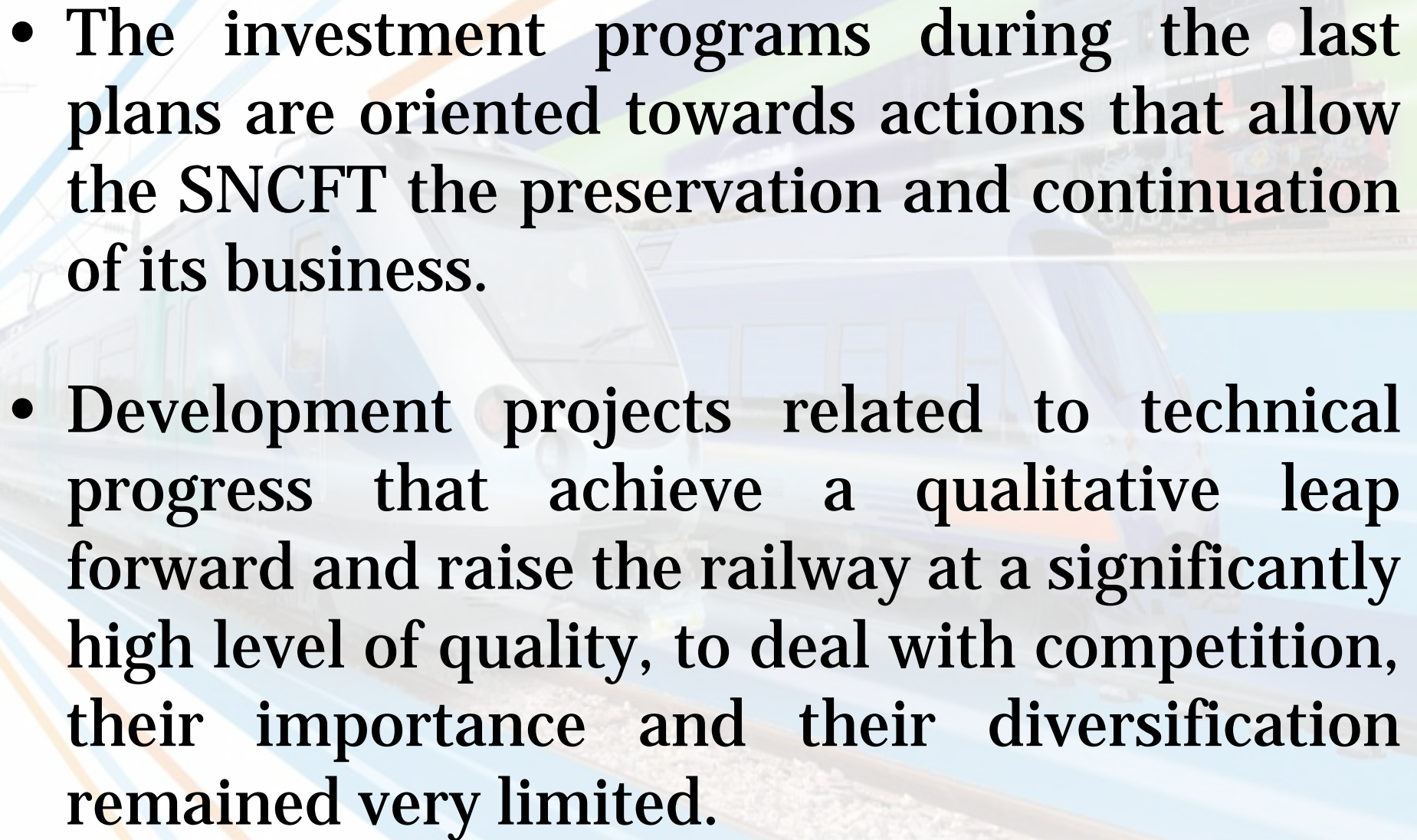


– 3119 wagons





SNCFT'S FUTURE PROJECTS

- 
- The investment programs during the last plans are oriented towards actions that allow the SNCFT the preservation and continuation of its business.
 - Development projects related to technical progress that achieve a qualitative leap forward and raise the railway at a significantly high level of quality, to deal with competition, their importance and their diversification remained very limited.

Current Investments Policies

- The general orientations and the country's transport policy :
 - ✓ Opening up of underprivileged regions.
 - ✓ Sustaining the economic growth.
- The objectives that ensure the development of the activity of SNCFT and its recovery.



SNCFT is demanded to move toward activities where it can perform a competitive economic role, highlighting its comparative advantages.



The investments must be profitable and coherent with its aspirations to improve quality and security in railway transportation.



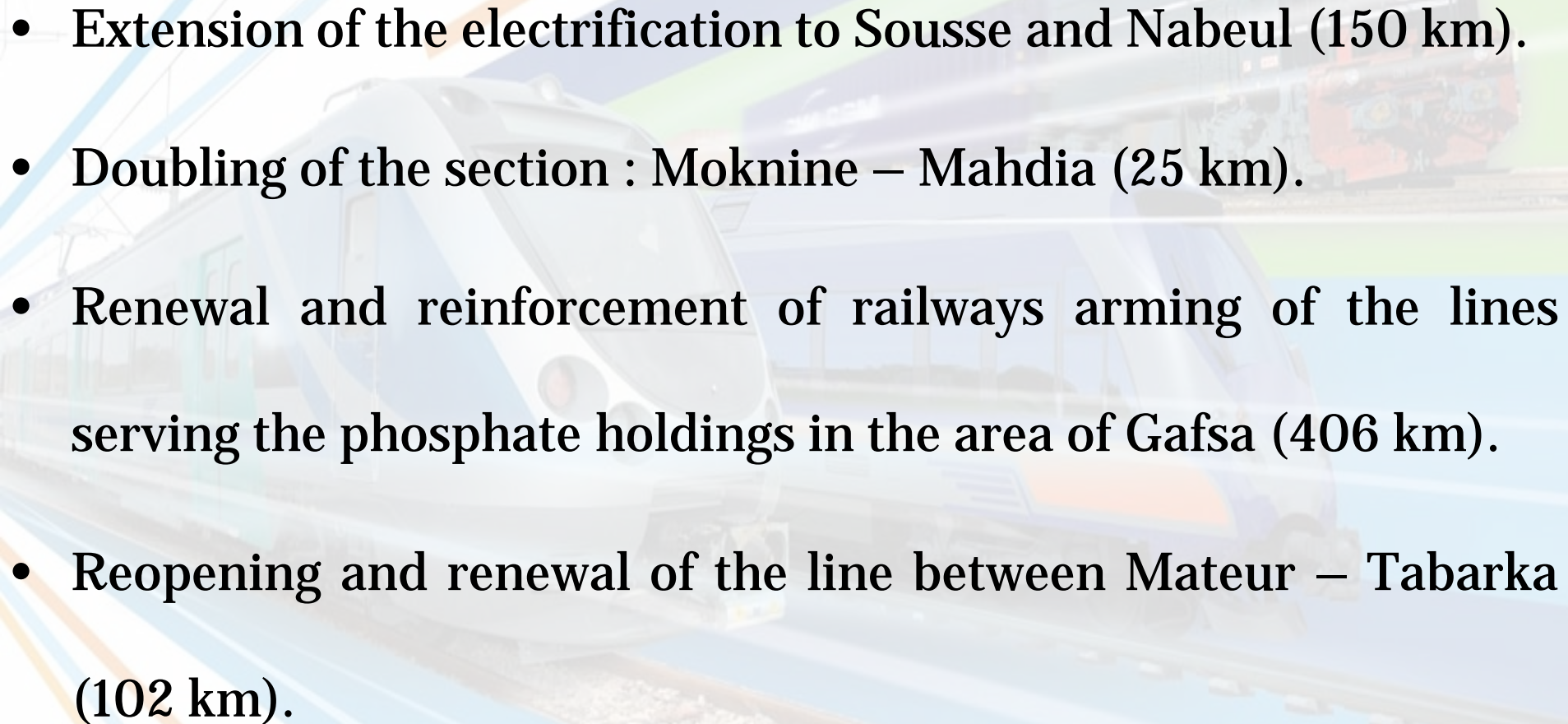
SNCFT's future projects are organized around the following axes :

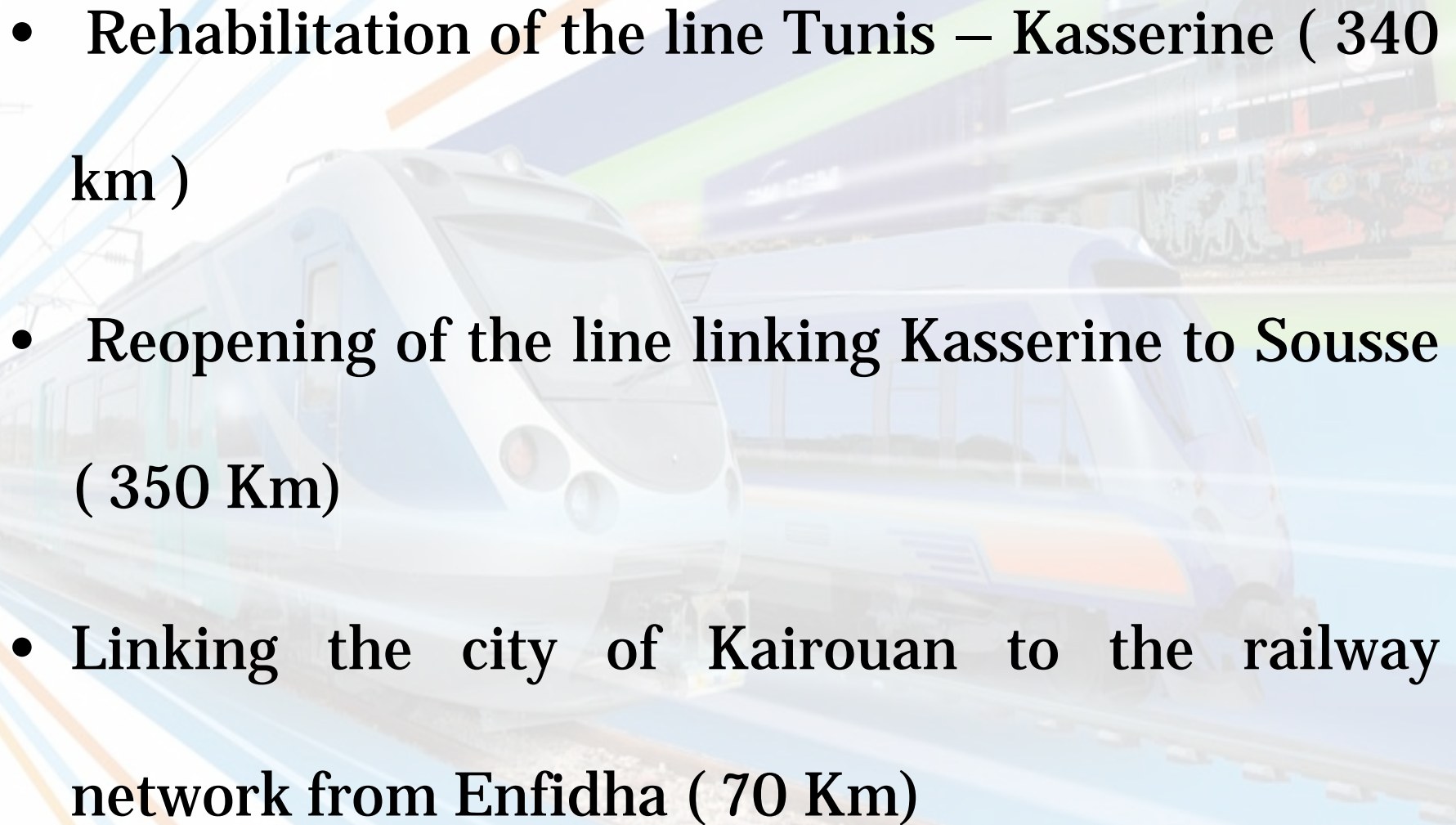
- **Infrastructure.**
- **Network Development and regional integration.**
- **Freight and Development of Rail Transport Logistics.**
- **Rolling Stock.**
- **Security.**
- **Institutional Reform & Organizational Restructuring.**



PROJECTS RELATED TO NETWORK DEVELOPMENT

Number of Project : 7
Length : 1500 Km
Electrification : 245 Km

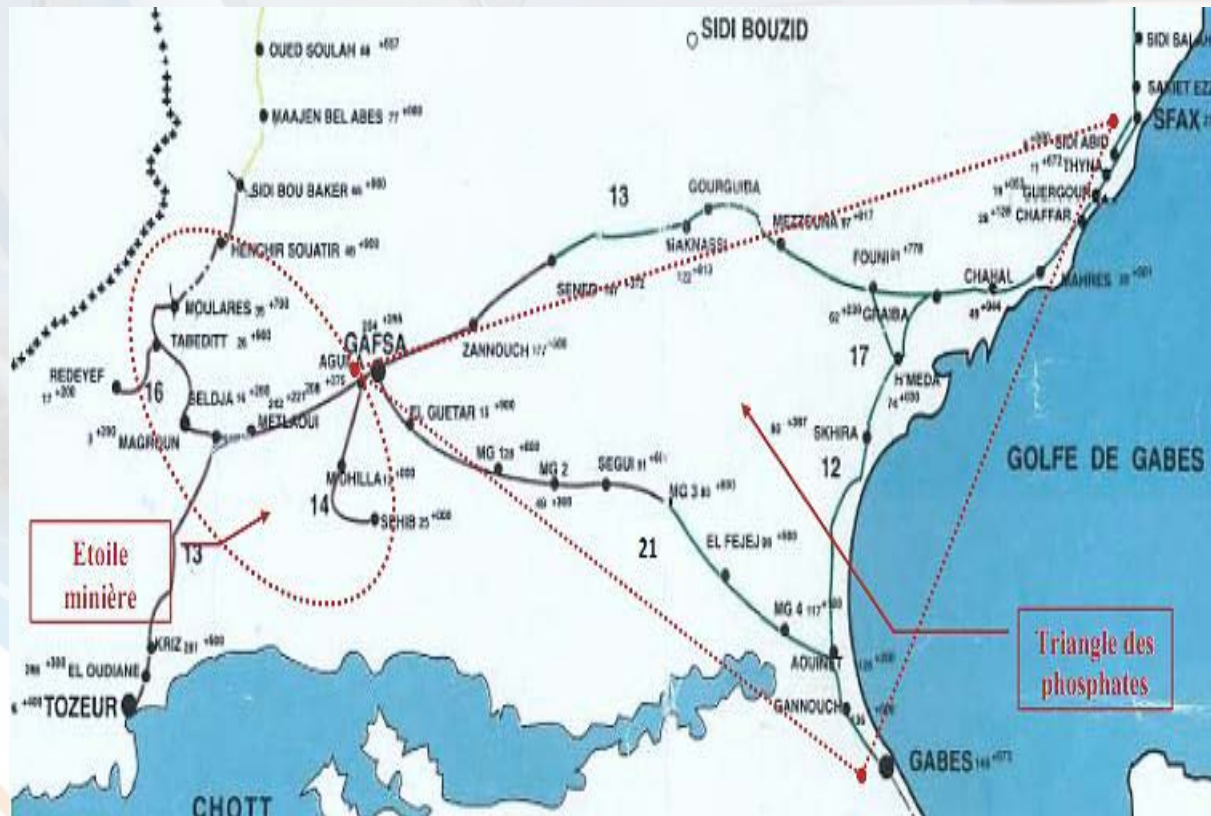
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- **Extension of the electrification to Sousse and Nabeul (150 km).**
 - **Doubling of the section : Moknine – Mahdia (25 km).**
 - **Renewal and reinforcement of railways arming of the lines serving the phosphate holdings in the area of Gafsa (406 km).**
 - **Reopening and renewal of the line between Mateur – Tabarka (102 km).**

- 
- **Rehabilitation of the line Tunis – Kasserine (340 km)**
 - **Reopening of the line linking Kasserine to Sousse (350 Km)**
 - **Linking the city of Kairouan to the railway network from Enfidha (70 Km)**

Doubling of the section : Moknine – Mahdia (25 km)



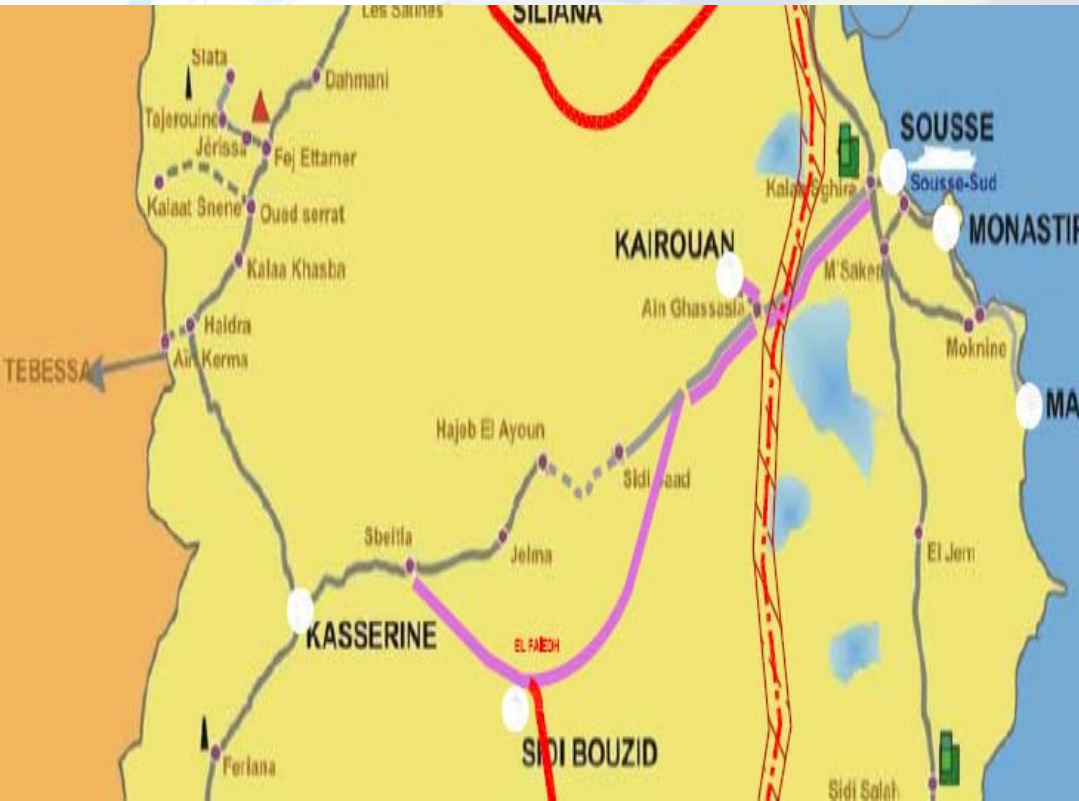
Renewal and reinforcement of railways arming of the lines serving the phosphate holdings in the area of Gafsa



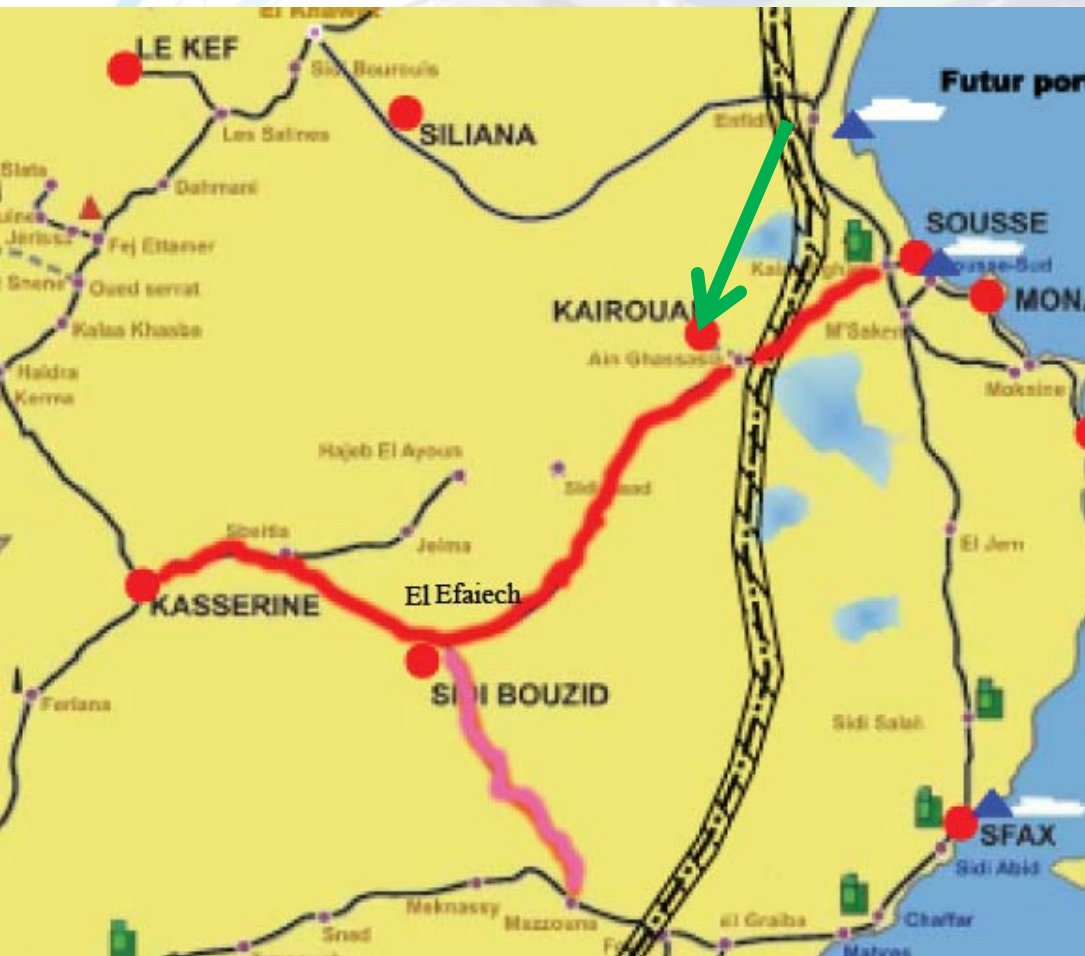
Rehabilitation of the line Tunis – Kasserine



Reopening of the line 11 linking Kasserine to Sousse



Linking the city of Kairouan to the railway network from Enfidha



Rail link between Gabes and Medenine



- **General project presentation**
- *The Gabès – Médenine railway line project consists in a new rail line, connecting Médenine in Southern Tunisia to the SNCFT national railway network from Gabès. Investment costs vary from TD 240 to 600 MM depending on technical variants.*
- **The project will also pave the way for future rail projects, including:**
 - **The railway connection to Tataouine**
 - **The link to the port and the logistics zone of Zarzis**
 - **A rail connection to Libya**
- **Functional scope of the project**
 - **The completion of works between Gabès and Médenine over 74km, including:**
 - **Completion of main technical installations**
 - **Construction of stations and tracks**
 - **Electrification of the line (studies, materials and works)**
 - **Line and station signalling (studies, materials and works)**
 - **Communication network (optical fiber) installation**

Sousse railway station

General project presentation

- *The Sousse railway station project is an urban-development programme aiming at offering new services to the city inhabitants and train passengers, by valuing real estate owned by SNCFT on the station outskirts.*
- The project has an estimated footprint of approximately 5 hectares (on public domain).
- The project consists of the construction of an urban center in Sousse, including a Multimodal transport station, a Conference Center, a Shopping mall, a Hotel, a Clinic, a Cultural and Recreation Center and Offices.



Option 1



Option 2



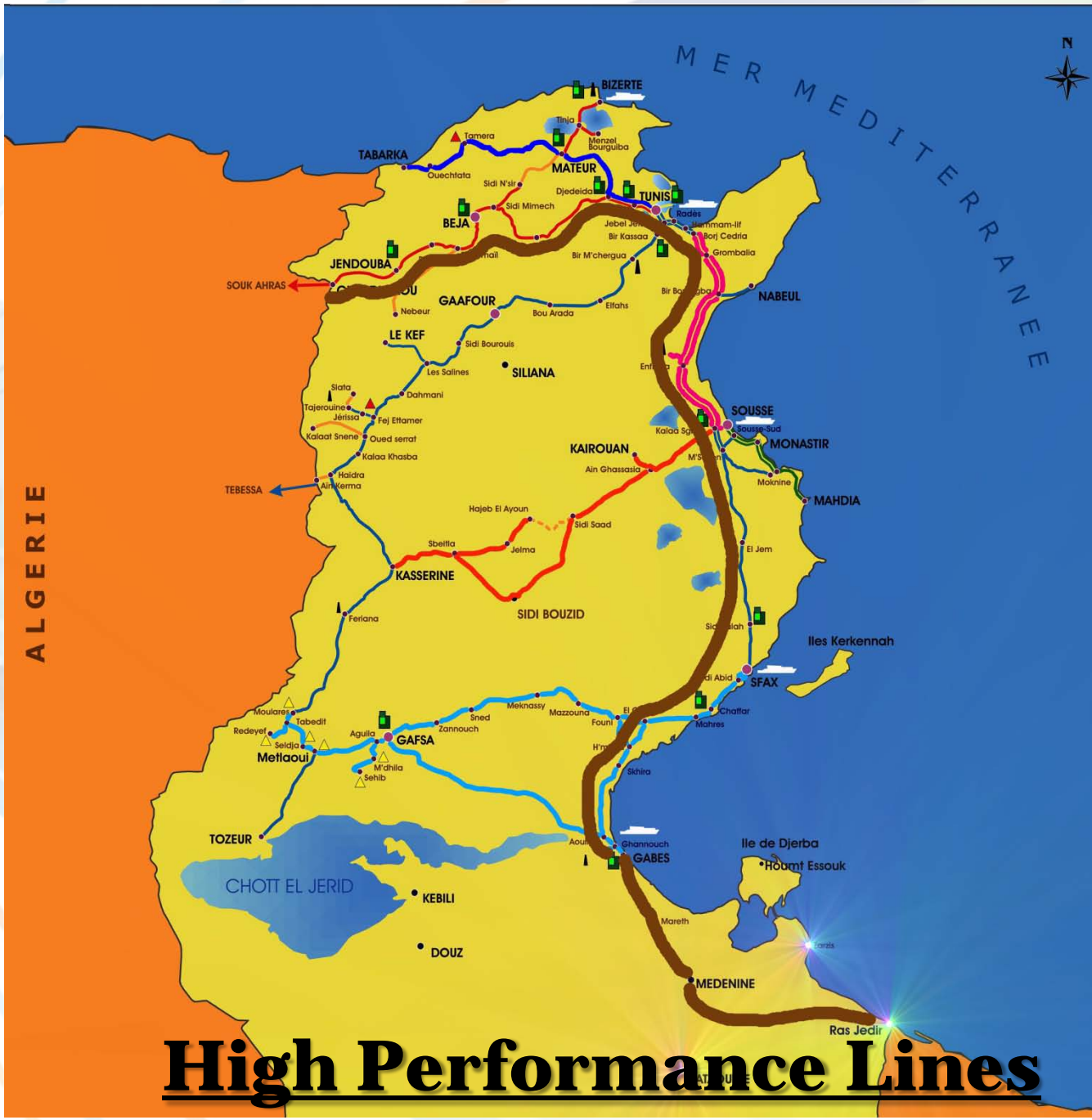
Option 3

High Performance Lines :

Preliminary studies for the creation of High Performance Lines

(LHP) with UIC standards allows :

- The connection of the main cities of the Maghreb
- A speed of 250 km/h for passenger trains and 120 km/h for freight trains.
- High performance Lines will extend in Tunisia over a total length of 840 km of track.



High Performance Lines





**PROJECTS RELATED TO
ROLLING STOCK**

Acquisitions in the course of manufacture

- 28 EMU trains for urban passenger transportation on the Rapid Railway Network (Rotem).
- 20 locomotives for the transportation of phosphates and phosphate derivatives (EMD).

Planned acquisitions

- 110 passenger cars for the transportation of passengers on the Main Lines (in the count).
- 600 wagons for phosphate transportation.



**PROJECTS RELATED TO
SECURITY**

- 
- **Equipment of 130 Level Crossings.**
 - **Generalization of the GSM-R system.**
 - **Fiber-optic transmission network.**
 - ✓ Achieved : 836 km.
 - ✓ In progress : 384 km.
 - ✓ Planned : 621 km.
 - **Study in progress for the implementation of the ETCS system (European Train Control System) in the suburbs of Tunis.**

Transmission network on optical fibers support.



*MEGAPROJECT
R.F.R
(Rapid Railway
Network)*



RFR

شركة تونس للشبكة الحديدية السريعة
Société du Réseau Ferroviaire Rapide de Tunis

The RFR network is composed of 5 lines totaling almost 85 km

LINE C

Tunis PV –Mhamdia
(19,5 km)

LINE C+F

TunisPV- NorthAriana
(10,5 km)

LINE D

Tunis-Gobaa-Mnihla
(19,2 km)

LINE A

Tunis – Borj Cedria
(23,2 km)

(existing, electrified in April 2012)

LINE E

Tunis-Essijoumi
(19,2 km)





The cost of RFR's first phase of the project is estimated at 550 million Euro

(including rolling stock) , financed as follows:

- 40% Government budget
- 60% External loans(AFD, kfw,EIB,EU)

RFR has signed at this level some financial conventions for a total amount of 227.6 million Euro

LIGNE D

Tronçon de la ligne D: Centre-Ville
(Barcelone) - Gobaâ : 12,2 Km

8 STATIONS

Tronçon de la ligne E: Saida
Mannoubia - Bougatfa : 6,3 Km

5 STATIONS

LIGNE E





The first tranche of RFR project of Tunis with a length of **18.5 km**, is divided into work packages and supplies: Four lots and Civil Engineering Building, a comprehensive batch system, a batch tunnel and rolling stock lot :







***THANK YOU FOR YOUR
ATTENTION***