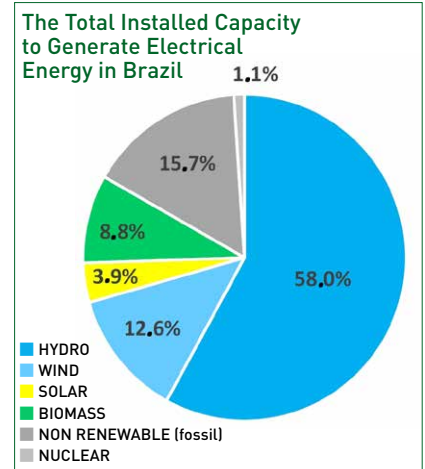


BRAZILIAN NEWS

Sun and Wind: Promising Fasteners Business Sources

Different from countries in the Northern hemisphere, during August the trade exhibitions did not stop in Brazil. So much so that Intersolar South America was held in August 2023. As is already known, Brazil has high levels of solar radiation, which turns it into a promising place to obtain infinite benefits from solar energy units from any places in this country. The recent Intersolar show had 530 exhibitors – who were providers of infrastructure, equipment, and services- and around 50 thousand visitors inside the event. However, the main obstacles to the progress in that sector are high equipment cost from government taxes, as well as regulatory uncertainties, according to some exhibitors. Still, according to the Ministry of Mines and Energy (MME) Q2 report, the solar energy has a share of 3.9% (33.5 GW) within the total installed capacity to generate electrical energy in Brazil. Soon after the Intersolar show was Brazil Wind Power (BWP) which opened its doors and welcomed wind-power related visitors. With more than 100 exhibitors and 6.5 thousand visitors, the BWP show was a event only smaller than the solar show.



However, in the show the most important topic was the expansion to operations offshore, which is about to be released by MME, involving a task force to unlock restrictions, and release several offshore wind energy generation projects (at sea). The expectation is that 78 new projects on standby will be approved for a new legal framework to proceed immediately. Among them are giants such as BP, Shell and Equinor. Currently, the capacity installed in Brazil are 26 GW, divided among 916 wind farms, and 10,178 wind turbines, according to ABEEólica (www.abeeolica.org.br), the local sector association. With the expected successful release, the current capacity can be doubled soon and a lot of fasteners will be in demand.

Brazilian Fastener Market Landscape Up to Q3

Analyzing the period from Q1 to Q3 in 2023, the Brazilian economic landscape has indicated a trend of decreased industrial production (-1.3%), and there are no big signs of impressive changes until the end of December. However, the estimated annual GDP increase are above 3%, pulled mainly by oil, gas, and iron mineral extractive activities with an 8.9% rise, and agribusiness up 17.9%. In several industrial sectors, some of them, such as domestic production of automobiles and motorcycles, have a stronger impact or serve as a reference for estimating the impact over fastener companies.

- **Motorcycle:** The production closed Q3 cumulating to 1,191,673 units, 12.24% higher than 1,061,643 units from the same period in 2022.
- **Automotive:** Overall, the 2023 cumulated production is 1,750,827 units, practically equal to 1,752,632 units in Q1 - Q3 2022. In the same period, passenger cars and light vehicles production was 1,663,707 units, 2.96% higher than 1,615,863 units in Q1 - Q3 2022.

Trucks and buses production is facing a “hangover” after a bad result in the same period of 2022. Comparing the production in Q1 - Q3 in 2022 and 2023, trucks had 116,675 units versus 71,765 units, down 38.4%; while buses had 23,824 units versus 15,355 units, down 35.5%.

Sources: www.agenciadenoticias.ibge.gov.br / www.anfavea.com.br / www.abraciclo.com.br

	Segments	Q1-Q3 2022	Q1-Q3 2023	Variation
 BRAZILIAN AUTOMOTIVE PRODUCTION Q1 - Q3 (2022 -2023)	Passenger cars and light vehicles	1,615,863	1,663,707	2.96%
	Trucks	116,675	71,765	-38.4%
	Buses	23,824	15,355	-35.5%
	Motorcycles	1,061,643	1,191,673	12.24%

Fastener Market Q3: Imports Vs. Exports

Comparison between 2022 and 2023 shows little differences.

EXPORT	US\$ million	Tons	Prices (US\$ FOB / Kg)
	135.77 (Q1-Q3 2022)	29,373.09	4.62
131.57 (Q1-Q3 2023)	23,111.26	5.69	
IMPORT	US\$ million	Tons	Prices (US\$ FOB / Kg)
	799.09 (Q1-Q3 2022)	156,581.6	5.1
751.23 (Q1-Q3 2023)	143,032.1	5.25	

During the last three 3 quarters in 2022 and 2023, the fastener inputs and outputs through the Brazilian harbors have shown a drop, but moderate.

- **Export:** In Q1 to Q3 2023, the export value of Brazilian fasteners was US\$ 131.57 million versus US 135.77 million in the same period of 2022, a fall of 3.09%. The export volume was 23,111.26 tons versus 29,373.09 tons in 2022, down 21.31%. Respectively, the FOB price per kg was US\$ 5.69 versus US\$ 4.62.
- **Import:** The fastener import value in Brazil was US\$ 751.23 million versus US 799.09 million in the same period of 2022, down 5.99%. The import volume was 143,032.1 tons versus 156,581.6 tons, down 8.65%. The FOB price per kg was US\$ 5.25 versus US\$ 5.1.




Peter Manfred Zwez Passed Away

"Mr. Peter Manfred Zwez (Aug. 05, 1938 - Oct. 01, 2023) developed the company ZWEZ-CHEMIE GmbH in Lindlar, Germany, into one of the leading suppliers of metal surface coatings, especially for cold forming, through his tireless and passionate commitment. He also successfully founded ZWEZ Quimica do Brasil Ltd. (Brazil) and ZWEZ Surface Products Pvt. Ltd. (India). In recognition of his extraordinary achievements, we will always honor his memory and continue to work in his spirit. Our deepest sympathy goes to his family, especially to his wife and children", as written on the company's website, by the advisory board and the staff from Zwez.




A few years ago, Peter took Brazil as his new home, in Pomerode Town, Santa Catarina State. He left us at 5:35 am of October 01, as informed by a local hospital.




The photo was taken by Revista do Parafuso's photographer, during Peter's lecture in Senafor (The International Forging Conference, Brazil), in October 2009.




Provided by Sergio Milatias, Editor Revista do Parafuso (The Fastener Brazil Magazine) milatias@revistadoparafuso.com.br / www.revistadoparafuso.com













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