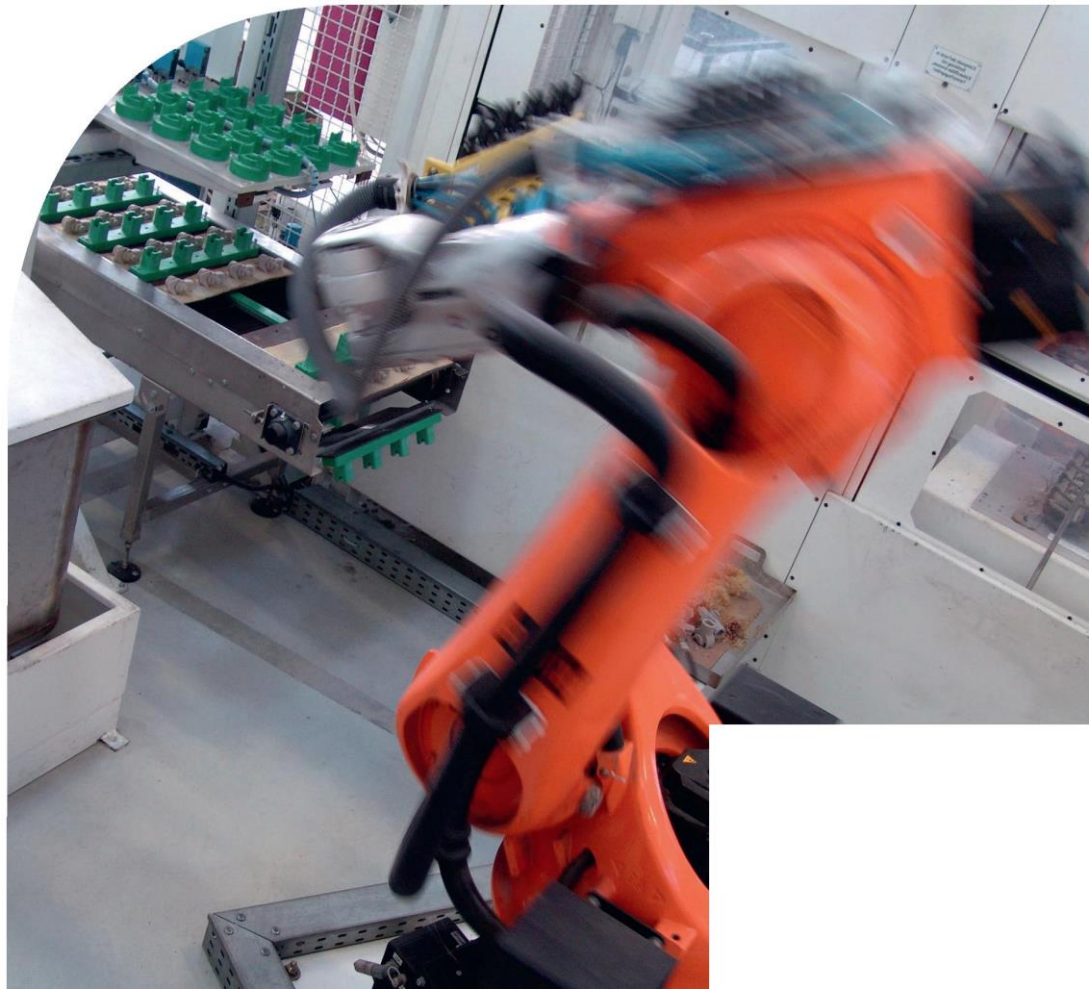




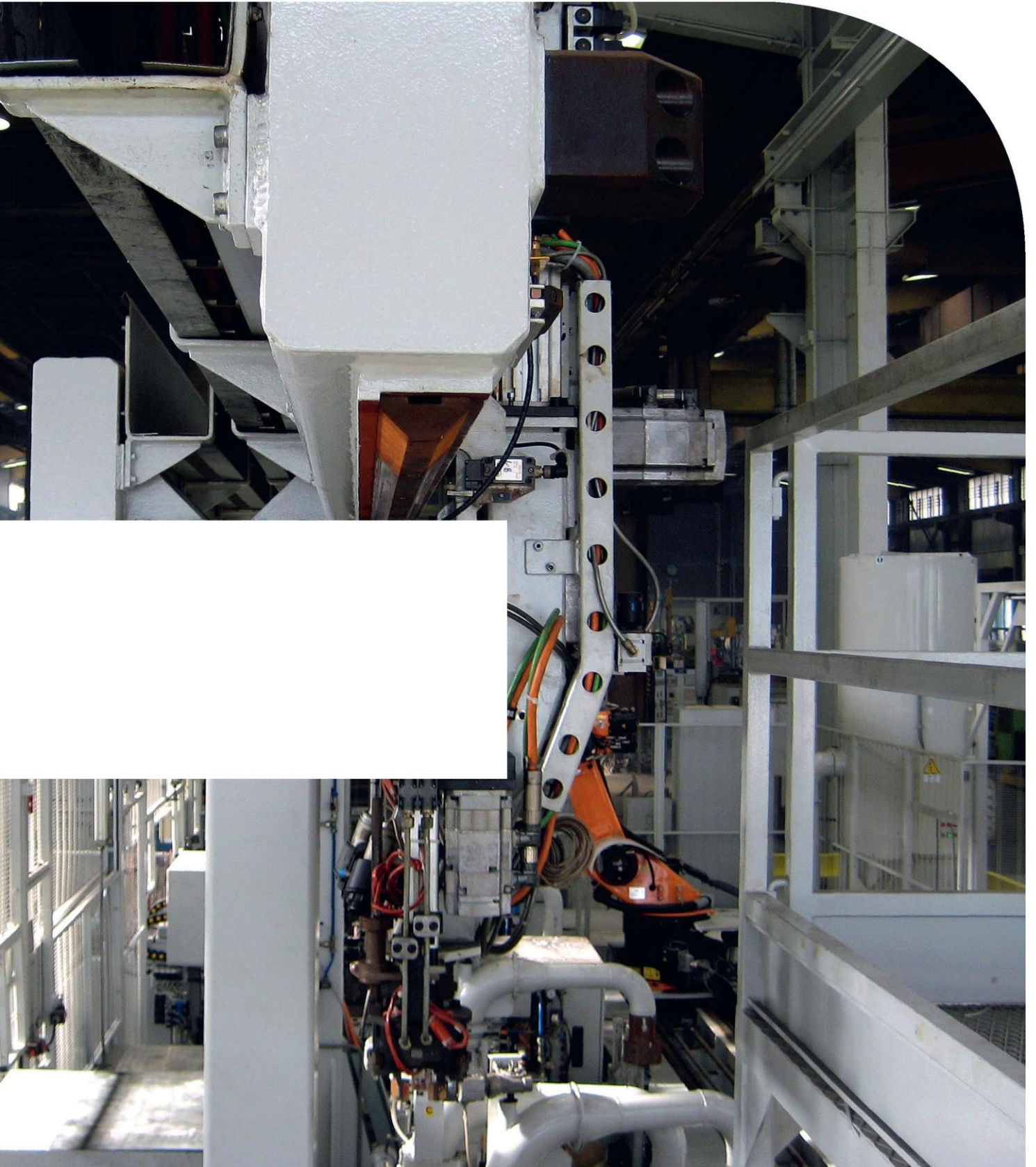
## analysis consulting planning

**MAC GmbH Deutschland | Consulting and Engineering** looks at things from a new angle. With our worldwide experience and expertise in the foundry and mechanical engineering industry, we help you to break new ground in your foundry projects. We support you in analysis, consulting and planning as well as in their practical implementation; regardless of whether it is the realisation of a cast part or a change in the production process. We solve the tasks assigned to us in a goal-oriented manner and accompany your projects until they are successfully completed.





Based on an ACTUAL analysis and a TARGET concept, we develop our approach. Creativity, experience, and expertise combined with tight project management guarantee optimal planning and realisation. We quickly think our way into the tasks at hand and know where the crucial points for successful intervention lie. Our know-how has been gained at all levels of management, in consulting, the planning of new building and conversion projects, production and the management itself. Interim and project management are part of our daily business.







MAC GmbH Deutschland is at home in foundry processes and regularly delivers innovative **planning and engineering solutions**. Even in mature processes, we are able to achieve even more effective results together with our customers. Here are a few keywords:

## intervention realisation support

**Aluminium and magnesium:** Sand casting with inorganic binders | permanent mould with inorganic cores | magnesium high pressure die casting for automotive structural parts | V-process with foil | continuous casting vertical, horizontal and EMC

**Iron casting (GJL, GJS, GJV, ADI and steel):** Casting processes for large castings with weight up to 120 t and higher | cooling time reduction for large castings | design of residual stress in castings | V-process with foil | thin-walled steel casting | permanent moulds for rotation-symmetric castings

**Copper and bronze:** V-process with foil | permanent mould casting and sand casting for all copper and bronze alloys | tilt pouring of aluminium multicomponent bronze | composite casting process

### **Planning of complete foundries and process lines:**

Green sand production lines for mechanical engineering and automotive castings | Large mould casting for ship parts | Foundry for wind power parts

We combine our planning and process knowledge with our **consulting know-how** and show the potential that exists in your company and in your projects. You can rely on us to do this. We are ready to realise every solution we present together with you and to leverage the potential it contains. This is how we measure ourselves.

Our consulting services include:

- Potential audits at shop floor level or based on benchmarks
- Benchmark studies
- Technical due diligence
- Process improvements and their evaluation
- Partner, target and location evaluations
- Technology audits
- Company valuations
- Interim management





## review optimisation finishing

MAC GmbH | Consulting and Engineering was established in 2003 by Markus Albert in Winterthur / Switzerland. Since the beginning of 2009 MAC is represented in Germany and since 2011 also in China. Since the beginning of 2023, the company headquarters is located in Langenargen in Germany under the name MAC GmbH Deutschland. The globally operating MAC team consists of dedicated and experienced professionals. Over 200 years of professional experience in a wide variety of consulting, planning and production companies in the machinery and foundry industry thus result in an enormous know-how.

In a worldwide network, partnership cooperation is also maintained with companies and freelancers from engineering business and management consulting. This always ensures access to specialised expertise and a high degree of flexibility in personnel planning. Due to our sphere of activity, we have a very good market overview of manufacturers and suppliers of plant and machinery as well as raw and auxiliary materials. Our independence, to which we are committed vis-à-vis our customers, allows us to realise the best solution for the problem posed.

The good cooperation with suppliers often enables us to implement unconventional solutions, especially when it comes to production facilities and the associated processes.

