A TEC Production & Services GmbH

We are part of A TEC Holding GmbH. (Ltd.), which is majority owned by German LOESCHE GmbH, registered and with headquarters located in Austria, is an engineering and technologies company with focus on optimization and efficiency improvement of cement plants. The major competence of A TEC lies in the pyroprocess of the cement kiln. A TEC’s expertise reaches from optimal process- and mechanical design to fuel optimization and alternative fuels implementation. With A TEC’s subsidiary “A TEC GRECO Combustion Services”, the company also offers state-of-the-art high efficiency burners for kiln and calciner, in recent years further developed especially with very complex design for firing nearly any kind of alternative fuels. The latest generation High-Momentum Low-NOX burner technology fulfils and even exceeds the stringent requirements of today’s cement kiln combustion.

Besides A TEC’s core business of cement plant optimization, A TEC provides consultancy and overall project management and supervision for Greenfield and Brownfield projects (e.g. EPCM), including assistance in tendering process and assistance with environmental and other local norms and standards.

Part of modern cement plant operation is the usage of alternative fuels. A TEC’s expertise in this field reaches back to the mid 1990’s and today, A TEC can offer the complete AF system for nearly any kind of solid and liquid waste materials including material handling, preparation, storage and feeding into the kiln.
Together with its subsidiary A TEC GRECO, the **optimum combustion system for alternative fuels** can be supplied. In addition, A TEC provides the usually **necessary modification of the pyroprocessing system** of the cement plant for firing alternative fuels, i.e. modification of **preheater, calciner** and accessory equipment. In most cases these modifications are required to assure **stable kiln operation and maximum gain on energy efficiency**.

In addition, A TEC offers high competence solutions for **process technological optimization and upgrade of tube mills** for raw meal-, coal- and clinker grinding. A TEC’s patented special cyclone “**HURRICLON®**” provides a unique high efficiency – low pressure drop cyclone for application in grinding circuits, preheater and clinker cooler de-dusting.

In total, A TEC has successfully **completed more than 450 cement plant optimization projects**, with all the “big players” in the industry, like Lafarge, Holcim, Cemex, Ital cementi and Heidelberg Cement placing orders regularly on A TEC since many years, even for very large projects.

In Ethiopia, A TEC has successfully completed several projects with Messebo Cement Factory on EPC basis and currently is in the final stage of completing a biomass handling system on turnkey basis. Several other similar projects, including one large biomass project at National Cement S.C., are in negotiation phase.

Since more than two years, **LOESCHE GmbH is a majority stake holder** in A TEC and thus the synergies of LOESCHES’ competences in grinding paired with A TEC’s competence in the pyro process give the clients worldwide highly efficient solutions for their cement plant optimization or for new greenfield projects.