

Bank card password hard rule can only be 6 digits, wallet password is not required in this regard. As long as you can remember, the more complex and secure the setting.

Electrum Wallet is one of the most popular Bitcoin wallets and has been around for several years. However, Electrum wallet users often rely on Electrum servers, which presents some security and privacy trade-offs. If you use electrum personal servers, Electrum wallet users can connect locally to their own private servers, enjoying the convenience of Electrum without any trade-offs.

Test whether the client program checks the strength of the password entered by the user and prevents the user from setting a weak password.

Click Add Account, enter your name and password, and leave the default setting as Schnorrkel (sr25519)

Cryptocurrencies Wallet Electrum has lost nearly 250 bitcoins (approximately \$914,000) as a result of the new phishing attack. Electrum has confirmed the authenticity of the attack. An attacker could induce a user to provide password information by creating a fake wallet.

Then use Google or Firefox to open the mine background, enter the IP address on the page, and enter the username and password (all root) in the pop-up dialog box, and start setting up the mine pool.

BITCOIN, Jan. 8 (Reuters) - Popular wallet developer Electrum has released an emergency patch for a key vulnerability in bitcoin wallets. The vulnerability allows any website hosting an e-wallet to potentially steal a user's cryptocurrency. The vulnerability meant that the password was exposed in the JSONRPC interface, making the hacker completely in control of the wallet. However, the first patch failed to fix the problem, forcing Electrum to release an updated version again Sunday night.

You can click "Settings - Encrypted Wallet - Enter Password - OK" to complete the wallet password settings, after the setting is completed, if you need to make a payment to pick up money or transfer to others, you need a wallet password confirmation to complete the payment.

It turns out that the FTP account password used to upload local user information, with a normal Electrum Installer file, is used once the user installs it, and sensitive information entered under Electrum is sent to a remote malicious FTP server for reception.

After setting the private key protection password, tap Download and the system will automatically download the private key file named Wallet.json

If you haven't set up Electrum Wallet to be compatible with your phone wallet, you can use the private key to recover the Electrum wallet on your web wallet. Select Wallet - "Private Key" - "Export" on the Electrum wallet and you will export the file qtum-electrum-private-keys.csv or copy only one private key. Select Recover from WIF on your web wallet, paste the private key, and select Confirm. Check that the wallet address is correct. You may need to use Dump as a Key File to save the key file.

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TALENT MANAGEMENT



Human capital is vital for Vale and was instrumental in resuming the production and expansion pace. Vale is committed to growing in a structured and sustainable manner, preserving the financial health of the businesses, respecting the environment and investing in the workforce.

Investing in the workforce has been essential to resuming the pace of growth



Vale's main investment is in people

- Resuming business growth after the world economic crisis of 2009 was Vale's main challenge in 2010. Vale's human resources planning made it feasible to increase the workforce in 2010;
- In 2010, the total number of employees (with employment contracts of indefinite length) and outsourced workers (contractors working on long-term activities and projects) expanded by 33,500 to 174,000;
- About 75% of all Vale employees work in Brazil;
- Vale respects diversity and does not tolerate any kind of discrimination, in line with the company's Code of Ethical Conduct;
- In accordance with Vale's Remuneration Policy and Code of Ethical Conduct, there is no difference in base salaries between women and men who occupy the same role;
- Vale pays all of its employees a salary equal to or greater than the legal minimum requirement in each location;
- To strengthen a results-focused culture, each employee's pay package includes a variable remuneration component, reflecting individual, team, department and company performance, including in terms of sustainability issues;
- In line with its policy for attracting, developing and retaining talent, Vale's investment in education in Brazil exceeded US\$34 million in 2010;
- Through internal education initiatives, the company offers continuous learning opportunities for its employees, divided into three segments: operational technicians, specialist technicians and leaders;
- Valer – Vale Education operates globally in basic education, technical training, management training, corporate citizenship, culture and art, through partnerships with educational institutions.



Vale 2010 Sustainability Report

Executive Summary



EMISSIONS



In the Sustainability Report, Vale discloses all emissions¹ of sulfur oxides (SOx), nitrogen oxides (NOx) and particulate matter from stationary sources. These substances have no global effect and their impacts on air quality relate to local concentrations and conditions.

¹ Emissions of particulate matter, NOx and SOx related to acquired fertilizer assets incorporated by Vale in 2010 were not included.

More than
US\$125
million

invested to control particulate matter emissions in Tubarão (Espírito Santo, Brazil)

- Total emissions of particulate matter in 2010 were 6,600 metric tons, 29% higher than in 2009, mostly due to resumed production at pelletizing units. The most significant emissions are generated by nickel, aluminum, and pelletizing plants;
- Total NOx emissions were 110,000 metric tons in 2010, an increase of approximately 30% compared to 2009, due to growth in production and movements by Vale's own ships. Logistics and iron and nickel mining represented 74% of NOx emissions;
- Total emissions of sulfur oxides recorded in 2010 were 403,000 metric tons, resulting mainly from smelter plants and refineries that process sulfide ores (nickel and copper), followed by aluminum and pelletizing plants;
- Increase of approximately 25% in SOx emissions compared to 2009, caused by the return to normal smelter operations in Sudbury (Canada), increased movements by Vale's own vessels and the resumption of pelletizing operations in São Luís (Maranhão, Brazil), which do not run on natural gas.

Wind Fences

In 2010, Vale continued to install wind fences at Tubarão Complex in the state of Espírito Santo, Brazil. Wind fences are barriers built around stockyards to reduce wind speeds affecting stockpiles of materials, thereby reducing particulate emissions.

Work was undertaken at three locations in 2010: one at the stockyard serving pelletizing plants V to VII and two at the ore terminal stockyards, divided into an "Old Area" and "New Area." The wind fence at the stockyard of plants V to VII was completed in December 2010.

In 2011, the work will be completed at three yards: the "New Area" (April 2011), "Old Area" (February 2011) and coal stockyard (September 2011), totaling five stockyards with wind fences in place for an investment of more than US\$125 million.



HIGHLIGHTS IN 2010

Vale made a number of advances in 2010 as part of the process of continuously improving its sustainability management. After publishing global documents more directly related to sustainability, such as its Sustainable Development Policy, Human Rights Policy, and Accountabilities Norm Health, Safety and the Environment (HSE), in 2010 Vale published its global Health and Safety Policy. These actions confirm the company's commitment to sustainable development as part of its strategy.



Vale is the first mining company to join the São Paulo Stock Exchange's Corporate Sustainability Index (*Índice de Sustentabilidade Empresarial*, ISE). Sustainability issues have received growing attention from investors as essential factors to companies' long-term financial success. This trend has been seen in the Brazilian market, as exemplified by the performance of the ISE, which rose 5.8% during 2010, while the São Paulo Stock Exchange's Index (Ibovespa) increased by 1.04%.

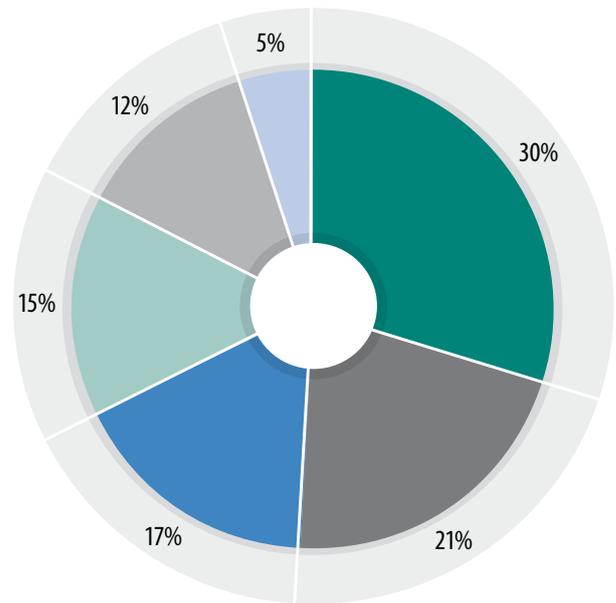
Sustainability Action Plan (SAP)

Created in 2008, the SAP was based on the identification of opportunities for improvement following the production of the first Sustainability Report, based on Global Reporting Initiative (GRI) methodology adopted by Vale since 2007. This program sets targets and actions for improving performance related to sustainability indicators.

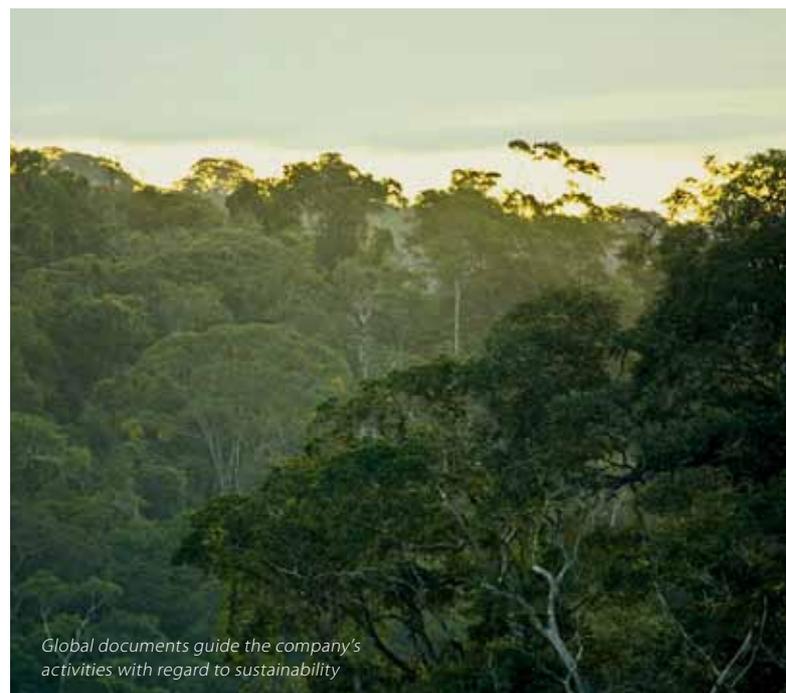
The range of business units covered by SAP indicators is being extended progressively. The inclusion of SAP targets as one of the criteria for variable remuneration in 2010 reflects business areas' commitment to the permanent improvement of results and advances in Vale's sustainability management.

Vale plans to invest approximately US\$335 million¹ in initiatives set out in the SAP, between 2010 and 2012. There are plans for 880 actions to improve indicators, particularly related to reducing the generation of hazardous waste and more efficient use of natural resources such as water and energy.

Breakdown of Actions per Indicator



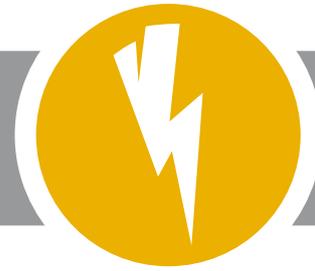
- Generation of Hazardous Waste
- Water Withdrawal
- Direct Energy Consumption
- Reused/Recycled Water
- Indirect Energy Consumption
- Greenhouse Gas Emissions



Global documents guide the company's activities with regard to sustainability

¹ Figures converted from Brazilian reais to US dollars at an average exchange rate of 1.7593.

ENERGY



Ensuring energy availability is a priority of the Energy Department at Vale. The company seeks solutions aligned with its Corporate Guidelines on Climate Changes and Carbon in four areas: the development of new renewable energy sources, the establishment of consumption reduction mechanisms, the search for energy supplies to ensure the sustainability and

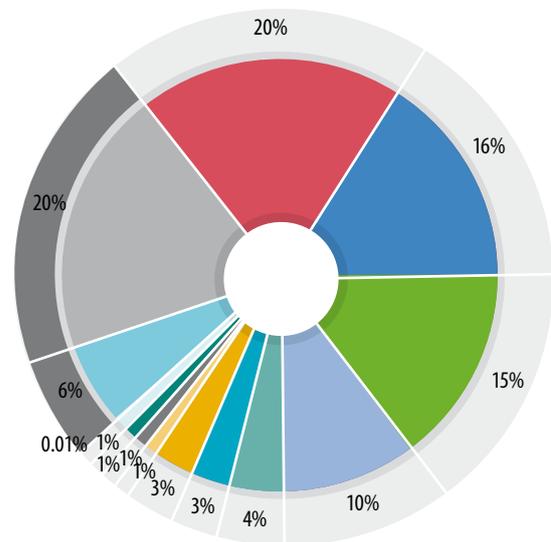
competitiveness of operations, and the generation of value throughout the development of mining projects through more reliable energy solutions. Every year, new initiatives focused on the use of renewable energy sources and the systemization of information are conducted to assist in strategic decision making and promote the reduction of operational risks.

32%

of electricity demand generated by Vale's own sources

- Total consumption of electricity was 22 TWh, 32% (6 TWh) of which was generated by Vale's own plants, thermal generators and cogeneration facilities;
- Consumption of direct energy totaled 199,000 terajoules (TJ), 56% up on the previous year;
- Renewable energy usage rose 8%. Vale did not use any charcoal in 2010, but biomass was used for the first time and biodiesel and ethanol consumption rose;
- To mitigate natural gas price volatility and supply risks, Vale has an exploration portfolio composed of 22 blocks in four oil basins in Brazil. The company is a member of a consortium that has so far drilled 11 offshore wells in the Santos and Espírito Santo basins;
- The acquisition of Vale Fertilizantes contributed to the diversification of Vale's energy supplies, with the consumption of new fuels such as biomass, light refinery hydrocarbons, off gas and methanol;
- Partnership with BNDES to develop clean technologies, through Vale Soluções em Energia (VSE);
- Implementation of 22 energy efficiency projects, in areas ranging from leak repairs to the replacement of equipment.

Breakdown of Total Energy Sources in 2010 (Total = 267,000 TJ)



Indirect energy

- Acquired electricity – renewable ¹
- Acquired electricity - others ²

Direct energy

- Fuel oil
- Diesel
- Coal
- Natural Gas
- Others³
- Hydroelectric
- Shipping Fuels⁴
- Off Gas
- Biomass
- Biodiesel (B100)
- Light Refinery Hydrocarbons
- Ethanol

There was no charcoal consumption in 2010.

¹ Hydroelectric and biomass.

² Nuclear and thermal.

³ Kerosene, LPG/Propane, Gasoline, Coke, CO rich gas, Propane, Residual Oil, Methanol and Jet Fuel.

⁴ Intermediate Fuel Oil (IFO) and Marine Gas Oil (MGO).

MISSION

To transform mineral resources into prosperity and sustainable development

Message from the Board of Directors

While obtaining record results in 2010, Vale also advanced in its mission to transform mineral resources into prosperity and sustainable development and in its aim to become a global sustainability agent.

In 2010, Vale reported record operating revenues of US\$46.5 billion, operating income of US\$21.7 billion as measured by EBIT (earnings before interest and taxes), an operating margin of 47.9% and net income attributable to the company's shareholders of US\$17.3 billion.

Vale invested US\$12.7 billion in new opportunities for growth and the maintenance of existing assets, delivering six projects in 2010. Another US\$6.7 billion financed acquisitions of assets. US\$5 billion of capital was returned to shareholders – US\$3 billion in dividend distribution and US\$2 billion through a share buyback.

Demonstrating its commitment to sustainability, Vale invested US\$1.136 billion in corporate social responsibility, which represents 6.5% of net earnings. Vale aims at continuous engagement with its various stakeholders in different ways.

The company's corporate governance structure meets global requirements, promotes Vale's values and ensures alignment with best international management practices.

In 2010, Vale became the first mining company to join the São Paulo Stock Exchange's Corporate Sustainability Index (*Índice de Sustentabilidade Empresarial, ISE*), which is composed of the shares of companies committed to sustainability and social responsibility in their business practices.

Vale also listed for trading on the Hong Kong Stock Exchange (HKEx), one of Asia's most important stock exchanges, and the company maintained the internal control's certification required by the Sarbanes-Oxley Act.

On behalf of the Board of Directors and all shareholders, I thank the Executive Board and each of Vale's employees and partners for their performance and the results presented. Finally, I would like to emphasize Vale's corporate governance model, grounded in transparency, fairness and ethics, which has contributed greatly to Vale's positive trajectory. I am confident that the company will remain on the right path, committed to the ethical values that have always guided its conduct.

Ricardo Flores

Chairman of the Board of Directors



Message from the CEO

On May 22, 2011, I returned to Vale after two years away, now as Chief Executive Officer. I am more enthusiastic than ever before and ready to lead this great institution through its challenges and achievements. The company is now in an excellent position, both with regard to our own industry and compared to industry in general, thanks to the hard work of all our colleagues around the world and the capable management of my predecessor, Roger Agnelli.

Let us make the most of this great moment to prepare for future challenges. Vale's 2010 Sustainability Report is prepared according to the guidelines of the Global Reporting Initiative (GRI) and classified as A+, the maximum transparency level. It sets out information essential to the company's accountability in economic, environmental and social dimensions.

Our Sustainable Development Policy guides our activities, based on three pillars: being a Sustainable Operator, a Local Sustainable

Development Catalyst and a Global Sustainability Agent. In line with these principles, we act with socioeconomic and environmental responsibility wherever we are present throughout the lifecycle of our projects. We also aim to build a positive legacy, paying attention to global sustainability issues and contributing to the promotion of good practices.

In 2010, Vale achieved new records. We earned operating revenue of US\$46.5 billion and an operating income of US\$21.7 billion, and we invested US\$12.7 billion. Specifically in corporate social responsibility, Vale invested more than US\$1 billion.

I offer my sincere thanks to all of those, in the many locations where we are present, who have helped to strengthen Vale's commitment to sustainability by conducting their activities with greater transparency and continually improving our performance.

Murilo Ferreira

Chief Executive Officer

