

## CASE STORY



**THE CUSTOMER**  
Ecogetec, a leading Brazilian supplier of water-heating solutions.

**THE CHALLENGE**  
Save energy and money while boosting comfort and efficiency at resorts, water parks, hotels, clubs, and gyms throughout Brazil.

**THE SOLUTION**  
Medium- and large-capacity systems that utilize biomass rather than gas and electricity to heat water, for 80% energy savings.

**THE HEAT EXCHANGERS**  
Four SWEP B85Hx30 models were installed to heat water in changing rooms; seven B120TH models were used to heat three swimming pools.

**THE RESULTS**  
Reliable, consistent warm water, and nearly 80% energy savings.

## Efficient water heating at Recanto das Cachoeiras National Park – SWEP and Ecogetec

Brazil is a country of diverse landscapes, ecosystems, and cultures, making it a desirable tourist destination. A favorable climate also plays a role, luring both domestic and international tourists to the country's many water parks and resorts. One such resort is Recanto das Cachoeiras Park, located in Brotas-SP. The Park boasts waterfalls, trails, and panoramic views. It also offers horseback riding, a games room and changing room, as well as a 600 m<sup>3</sup> infinity pool, a children's pool, an adult pool, and a whirlpool, all of which rely on Ecogetec water-heating solutions.



Efficient water heating solution at Recanto das Cachoeiras National Park



SWEP BPHEs, installed onsite, provide necessary heating.



SWEP B85 and B120T

#### The role of SWEP BPHEs

For the Parque Recanto das Cachoeiras project, a total of eleven (11) SWEP brazed plate heat exchangers were installed throughout the property. Four (4) B85Hx30 models were used to heat the water in the changing rooms for bathing and seven (7) B120TH models were used to heat three swimming pools on the premises. SWEP's B85 model is a highly efficient heat exchanger with a higher thermal performance than any comparable product. It is the perfect choice for high-performance condensers and demanding heat transfer requirements. The large ports enable it to cope with high capacities.

The SWEP B120T model has been specially developed to operate in demanding heating and industrial applications, typically water-water applications, and oil coolers. The product has contributed to the rapid switch to brazed plate heat exchangers from traditional gasket plate heat exchangers and shell-and-tube solutions. Both models are well suited for the efficient heating solution required for this park.

#### Why choose SWEP?

Ecogetec has partnered with SWEP in the past as their chosen heat transfer solution in many heating applications. SWEP's vast experience covers comfort, pool, and tap water heating. Typical applications for SWEP brazed plate heat exchangers in Ecogetec systems are gas boilers, heat pumps, and solar heating, along with other decentralized heating technologies such as micro-combined heat and power systems and absorption heat pumps.

#### More About Ecogetec

Ecogetec is a Brazilian company that creates technology to transform biomass into heat for pool and tap water for hotels, motels, industries, hospitals and clubs. After years of study, the Ecogetec team has developed an exclusive reforestation-wood combustion system capable of concentrating material inside the heaters, which optimizes the wood-burning process. 100% of the energy generated inside the equipment is useable for heating. Thanks to a high-quality sealing system, Ecogetec heaters prevent the release of smoke and combustion byproducts into the environment. Ecogetec equipment meets all European standards.