

## KSB efficiency enhancement of *Palazzo Grassi* in Venice

Some of the most significant Italian historic monuments and museums have become more efficient, as well as environmentally friendly, thanks to KSB products, and have promoted, throughout the years, the perfect combination of culture and sustainability. A look at the present and, particularly, into the future that allowed some of the main art galleries and architectural works to modernize themselves, but always with an eye to the past.

One of the most important and wide projects of the beginning of 2016 was connected to the renovation of the building *Palazzo Grassi*<sup>1</sup> in Venice, a museum currently hosting François Pinault's collection of modern and contemporary art, which is one of the largest in the world. The decision for the renewal was made after a careful analysis of the past energy consumption that led to the necessity of the museum to renovate its systems with energy optimization as the main objective.

To meet the specific requirements of the museum we supplied a full range of valves and pumps: 131 shut-off and control valves (BOA Compact NG), 24 check valves (BOA RVK), 45 compensators (ECOLINE GE3), 29 strainers (BOA S) and 5 KSB Etabloc pumps with KSB SuPremE® motors, the IE4 synchronous reluctance motor with high efficiency (ErP Directive - Regulation 640/2009/EC). All pumps were equipped with PumpDrive, KSB's system for speed control, for a reliable and efficient operation in terms of energy saving, and PumpMeter, the monitoring device enabling a continuous monitoring of the pump's operating data. These products were all destined to the different heating, cooling, water and sanitary systems. Together with the supply of the new products, some maintenance works were made to some KSB old pumps.

*"Italy is a country with a very important art heritage. This is why the supplies made for some of the major museums and historic buildings were so relevant for KSB Italy. To mention some of the projects that involved our Company: La Galleria degli Uffizi in Florence, Musei Civici Ermitani in Padua, Teatro alla Scala in Milan, Villa Reale in Monza and Museo del '900 in Mestre (Venice). Among the many projects we have made, the supply for Palazzo Grassi in Venice is the one we feel more proud of. Thanks to the installation of high energy efficiency products, we carry on the environmental commitment of our company even in such culturally and historically rich locations"*- Guglielmo Cristao, Sales Director General Business Italy & Export.

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<sup>1</sup> Palazzo Grassi is a building located in the San Marco district in the city of Venice. It is characterized by two great facades, one facing the Grand Canal and the other facing Campo San Samuele, and stands out for its majesty and whiteness. It is one of the most famous Venetian buildings, as well as a venue for the best and most interesting art exhibitions; it is described as the last patrician building facing the Grand Canal before the fall of the Serenissima Repubblica di Venezia (Most Serene Republic of Venice). François Pinault's private collection is one of the five largest collections of modern and contemporary art in the world and is composed of paintings, sculptures, photographs and videos belonging to the different art movements of Arte Povera (poor or impoverished art), Post-Minimalism and Pop art. The collection gathers works of art by the most important and internationally-known artists. Furthermore, the museum organizes temporary exhibitions with artworks coming from other museums.

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