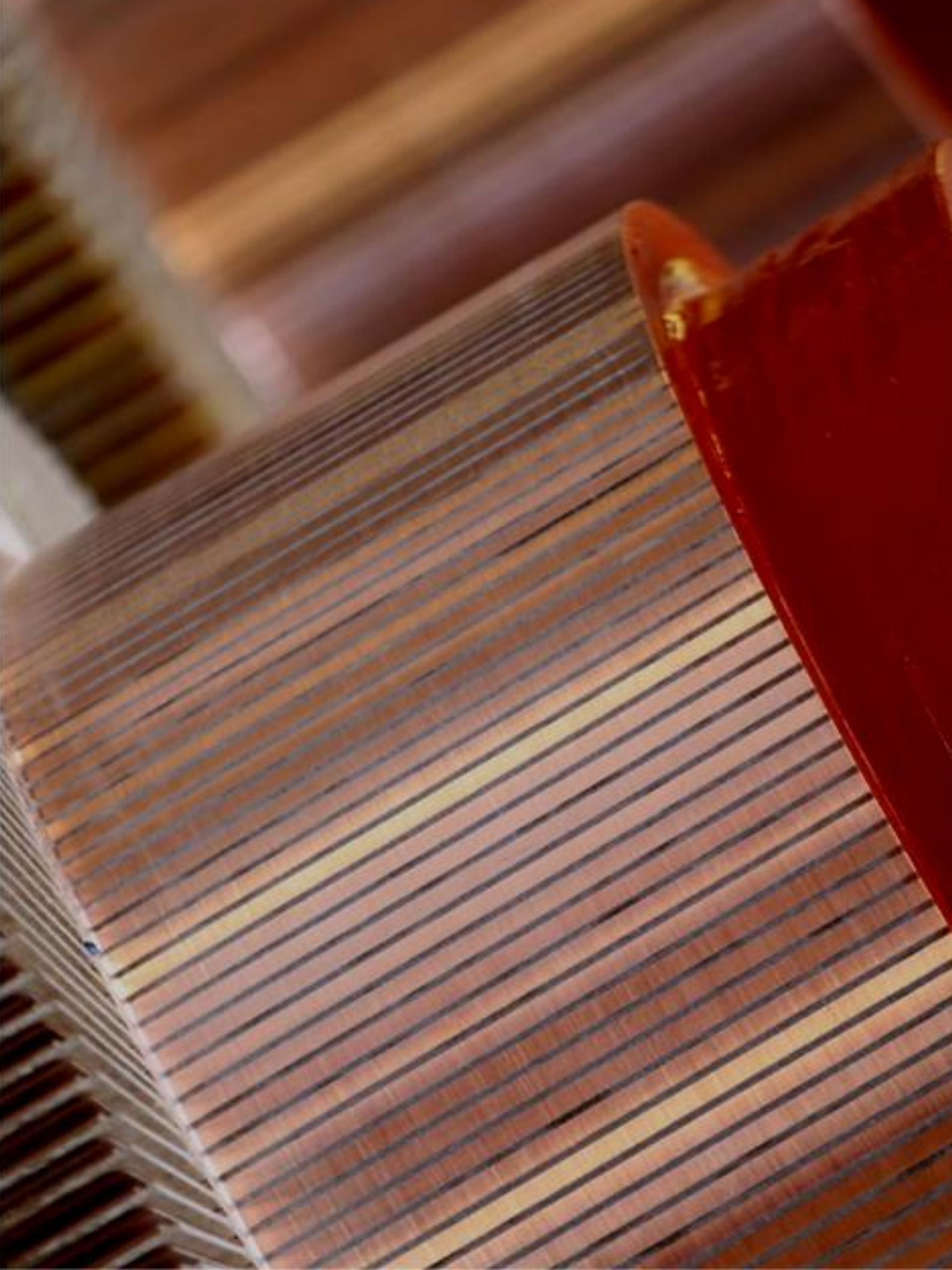


Your Service Partner Service Solutions for Locomotives'





Customized Solutions

Your rotating equipment needs to have the highest levels of reliability. With our customized service solutions, we support you in keeping your operation at higher efficiency and to reduce maintenance costs. By managing all steps of the process, from design to testing and re-installing serviced parts, we make sure you receive the highest quality repair and fastest delivery.



Services for You

Iron Moz is breadth of experience servicing AC and DC traction motors, generators, bogies, braking systems, gearboxes, and many more parts and equipment used in railway equipment.

With extensive maintenance design solutions and manufacture capabilities towards our selected partners, we can quickly produce commutators, armatures, slip rings as well as complete motor and generator repairs. We can offer re-engineering and manufacturing of both mechanical and electrical components.



Capabilities

Utilizing our considerable experience in overhauling of rotating equipment, we have the capability to repair a wide range of traction machines. Undercutting and resurfacing of commutators, commutator profiling, commutator welding, rotor testing and in-situ commutator profiling are just a few examples of our extensive capabilities.

Iron Moz's can offer an outstanding quality in traction motors overhaul and re-engineering solutions for the complete range of stator, armature, interpole and field coils, using all forms of the latest insulation technologies. The use of high standards in workmanship, rigorous procedures, control of components, manufacture precision, assembly, and in-situ testing ensure that all of our repair work is delivered safely and to the highest quality.



Expertise

Alternators, Generators & Traction Motors

Full electrical inspection
Preliminary diagnosis
Checking shaft and bearings
Stator/rotor rewinding
Coils overhaul
Vacuum resin impregnation
of all electrical components
Dynamic balancing
No load testing
Electrical Stress testing
(components & assembly)



Primary & Auxiliary's rewinding

Stator & Rotor
Series:
AR, TA
CA, D



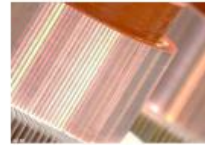
Alternators

Models:
AR10E1-D14,
AR11, AR15,
AR17, AR20,
GM A8589



Generators

Models:
D12/D14/D15
/D22/D32
GM CA7A



DC TM Overhauls

Models:
D29, D31, D43,
D77, D90TR.
761ANRxx,
761ANS01



AC TM Overhauls

Models:
2630 (EMD70),
2830 (EMD 80),
3432 (EMD 70 ACe)

Locomotives Overhauls

With nearly 120 years of combined experience from our engineers working in diesel locomotives overhauls, our experts have seen nearly everything, undertaken the overhaul of key locomotive mechanical components. We are well versed in all manner of diesel-electric locomotive maintenance, and can offer your enterprise guidance and/or repair services regarding the following:

On-site wheel reprofiling
Power assembly changeout
Turbo changeout
Gear trains repair
Lubrication system repair
Main generator repair/overhaul

Air compressor repair/overhaul
Aux compressor repair/overhaul
Traction motor repair/overhaul
Air brake systems
Other primary and secondary systems



Why Iron Moz?

Our service capabilities span the full range from inspection to repairs, testing, and commissioning. We offer our services according to the Railway Group Standards and approved procedures. Overhaul processes extend the lifetime of your critical parts, and our highly effective processes offer fast delivery.

On-Site maintenance suited for your needs

Whatever service requirements you have On-Site of your rotating equipment, we have the right service for your needs. Whether it's for routine or advanced maintenance activities – or anything in between – our experts are at your disposal.

*To ensure the best service and responsiveness, **Iron Moz** can uphold the your needs by installing a dedicated workshop for maintenance services (preventive and repair) within **Visco Orinoco** operation's that will enhance competitiveness and customer satisfaction, such as:*

1. **Faster Response Times:** Being locally based allows for quicker reaction times to service requests, leading to increased customer satisfaction.
2. **Personalized Service:** We can offer tailored solutions that address specific needs and preferences of Visco Orinoco, fostering loyalty and .
3. **Flexibility and Adaptability:** We can quickly adapt to changing customer needs or unexpected issues, offering more agile service.
4. **Strong Local Networks:** Being part of the community allows local providers to build networks with other businesses, which can lead to collaboration opportunities and referrals.
5. **Develop of Local Suppliers:** With longer partnerships we can have the opportunity to develop local suppliers to access supply chains and improve service efficiency.
6. **Develop of Local Resources:** Iron Moz will instate a training program for local community to participate to learn and develop and become skilled technicians, promoting that will reduce further items delivery.

Your Advantage



Reliability



Life-cycle management



Energy efficiency and
Circularity

Iron Moz Lda

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