



COMMITMENTS PRODUCT CLEANLINESS FACILITY MANAGER RENEWABLE LUBRICANT 1. HIGH HSE STANDARDS ENERGY SOLUTIONS OPTIMIZER HSE ENERGY AUDIT 2. RELIABLE SUPPLY OF HIGH QUALITY PRODUCTS & SERVICES **POWER & OCEAN** 3. COST IMPROVEMENT (TCO) **PROCESS PLANTS DEPOT SOLUTION DEPOT** & ENERGY EFFICIENCY ELIXORE DILUENT LUBRICLEAN OPEN GEARS 4. REDUCED ENVIRONMENTAL IMPACT / CSR **SMART TANK DEPOT SOLUTION** 5. INNOVATION & DIGITAL TOOLS ENERGY EFFICIENCY AUDIT SAFT BATTERIES **OPERATIONAL OPTIMIZER** PERFORMANCE EXPLOSIVES / BLASTANE WHERE IS MY TRUCK? RENEWABLE ENERGY SOLUTIONS **TotalEnergies SERVICE STATION & DEPOT REACHING BEYOND** LOCAL COMMUNITY **FILTRATION** OFFGRID SOLAR SOLUTIONS MINING SITE **ENERGY** LUBRICANTS RUBIA WORKS **TRANSITION** SAFT BATTERIES **INLAND SUPPLY DEPOT SOLUTION** TIRE SAVER SHIELD SAFETY PATROM ROAD DELIVERY TCO FUEL ECONOMY LUBRICANTS **REDUCTION*** *Total Cost of Ownership

P**3**

TotalEnergies' commitments

We add value by understanding your needs

After decades of working closely with the Mining Industry and servicing your energy needs, we better understand your key challenges. With these challenges in mind we have designed a range of solutions to address the 5 main areas of need.

HIGH HSE STANDARDS

TotalEnergies SAFETY RULES

- 12 HSE Golden Rules
- Transport security program (Patrom)
- Waste management
- HSE Audit
- Safety Training



RELIABLE SUPPLY OF HIGH QUALITY PRODUCTS & SERVICES

AN INTERNATIONAL NETWORK OF EXPERTS

- Change Management
- Field Operations
- Mining expertise
- Choice of products (lubricants, fuels, LPG, LNG, HFO, explosives, solvents, dust binder)

MANAGEMENT

- Consignment stock
- Depot management
- In-pit services
- Used oil analysis (Anac Oil Diagnosis)
- Maintenance software (TIGS)
- Filtration solution to ensure product cleanliness

TRAINING OF YOUR TEAMS

Gain in-field skills

MODULAR, MOBILE AND FLEXIBLE OFFER

Fixed, mobile and temporary tanks

OUALITY WARRANTY

- ISO certifications (amongst others)
- International standards (API, JASO, etc...)
- OEM approvals



COST IMPROVEMENT (TCO) & ENERGY EFFICIENCY

SUPPORT IN THE OPTIMIZATION OF YOUR VALUE CHAIN

- Multi-Energy Management (Optimizer)
- On-site cost control and energy consumption software
- Used oil analysis (Anac Oil Diagnosis)
- Stock management
- Lubricants rationalization
- Mega Tire Saver Shield
- Energy efficiency audit
- Dust Binder

REDUCED ENVIRONMENTAL IMPACT / CSR

REDUCED CO. EMISSIONS

- Solar and Wind energies
- Energy storage Saft batteries
- LNG, Hydrogen
- Environment friendly products

LOCAL COMMUNITY SOLAR SOLUTIONS

CHOICE OF SUITABLE PRODUCTS

- Premium fuel for better engine performance (Excellium)
- Fuel Economy lube (reduced consumption)
- Rubia Works (extended drain interval) and off road lubricants
- Industrial lubricants
- Lubriclean EP for open gears
- Elixore diluent for hydrometallurgy

STAKEHOLDER TRAINING

Better use so less waste

INNOVATION & DIGITAL TOOLS

INNOVATIVE SOFTWARES TO OPTIMIZE PROCESSES

- Multi-Energy management (Optimizer)
- Where Is My Truck?
- Monitor your stock (Smart Tank)
- Used oil analysis (Anac Oil Diagnosis)

Depot construction

The right storage facility adapted to your needs

A RANGE OF DEPOT SOLUTIONS
TO FIT YOUR NEEDS

TotalEnergies's in-house engineers help our customers size and design their fuel and lubricant depots according to the mine's operational needs with the highest level of safety standards.

TotalEnergies provides and builds different sizes of storage solutions: from mobile fuel tanks that can easily be moved to ensure a close proximity to the work site, to large fixed tanks which can last 50 years with optimal operation processes. TotalEnergies's dedicated technical experts will provide guidance every step of the way.



- Adapted to the project needs
- Optimized storage solution to ensure operational excellence
- Safe facilities built in accordance with international standards for fuel





• Decreased working capital requirement by not owning the stock



Depot management

Choose a turnkey solution to strengthen your performance

TotalEnergies manages the fuel and lubricant facilities with the highest level of safety standards and even provides consignment stock services. The depot is operated by professional and trained staff who can provide detailed reporting of volume usage with reconciliation between deliveries and dispensing.











HIGH PERFORMANCE PRODUCTS FOR EVERY APPLICATION



Excellium

The fuel that cleans your engine hour after hour

As heavy duty engines are sensitive to fouling, TotalEnergies Excellium helps to clean the injectors to keep optimum engine performances. A clean engine uses less fuel, pollutes less and lasts longer.



- Reduced fuel consumption
- Reduced CO₂ emissions

Improved engine life

NB: When bulk fuel delivery is not available in the country, TotalEnergies Excellium Concentrate Diesel will be offered as an additive to your current fuel.



Rubia Works

Improve engine protection and increase drain intervals

TotalEnergies Rubia Works is a range of dedicated mining engine oils to reduce time spent in maintenance and increase operating hours. With products meeting and exceeding the latest manufacturers' requirements, it is fortified in anti-wear and anti-oxidant agents for outstanding engine protection and extended drain intervals.



- Outstanding engine protection
- Extended oil drain intervals
- Lower fuel consumption and reduced CO₂ emissions (fuel economy grade)



Elixore

Aliphatic diluents dedicated to hydrometallurgy (sx-ew)

The Elixore range offers a comprehensive choice of perfectly inert, colorless and odorless diluents with ultra low aromatic content. Each product is tailored to provide the optimal balance between desired level of efficacy (viscosity) and necessary level of operator safety (high flashpoint).



- Superior extraction efficiency based on selectivity
- · Highly stable products for sustainable performance
- Environment friendly
- Improved working conditions
- Lower consumption



Blastane

Better explosive performance with reduced environmental impact

Applying high purity hydrocarbon fluids for ammonium nitrate explosives enables you to get better performances, improved working conditions for operators and reduced environmental impact. No aromatics, no odors, colorless and high emulsion stability will provide a cleaner and more efficient workplace.

BENEFITS:

- · Non-toxic for workers and the environment
- **Highly** stable for emulsion
- Better performances





Mega Tire Saver Shield

Increase tire life & improve equipment availability

Hutchinson, a TotalEnergies company, has developed Mega Tire Saver Shield to provide protection to the highly stressed tire side walls of vehicles used in industrial and mining environments: Mega Tire Saver Shield creates a barrier inbetween the tire sidewall and damaging terrain such as rocks, metal objects, rebar and other harmful debris.



- Protection against sidewall cuts
- Increased tire life and improve equipment availability
- Reduced tire cycle costs
- Improved safety by reducing frequency of extremely dangerous blowout events
- Ease of attachment with universal adapter that fits any wheel size











CONTINUOUS SUPPORT **ENSURING PEACE OF MIND**

Fluid cleanliness and contamination management

Meet OEM's warranty obligations and increase your equipment availability

TotalEnergies has strict loading and transportation procedures, coupled with a range of on-site filtration options for both fuel and lubricants, that not only help you meet the OEM warranty obligations, but also help increase your equipment availability and reduce your TCO.



- Reduced maintenance costs
- Increased equipment availability
- Improved equipment life time



Anac Oil Diagnosis

Optimize operating costs with predictive maintenance

The TotalEnergies Anac Oil Diagnosis program is a service designed for predictive maintenance. Based on millions of oil analyses performed on all kinds of equipment over several decades, Anac Oil Diagnosis offers diagnosis for preventive maintenance and optimization of lubricant usage, extending the oil drain intervals and increasing the lifespan of equipment.

BENEFITS:

- Prevention of failures and downtime
- Extended life of the equipment
- Optimized maintenance of vehicle fleet and equipment
- Reduced lubricant consumption



HSE energy audits

Personalized recommendations to improve HSE standards

TotalEnergies provides HSE audits that are tailored to your needs in order to improve and comply with the highest Health, Safety and Environment standards. Our specialists audit the full supply chain and operations to deliver a report with recommendations.



- Strengthen your performance with better energy consumption
- Safe workplace environment
- Strong HSEQ policies for hydrocarbon operations
- · Waste oil management
- Stringent transport policies
- Assessment for transition to low carbon energy





Safety management and Patrom standard for transport

Continued focus on developing a safety culture

TotalEnergies dispenses specific and continuous safety training to its staff in order to operate the depots with the highest safety standards providing a safe workplace for all workers on site. Our Patrom transportation program ensures petroleum products are transported safely through rigorous driver training and the consistent quality monitoring of the fleet.



- Safe workplace environment
- Continued focus on developing a safety culture on-site
- Guaranteed product quality through stringent transport policies









ADVANCED SOLUTIONS TO REDUCE YOUR TCO EVEN MORE





Fuel Economy lubricant range

Reduce fuel and electricity consumption

TotalEnergies has developed several solutions to lower energy consumption and environmental footprint on the mine. In the pit, a special FUEL ECONOMY engine oil, Fuel Economy FE, has proven to reduce fuel consumption by up to 1,89%. In the plant, synthetic **Carter SG**, can decrease electricity consumption by up to 5% on large gearboxes.



- Lower fuel consumption and reduced CO₂ emissions
- Lower electricity consumption
- Lower downtime due to refuelling





Lubriclean EP LUBRILOG Open gear cleaning

Clean your asset without stopping operations

TotalEnergies proposes a safe, unique and innovative product to clean open gears while the mills are still running, reducing downtime from several days to nil. Productivity is drastically increased and cleaning is facilitated, so that the user can verify the state of the gears at all times.

BENEFITS:

- Safer open gear cleaning
- **Up to** 48h of productivity increase per shutdown
- Cleaner open gears leading to reduced wear and longer life of the gear



Optimizer

The multi-energy management solution

Working with you to identify the profit killers on your site

Optimizer is an energy efficiency service combining both the support of our industry and energy experts and our digital platform. It consolidates all of your fuels, lubricants and electricity usage and consumption information, analyzes it for inefficiencies and gives you the information you need to help you take prompt action.



- Reduce ALL energy consumption and cut operational cost
- Tailormade dashboards for each division of the mine
- Real-time data consolidation, alerts and reports
- TotalEnergies experts team support for your continuous improvement plan
- Tracks your CO₂ emissions records







Smart Tank

Monitor your product stock levels 24/7

Smart Tank is a solution that uses IoT (Internet of Things) sensors so that you can remotely see your products stock levels via a 24/7 portal. How does it work? First, the sensors collect relevant data from your tanks and send it to the IoT Data hub. Then, the hub analyzes this information and makes it usable and exportable. Finally, Dataviz gives you a graphic representation of your data and sends you alerts when necessary.



- Logistics optimization: know your stock levels at all times
- Detection of leakages and fraud
- Real-time alert system
- Prompt order to avoid stock-outs













Where Is My Truck?

Real-time delivery tracking

Where Is My Truck? is a solution that gives you real-time information on the status of your TotalEnergies deliveries. It allows you to save time by reducing communications with TotalEnergies customer service, all while receiving a better quality of service.



- · Visibility of delivery status and truck availability
- **Information** is sent directly to your mobile phone by SMS or e-mail
- Secure application: a unique link for each delivery and each client

Energy efficiency audits

Personalized recommendations for energy efficiency

TotalEnergies provides energy efficiency audits that are tailored to your needs to help you save energy and money. Our specialists audit the full supply chain and operations to deliver a report with recommendations. We can also train your staff.



- Strengthen your performance with better energy consumption
- Respect the international standards for fuel facilities



EXPERTS HELPING YOU ON YOUR JOURNEY TO LOW CARBON ENERGIES

Renewable energy solutions

To reach your climate ambition

TotalEnergies expert teams develop on-site and off-site solutions to produce solar and wind electricity to help you reduce energy costs and environment impact. We are present across the entire energy value chain to fast track the deployment of solar technology for any size of industrial projects: buildings' roof solarization, floating PV for large water reservoirs, (which also reduces evaporation), large solar farms, and even a solar-hybrid to add on to your existing hydrocarbon power generation



- A complete offer, from design to installation commissioning, including operations and maintenance
- Expertise project financing and pre-project planning to assess the quality of resources on-site and optimize the energy mix
- Benefit from our experience with industrial and commercial customers and from our international footprint as the leading company in responsible energy



Saft batteries

for off-road vehicles and facilities of the mine

Saft's battery know-how is focused on specific Off-Road applications where electric propulsion ensures an efficient and sustainable operation that reduces vehicle running costs throughout an extended service life. These batteries electrify underground LDH mining trucks, providing safe, particule free, and dependable vehicle operation. Saft MWh container size energy storage systems can also support the grid, providing clean power for charging, and other grid services needed on mining sites. At last, Saft energy storage solves renewables' intermittency and allows them to be integrated into baseload resource planning.



- · Reduced ventilation, noise, and cooling
- Excellent life cycle
- Fast charging

https://www.saftbatteries.com









Offgrid solar solutions

Addressing your local community needs

Since 2010, TotalEnergies has been developing solar solutions to meet energy needs of people in emerging economies. The range of products includes "One Sunshine", a solar lamp for reading, working or getting around, the "Family Sunshine", a multi-purpose lamp for the house that can charge a phone, and the "Home Sunshine" kit, which includes 3 light points to illuminate the whole house, a radio and a torch. For professionals, they can choose solar street lamps which are completely autonomous and provide lighting for roads, building sites, warehouses...



- Environmental Friendly
- Fit for Purpose
- Affordable

https://accesstoenergy.totalenergies.com/





LNG small scale supply & Hydrogen

Among the lowest carbon available solutions

TotalEnergies is helping mining customers to support and develop energy transition projects providing LNG and green hydrogen for production and/or storage of power and heat, or as an alternative fuel for stationery or mobile equipements. The perfect fit with solar solutions to reach maximum energy efficiency and a minimum carbon footprint.

BENEFITS:

- The lowest carbon fossil solution available
- No sulphur content
- Safe and reliable technology
- Smooth consumption and emission tracking (mass-flow meters)

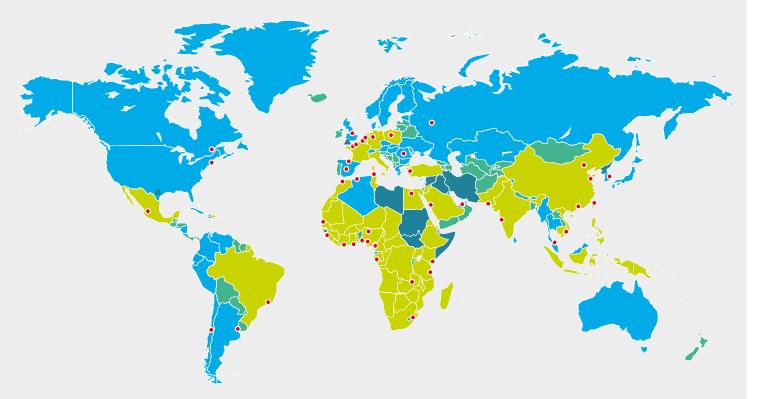


MORE THAN
600
MINING SITES
DELIVERED EVERY DAY

96 YEARS' EXPERIENCE

107
COUNTRIES WITH DIRECT PRESENCE

105 000 EMPLOYEES TO SERVE YOU



- Service station network and B2B activities
- Petroleum products for B2B activities
- Presence of TotalEnergies trademarks via distributors
- No TotalEnergies presence
- Lubricants blending plants
- ▲ Special fluids plants



Visit our Mining Solutions website

Worldwide presence of TotalEnergies

TotalEnergies is a broad energy company that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables and electricity. Our 105,000 employees are committed to energy that is ever more affordable, clean, reliable and accessible to as many people as possible. Active in more than 130 countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people.

