

Optimizing thermal plants with level 2 automation solutions

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Identificativo proposta: **TODE20190827001** **RICHIEDI MAGGIORI INFORMAZIONI**

A German company focused on optimizing thermal processes with a level 2 automation systems software in the metal industry is looking for partners under a technical cooperation or commercial agreement with technical assistance to jointly improve the optimization of plant throughput as well as to achieve a reduction of energy consumption and material losses, and work towards a fully automated plant operation via big data algorithms and artificial intelligence.

As an asset-intensive industry, the metal industry is under continuous pressure to reduce costs, increase throughput, and achieve higher flexibility. This German company, founded in 1987 as a result of the alliance between a technical university and a steel producing company, focuses on optimizing thermal processes, mainly in the metal industry. They work for various companies in the steel and non-ferrous metals industry and are a supplier for plant construction companies. The company offers a comprehensive optimization solution for plants. It consists on the one hand of engineering, including thermal calculations, plant dimensioning, measurements and investigations in plants, consulting and planning. On the other hand, it consists of a software for level 2 automation systems for plants based on thermal models and application specific software for thermal processes. Their level 2 systems have been applied to around 70 plants in Europe and Asia. Since it is important to have an overview of the plant and it is important to be able to address modifications in various areas, it requires several partners working together during such project realizations. The company is therefore interested in finding partners with an industrial engineering, industrial automation or plant construction background to implement joint development projects on the basis of technical cooperation or commercial agreement with technical assistance. A new area of interest for this client is the development towards a fully automated plant operation and implementing up-to-date instruments of data processing like big data algorithms and artificial intelligence. In this area specifically, they are looking for artificial intelligence and big data development partners.

Riferimento Esterno: TODE20190827001

Tipo: Technology Offer

Paese: Germany

Presentazione: 03/09/2019

Ultimo aggiornamento: 12/09/2019

Scadenza: 12/09/2020