



# FRANCARE

ACCOMPANIES

THE NATIONAL INDUSTRIAL AND MINING  
COMPANY OF MAURITANIA

# SNIM

YEARLY RENOVATION  
AND MAINTENANCE OF LOCOMOTIVES

## FRANCARE Industries

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## PROJECT : Yearly renovation and locomotives' maintenance

SNIM's train are towed by 2 or 4 electric diesel General Motors locomotives model SDL 40 and SDL 70 of 3,300 and 4,500 h.p.

These trains can reach up to 2.5 km length with 200 hopper wagons of 80 tons capacity, making these some of the longest and heaviest trains in the world.

Traffic represents more than 16 billion tons yearly and is carried by 6 trains, therefore maintenance of the locomotives is one of SNIM's major strategic issue. That is why FRANCARE as gathered a variety of competencies in order to establish:

- A technical audit of the locomotives
- Supply of Lifting columns equipped with 4 actuators of 50 tons capacity
  - Factory acceptance test before shipping
    - External aspect control
    - Work dynamic test bench
    - Specific testing requirements and control of the accessories
  - On site installation and commissioning
    - Handling supervision
    - Set up and electrical connexion
    - Machinery start up
  - Theoretical and practical training of the staff on the actuators use







- Control and renovation of rolling stock's mechanical parts
  - Maintenance
  - Revision
  - Conversion
  - Repairs



- Testing of the diesel motors installed on the SDL 40 and SDL 70 General Motors locomotives
- Interior renovation of the wagons and locomotives and replacement of :
  - Fans
  - Air conditioning
  - Evaporators
  - Condensers
- Corrective maintenance, corrective and preventive yearly maintenance of the locomotive







Contact

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