The plant builder’s partner

With its innovative nozzle solutions, Lechler is always involved in the introduction of new technologies and also in the continuous further development of conventional processes.

A well-founded knowledge of the industry

As an active member of many different national and international associations (VDMA, VDEH, AIST, S.E.A.I. & S.I., ATS and EUUnited) and via numerous technical publications, Lechler has become very familiar with the subject matter. Participation in EU research projects (RFCS) also has increasing Lechler’s technological competence as its goal. Of course, you as our client also profit from this. Significant changes to operating conditions with regard to throughput capacity and the product quality demands of modern materials can arise over the course of the very long service lives of metallurgical machinery. Today the production of a wide range of material qualities also demands a much greater flexibility in the operating procedures and in maintenance. This is where existing plants often reach their limits.

Besides the construction of new plants, one alternative can be the optimisation of existing ones. The most common reasons for this are:

- Identifying and remediying quality problems
- Improving ease of maintenance and lowering maintenance costs
- Increasing production by increasing the production speeds
- Changing the product formats and the material qualities (product mix)

In most cases, the decision involves a combination of the above reasons. It is therefore important for the aims to be clearly defined.

Lechler nozzle configuration

An optimum nozzle configuration is the main prerequisite for fulfilling the production and quality specifications of all plants.

Lechler system audits

Roll cooling in hot- and cold rolling mills (steel, aluminium and non-ferrous) and also secondary cooling in continuous casting machines for steel are very complex systems and form part of the complete production processes. The full optimisation potential can often be determined only via a precise study of all the important details. Lechler system audits include an evaluation of the existing production, performance and quality data, along with a carefully documented final report which, in addition to the collected and analysed data, also contains suggestions for optimising your system.