



WELCOME

OFFICIAL PRESENTATION 2019

LEADER IN MINING AND UNDERGROUND SOLUTIONS



Who are we?



98%
OF EXPORT SALES



200
COMMITTED CUSTOMERS
IN MORE THAN
88 COUNTRIES



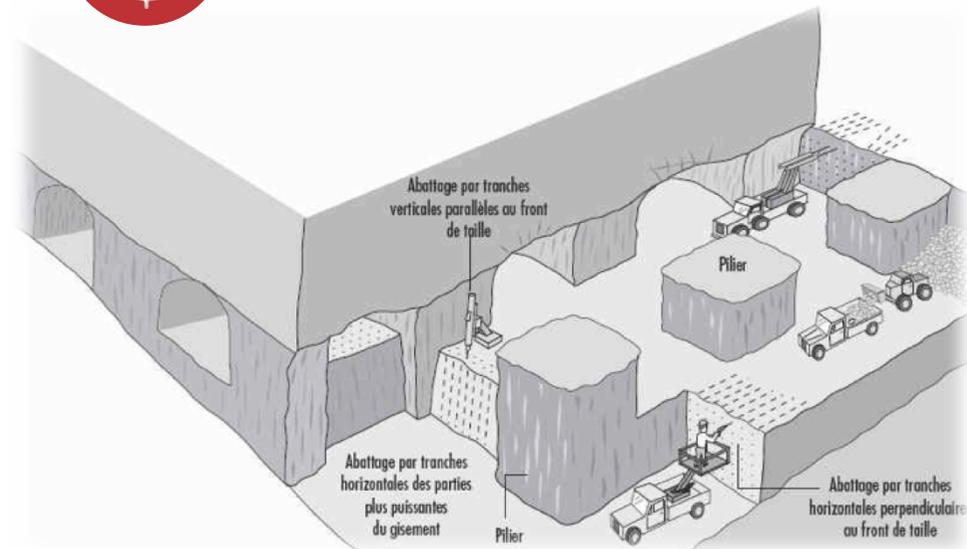
1400
ACTIVE CUSTOMERS



250
EMPLOYEES AT
YOUR SERVICE
IN THE WORLD



Leader in mines and
underground works



Key dates

Ambitious partners to support our projects

2008



2014



bpifrance, partenaire de confiance des entrepreneurs

1975



Création of Continental Industrie

1984



Partnership with 20 countries

1991



Acquisition of Wagner by Atlas Copco.
Aramine stays an official distributor

1994



Groupe Melkonian
Creation
Continental Industrie becomes ARAMINE

1997



Reman division creation

2006



Launch of a range of Narrow vein loaders

2014



T1600, 15T mineTruck launch

2016



1st battery powered miniLoader, L120B

2017



T500D & T1601C



Partnership

2018



Battery powered miniLoader, L140B

2019

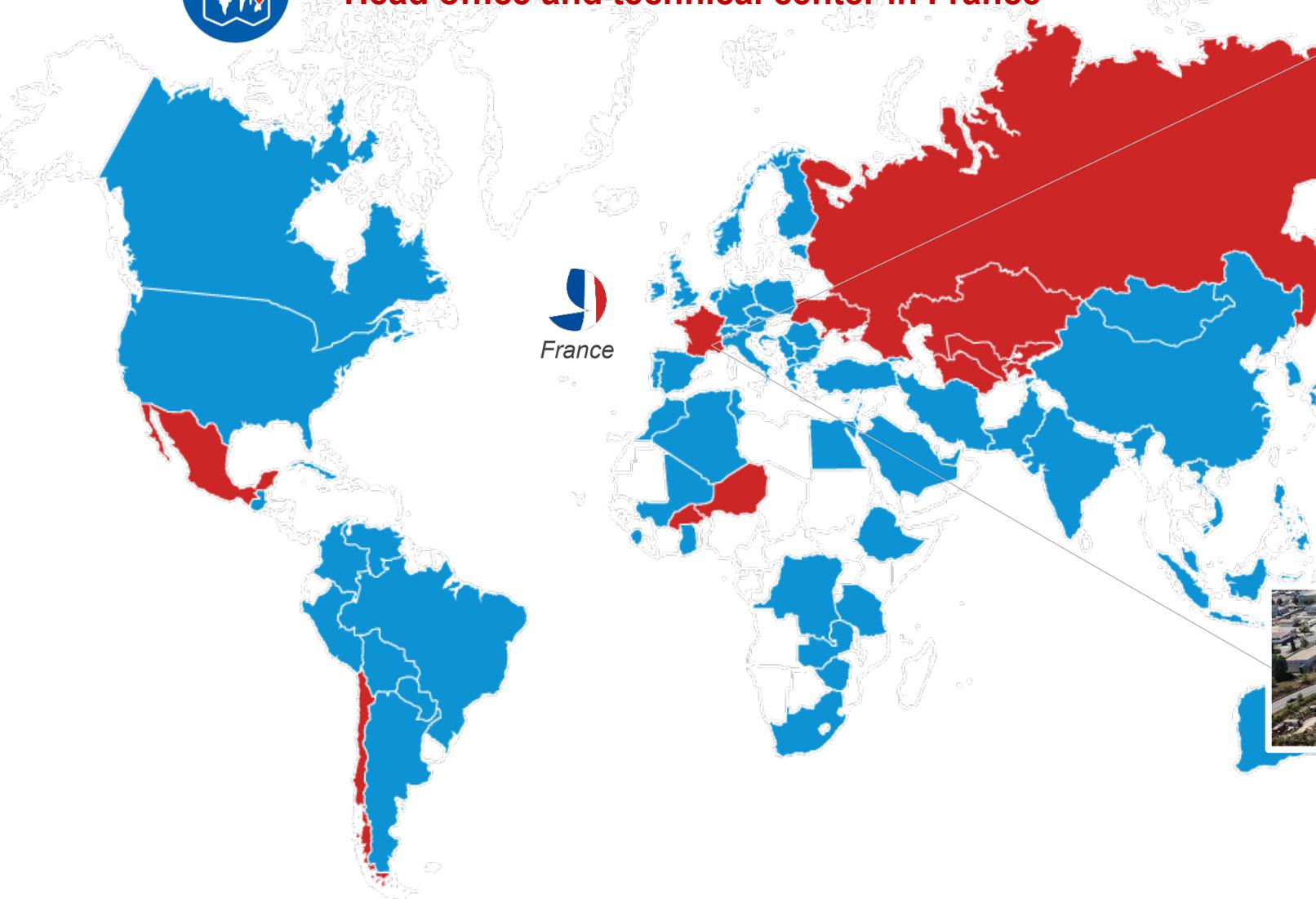


QRS New technology

International localization



**International network,
Head office and technical center in France**



*Head office and warehouse
Aix en Provence- les Milles*



Logistic center **6 000 m2**
3 warehouses in the world

2,5 hectares



Technical Center Gardanne

**+45 DEALERS
AND AGENTS**



3 Activities

EQUIPMENT

Narrow vein mining equipment manufacturer, remanufactured machine program, Service and maintenance.

OES PARTS

Solution of genuine spare parts, full components services and accessories from different brands.

DISTRIBUTION

Official distributor of ATLAS COPCO, EPIROC, NORMET, BTI in targeted geographical areas.
Service and maintenance.





EQUIPMENT

Narrow vein mining equipment manufacturer, remanufactured machine program, service and maintenance.

An unique and innovative range

3 Types of machines
Types of energies

NARROW VEIN APPLICATION



Galleries from 4 to 15 sqm
Safety
Competitiveness
Productivity

+1 000
sold machines



I.1 | EQUIPMENT • Aramine range

Loaders



L 110



L 130



L 140



L 150

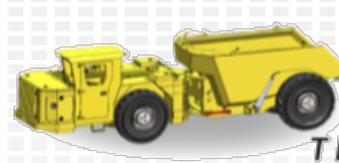
Trucks



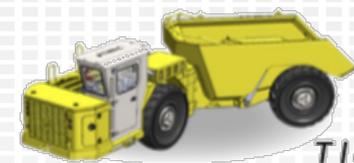
T500D



T160IM

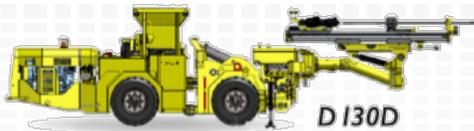


T160IC



T180IC

Drill rigs



D 130D



DM90I HDE

DIESEL

ELECTRIC

BATTERY



Products always more respectful of the environment



14 models
Dozen of options



INNOVATION AT THE HEART OF ARAMINE



400 MACHINES provided through the world...



- *Manufacturer compliant technical documentation*
- *Genuine spare parts*
- *Same performances as original machines*
- *International warranty*



Genuine spare parts Using exclusively OEM spare Parts Original Performance to follow specifications Guarantee to follow originalspec Competitive prices Worldwide warranty Fast delivery



I.2 | EQUIPMENT • Remanufactured as new

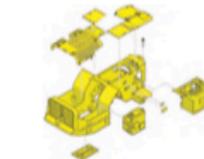
QUALITY CHART ARAMINE APPROVED PROCESS

⊕ Remanufacturing process ⊕ Technical documentations ⊕ Stands start up and follow up



Transfer to a rebuilt center

CHASSIS & STRUCTURE



GENERAL

- Machine fully disassembled
- Sandblasted pieces
- Inspect all weldments and repair as needed
- Inspect the thickness of all plates and repair as needed
- Repair or replace all damaged pieces
- New fasteners (bolts, nuts, washers...)
- Paint all the pieces separately with high quality polyurethane or epoxy



BUCKET

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- New blade and side cutter
- Adjust capacity to the customer's ore density
- Inspect and replace the wearing parts as needed



TANKS

- Inspect, test and repair as needed
- 6 months warranty

BOOM

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- New boom stops

LOAD FRAME

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- New boom and steering stops

CENTRAL ARTICULATION

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- Inspect lubrication lines
- Adjustment per manufacturer recommendations

POWER FRAME

- New and genuine pins, bushing, sleeves
- Repair rear axle oscillating area as required
- Repair damaged fenders, hoods, rear engine door and protections.
- New or rebuilt Canopy (Rops/Fops if needed)
- Inspect and repair engine and transmission mounts
- Inspect and rebuild as needed the operator compartment



TANKS

- Inspect, test and repair as needed
- 6 months warranty



ENGINE

- Standard Exchange engine
- Certification will be supplied by Aramine to attest that the engine has been rebuilt and bench tested by the original manufacturer
- Manufacturer international warranty
- Engine special customization, see options



ENGINE TO TRANSMISSION COUPLING

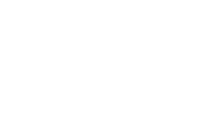
- New flexplate or other original coupling

DRIVE LINE

- Replace all universal joints
- Inspect condition and replace if needed
- Balance drive line

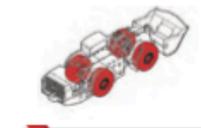
AXLES

- Aramine standard exchange component
- New and genuine bearings, seals, and gaskets
- New fasteners and wheel studs
- Replace all worn or suspected parts, by genuine ones (gear, pinion gears, planetary gears, axle shafts...)
- Brakes hydraulic test
- Complete axle assembly quality test



TRANSMISSION

- Aramine Standard Exchange Component
- New and genuine bearings, clutch discs, seals, and gaskets
- Replace all worn or suspected parts, by genuine ones (gears, shafts, clutch supports, clutch drums...)
- Certification supplied to attest transmission rebuilt and bench tested



TORQUE CONVERTOR

- Aramine Standard Exchange Component
- New and genuine bearings, seals, and gaskets.
- Tested on dynamometer test bench upon original specifications
- Certification supplied to attest torque converter rebuilt and bench tested

TIRES

- New tires for Mining Application (Michelin X-Miny type or equivalent)



ELECTRICITY

- New electrical harness
- New gauges and lights
- New starter and alternator
- Refitted dashboard with new component and new ha



HYDRAULIC PUMPS

- New or approved component



HYDRAULIC VALVES

- New or approved component



HOSES

- New, according with original specifications of the machine
- JIC or ORS Type fittings



HYDRAULIC CYLINDERS

- New or Exchange component with original specifications
- New bushings
- Bench tested

BRAKE ACCUMULATORS

- New or approved component



OPERATOR CABIN AND CONTROLS

- New seat and safety belt
- Complete inspection
- New safety tag and instructions

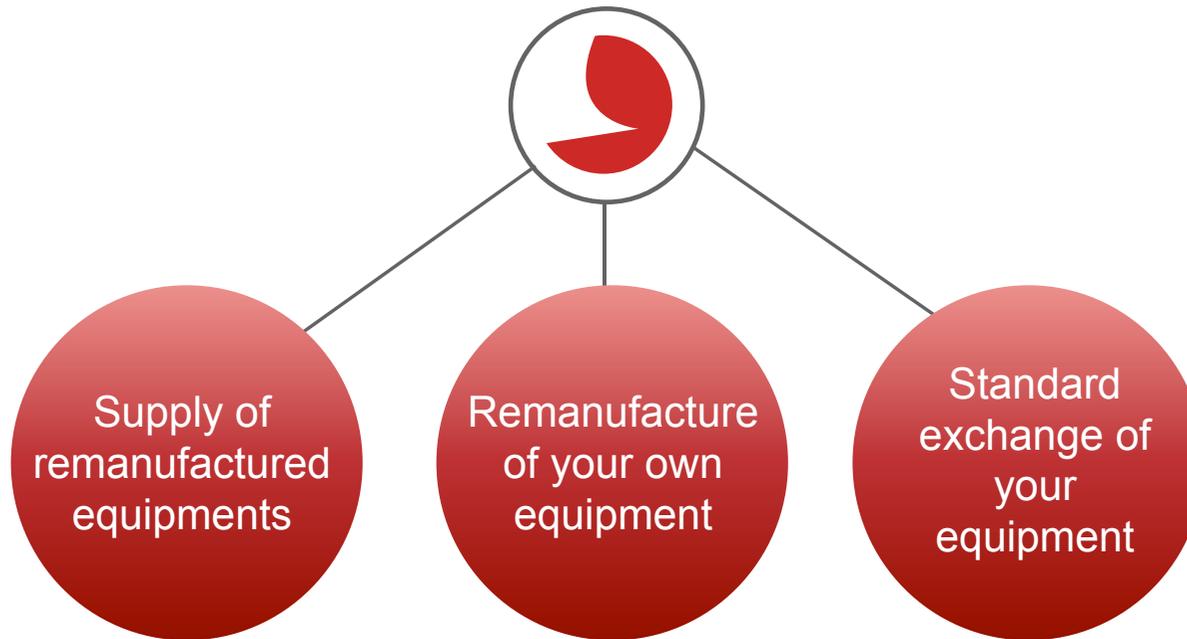
TESTS

- Adjust engine rpm high, idle, and stall.
- Adjust hydraulic pressure
- Adjust control linkage
- Adjust stops
- Security check up and security ISO label set
- Official Aramine test report
- 4 hours full test of each machine on real test track



Find our available machines on our website

3 solutions fitting your needs



QUALITY



ECONOMY



ECO-FRIENDLY



WARRANTY



I.3 | EQUIPMENT • Revised machines



Very Low hours machine on Inventory



Find our
available
machines on
our website





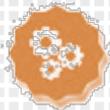
OES PARTS

Solution of genuine spare parts, full components services and accessories from different brands.

III.1 | OES PARTS • Introduction



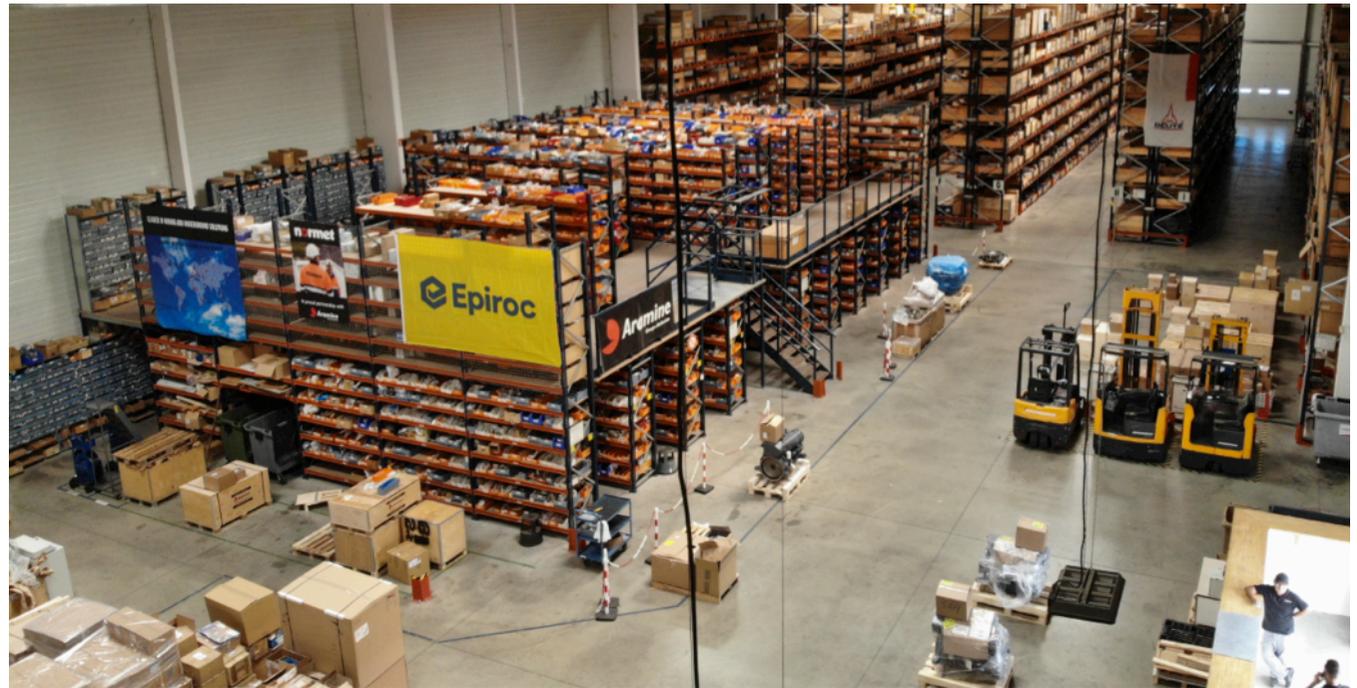
Logistic center of 6 000 sqm
3 warehouses in the world



1.500.000 references
computerized



10 millions € of
stock



SOLUTIONS FOR MINING
MAINTENANCE AND REPAIRS



III.2 | OES PARTS • New



Exhaust pipes and purifiers



Engines



Axles



Gear boxes



Drivelines and flanges



Rims



Bushings



Buckets



Electrical components



Air and hydraulic filters



Power train



Frame parts



Electrical parts



Radiators



Lights



Drillings



Cylinders



Pins



Hydraulic components



Availability



Quality



Economy



Reactive support



Quality



Economy

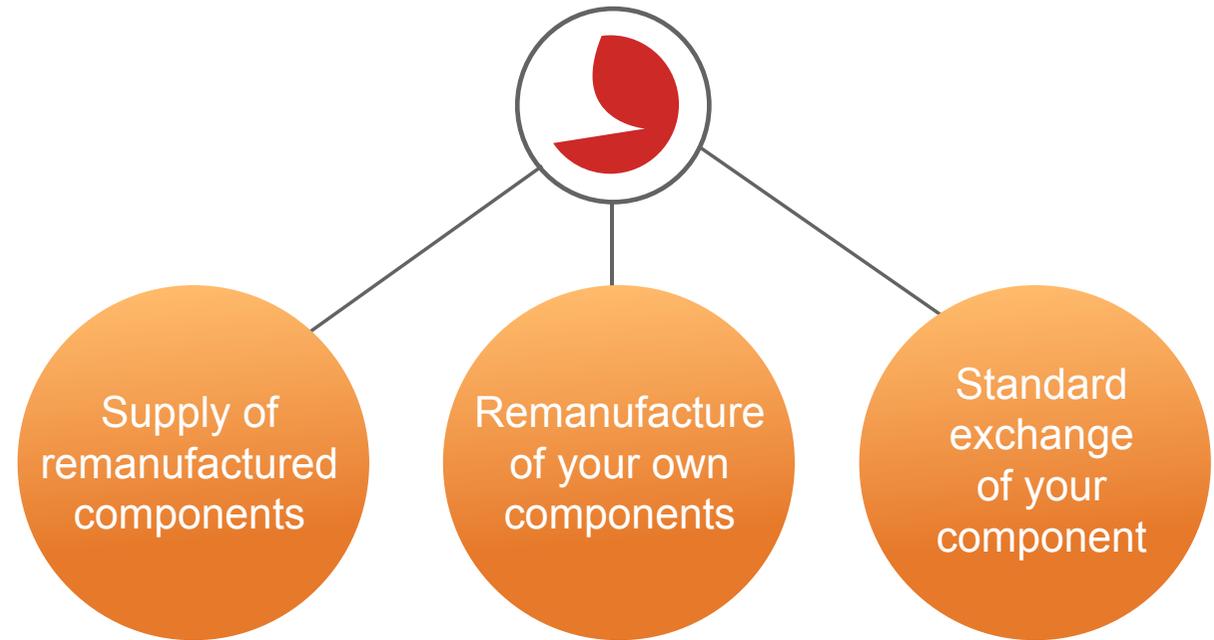


Warranty



Eco-friendly

3 solutions fitting your needs



OEM SPARE PARTS



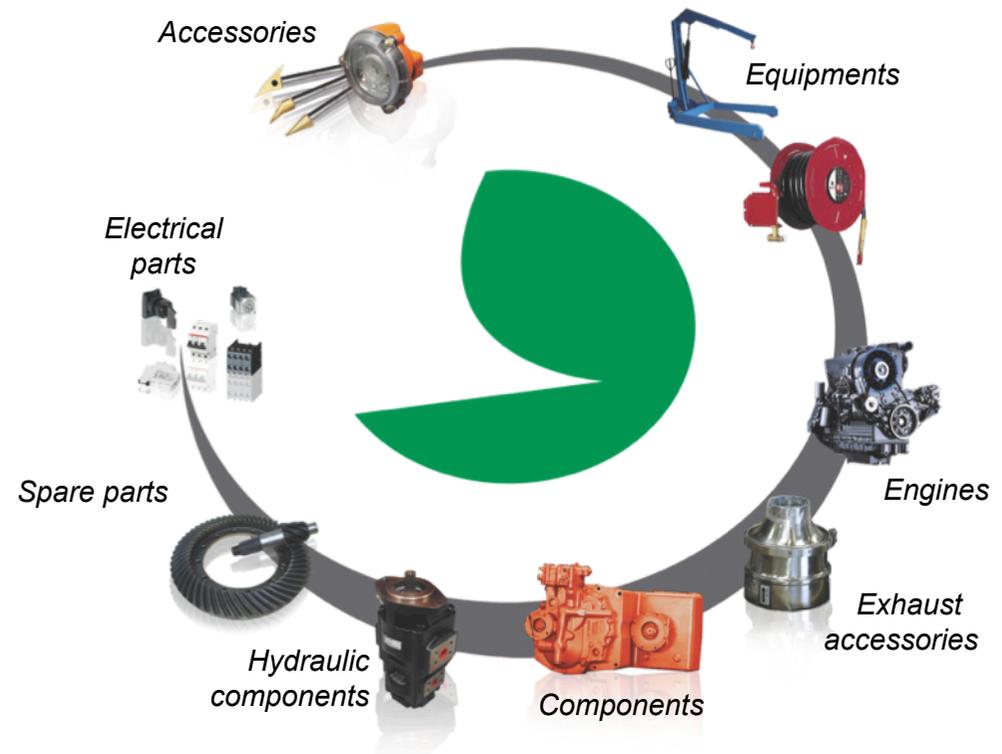
Open Pit

Genuine Spare Parts



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PROCUREMENT CUSTOMIZED SOLUTION & INTERNATIONAL OUTSOURCING LOGISTIC





DISTRIBUTION

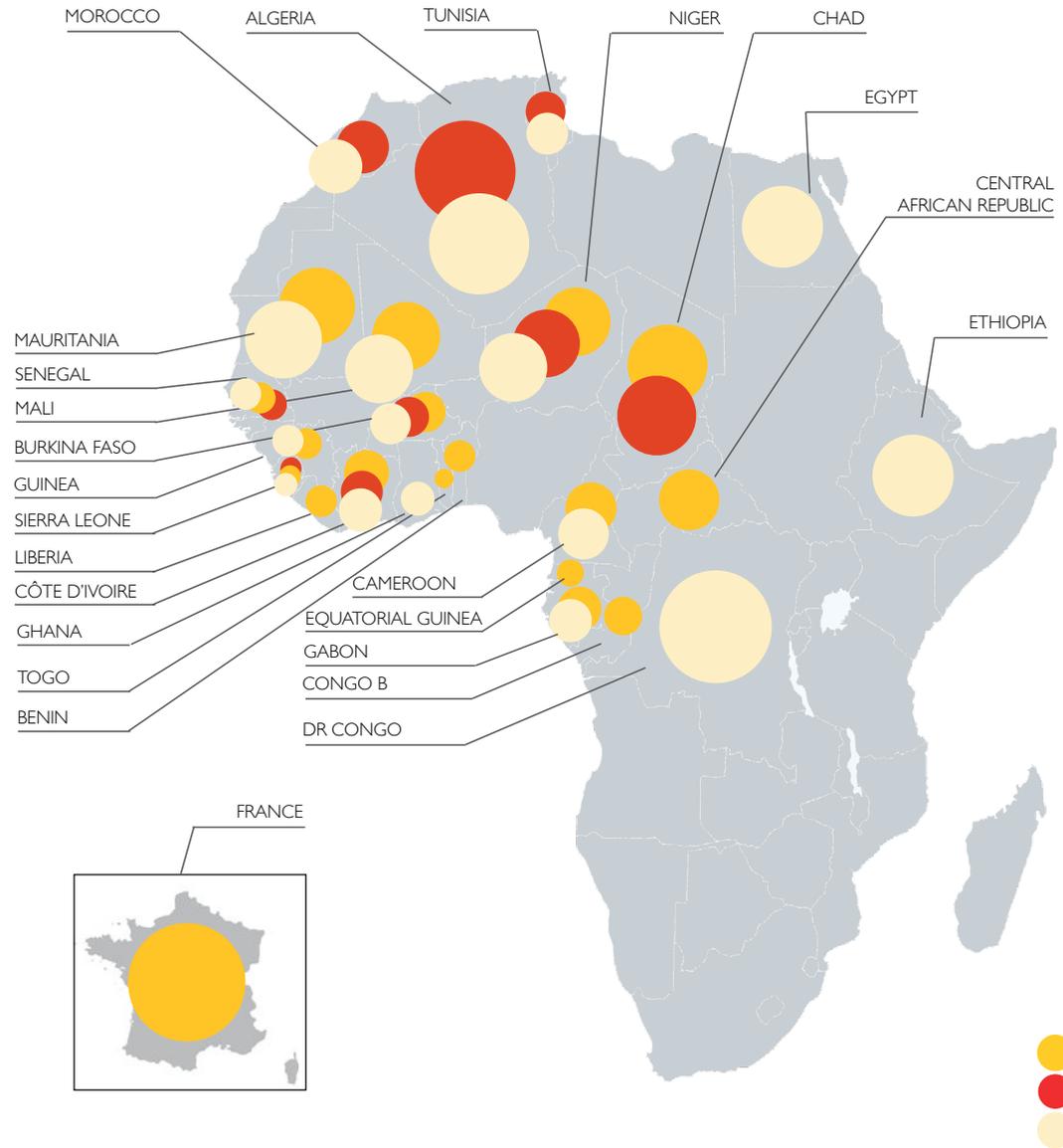
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Service and maintenance.

II. DISTRIBUTION • Brands

 **Epiroc**
Partner

normet

 **BTi**
an Astec Industries Co.
BREAKER TECHNOLOGY



The key player in the distribution
of world-renowned brands

Mining and construction products and equipment



Whether you need to extract, transport, process or demolish more effectively, the full line of underground and surface mining equipment sets the standard in an increasingly competitive industry. This offer covers drilling, cutting, loading and transporting rocks, aeration and material handling, all supported by 24/7 service, drilling tools and technical expertise.



In authorized countries only

Equipment for underground mines and tunnels



A fast-growing technology company, Normet provides complete technical solutions for the improvement of underground construction and mining processes. From design to production to application, Normet solutions are developed based on the well-being of people and respect for the environment.



Leaders in Rock Breaking Technology



BTi manufactures and distributes a wide range of mine, quarry, construction and demolition equipment. Specialized in hydraulic hammers, mobile rock breakers, stationary and portable rockbreaker systems, construction and demolition attachments. Applications range from primary and secondary sites involved in construction, demolition or recycling, to quarries and underground mining operations such as scaling and explosives loading.





OUR SERVICES

Human at the heart of our company
to serve you better

VI.1 | OUR SERVICES • Engineers and technicians



Audit & coaching



Assistance



Machine expertise



Trainings



Start-up



30 MULTILINGUAL
TECHNICIANS

Qualified experts with mechanical skills, hydraulic skills, ... to serve you anywhere in the world.



88 COUNTRIES
COVERED EVERYDAY

Reactivity

Competitiveness

Availability



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Aramine joins the Global Compact
of the United Nations and is committed
to develop its Social Responsibility



Thank you

