What matters to Brazil?

Driving the Economy

- R$ 6.3 trillion GDP (-3.6%) in 2016 retraction since 2015 (-3.8%).
- New concession and privatization rules could attract investments of R$300 billion in privatization and R$100 billion in concessions.
- However, the processing industry’s share in GDP dropped from 27% in the 1980s to 11.8% in 2015.
- Brazil insertion in the global marketplace – 1.2% share of the global market (WTO); R$191 billion in merchandise / product exports.
- R$154.3 billion primary deficit in 2016.

Developing Local Jobs and Skills

- More than 13 million unemployed workers.
- #2/42 in the ranking of countries with the greatest difficulty finding qualified professionals.
- Only 700 engineers / scientists per million inhabitants. It is necessary to triple this number of professionals.
- R$29,000 GDP per capita.
- 40% of youngsters between the ages of 15 and 18 drop out of school due to a lack of interest.

Value-adding Innovations

- 206 million inhabitants and 8.5 million km² available to generate energy. 23% of generated energy are lost.
- 10% is the electrical sector target to increase the energy efficiency until 2030.
- Brazil is ranked #75/144 in competitiveness (WEF) with a need to improve innovation capacity.
- Industrial Productivity: US$11 is the GDP generated per worker/hour in Brazil (USA = US$67/h and Germany = US$57/h).
- Only 1.2% of GDP is invested in Science and Technology (in 2013 it amounted to 1.66%) and the goal is to reach 2% of GDP.

Sustaining the Environment

- Brazil is among the top five countries with the greatest CO₂ reduction potential, with emissions of 1.5 G ton of CO₂ and a reduction target of 43% by 2030. 73 GW increase in electricity generation by 2024.
- Increase 45% of renewable sources share in the energy grid.
- 13.3% of emissions come from the Transport sector.
- 37.5% of water is lost.

Improving quality of life

- Life expectancy of Brazilians is 75.2 years.
- 77% of the population depends on the public healthcare system. The government has the challenge of expanding the system and also reducing exam waiting time.
- Two-thirds of Brazilian workers utilize public transportation; 22% of Brazilians who use the public bus system spend >2 hours in traffic.

Supporting Transformation

- #79/166 in the corruption-perception ranking of countries according to NGO Transparency International and 3.4 is the average transparency score of Brazilian companies.
- #65/76 in the PISA Education ranking, scoring below-average in Math and Science; 4.7% of GDP (global average 3.7%);
- R$27.5 billion wasted annually in an inefficiency school system.
- 20% of working women have a university degree. They earn 62% less than men with the same educational level.
Siemens Value Map

Driving the economy

Siemens’ Contribution to GDP: Siemens contributes R$ 20.2 billion (0.4% of GDP 2015) in Gross Value-Added (direct, indirect and induced).

Developing Local Jobs and Skills

Job creation: 264 thousand jobs related to Siemens’ operations, of which 6,000 are direct jobs.

Training: Siemens Brazil invested R$22 million in employee training in 2015.

Customer training: >10,000 professionals from industrial-sector customers trained by Siemens.

Value-adding Innovation

Decentralized Energy: Siemens technology present in 19 power plants that benefit 450,000 people living in remote locations.

Energy Efficiency: Siemens solutions present in 200,000 telemetric points distributed along 120,000 km of national system transmission.

Siemens energy solutions reduce industrial consumption of Brazilian plants by 30%.

Sustaining the Environment

CO₂ Reduction: Siemens biomass and wind energy turbines help customers in Brazil to reduce 3 million tons of CO₂ emission/year.

Commitment to neutralize CO₂ by 2030: In 2016, Siemens Brazil’s operations reduced emissions by 32% in relation to 2014.

Improving quality of life

Healthcare: 84 thousand medical decisions made daily are based on results from Siemens equipment, which account for 30% of imaging exams performed in the country.

Urban Mobility: 60% of urban transportation electrified; 6.9 million passengers benefiting daily from Siemens technologies; 1st PPP subway line benefiting from a 20% more efficient system.

Supporting Transformation

Integrity: >4 thousand employees trained Benchmarking with >400 organizations/companies >US$3 million invested in Collective Actions of Integrity Pacts.

Siemens Foundation: Education: Project Experimento 21 cities; 550 professors; 20 thousand children.

Corporate Citizenship: 11 thousand hours of volunteering – 10% of employees 13 thousand people benefited.

Diversity and Equality: 30% of the work force are women, distributed as follows: 24% in plants (same % as men); 76% in offices (same % as men); 66% of women with undergraduate degree. Women have the same career conditions as men.

Support to key industries: Siemens presence in the country’s main industries: Pulp and Paper: supporting the production of 19 million tons/year of pulp; 40% of Automotive production (4 million automobiles/year) present in more than 100 Food & Beverage companies; 50% of Chemical production.

Energy Infrastructure: Siemens Brazil offers electrified railway cargo technology as an option for the country to overcome its infrastructure bottlenecks.

Cargo Transport Infrastructure: Siemens Brazil offers electrified railway cargo technology as an option for the country to overcome its infrastructure bottlenecks.

Education support: 80% of industrial automation academies in Brazil count on Siemens’ technological support.

Digitalization: 120 thousand Siemens software licenses operating in Brazilian industries.

Oil & Gas: Products, solutions and/or engineering present in two-thirds of oil platforms; 45% of oil & gas production; 100% of gas exploration infrastructure.

Support to key industries: Siemens presence in the country’s main industries: Pulp and Paper: supporting the production of 19 million tons/year of pulp; 40% of Automotive production (4 million automobiles/year) present in more than 100 Food & Beverage companies; 50% of Chemical production.

Energy Infrastructure: Siemens’ presence in energy generation, transmission and distribution.

Support to key industries: Siemens presence in the country’s main industries: Pulp and Paper: supporting the production of 19 million tons/year of pulp; 40% of Automotive production (4 million automobiles/year) present in more than 100 Food & Beverage companies; 50% of Chemical production.

Consumption Consciousness: 38.6 thousand MWh of electricity (4% reduction); 71.9 thousand m³ of water (3.5% rainwater); 6.7 thousand tons of waste generated (73% recycled).

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Urban Mobility: 60% of urban transportation electrified; 6.9 million passengers benefiting daily from Siemens technologies; 1st PPP subway line benefiting from a 20% more efficient system.

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