Designed around reliability
Ansaldo was established in 1853 to develop a national steam locomotive industry in Italy. From the beginning of the 1920 the company expanded its business by using technology developed internally to build generators for geothermal, hydroelectric and fossil power generation plant. From 1949 to 1989, Ansaldo produced and sold steam turbines and generators based on General Electric technology. In 1989, after the acquisition of Franco Tosi, a manufacturer of steam turbines licenced from Westinghouse, Ansaldo broke off its collaboration with General Electric and began working with ABB/BBC. In 2005, drawing on skills acquired over the years, Ansaldo Energia terminated all its partnerships and began to present itself on the global marketplace as an Original Equipment Manufacturer. Since 1950 more than 1300 generators have left the company's Genoa production facility for installation worldwide, among them more than 1000 units are air cooled generators (both round and salient pole rotors). Ansaldo Energia has also gained extensive experience in the design and construction of hydrogen and hydrogen-water cooled turbogenerators with a reference of more than 200 units since 1950s. Ansaldo Energia turbogenerators combine proven design, manufacturing and commissioning skills with the Company's well known flexibility in matching Clients needs with tailored solutions and customizations. Ansaldo Energia turbogenerators can be installed in various types of application including combined cycle, steam, geothermal, nuclear power plants, synchronous condensers and special test facilities (pulse generators). The “make-to-stock” production system for the main generator body results in reduced time to delivery for both complete units and spare parts. Through a dedicated R&D organization Ansaldo Energia portfolio is continuously upgraded and enhanced, exploiting extensive operating experience. The increased power boundary for the specific type of cooling, more flexible operating capabilities and excellent reliability are the result of R&D efforts.