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On Our Behalf | Live Sustainability – Maximise Opportunities



With four plants and a capacity of 380.000 tons per year, Avangard Malz is the largest malting producer in Germany.

The location of our plants and their water- and railway connections enable a flexible raw material supply – from regional to worldwide. Thereby we are able to compensate for variations in quality according to region and crop year.

Be it malt in 25 kg bags or in bulk in ocean-going vessels, regional or worldwide: our own up-to-date and highly efficient loading facilities guarantee flexibility and low transportation costs. A spectrum of speciality malts completes our portfolio. Carefully monitored processes and our own modern, well appointed laboratories guarantee best quality.

The modern management of our company stands above all for reliability and flexibility. Constant investments in innovative equipment form the basis for a sustainable advancement of Avangard Malz.





Winfried Manke
Director Quality Assurance



Thomas Druivenga
CEO, Purchase and Domestic Sales



Markus Schneider
Technical Director



Peer Klepczynski
Director Sales D-A-CH



Andrew Tremlin
Director International Sales



DI Ingomar Aichholzer
Director Sales and Purchase Eastern Europe

Our plants | Gelsenkirchen – Head Office in the heart of the Ruhr Area

The largest malthouse in Germany is located in the middle of the Ruhr Area and thus in the proximity of the leading brewing centres of the country. With direct access to the Rhine-Herne-Canal the company is connected to the major international ports of Antwerp and Rotterdam. So barley and malt can be delivered efficiently and flexibly by barge

FACTS AND FIGURES

Capacity:	130.000 t/a
Malt-types:	Pilsen Malt / Caramel Malt / Munich Malt / Pale Ale Malt / Wheat Malt
Facilities:	2 Production lines / 1 Washing drum / 2 Steephouses / 6 Combined Steep-Germination boxes / 6 Saladin-Germination boxes / 2 x 2 Kilns / 1 Cooling machine / Energy network with refinery in vicinity
Malt-dispatch:	by truck, train, barge, container, big bag and bag



Our plants | Bremen – Gateway to the world

With its on-site pier in the docks of Bremen, ocean-going vessels can be loaded directly. The malt is exported dominantly to Central and South America and Asia. The supply of raw materials is made by coaster vessels and barges from Scandinavia and Great Britain, or by truck from the nearby cultivation areas of Lower Saxony.

FACTS AND FIGURES

Capacity:	105.000 t/a
Malt-types:	Pilsen Malt / Wheat Malt
Facilities:	1 Production line / 1 Washing drum / 7 Steep-Germination boxes / 2 Kilns / 2 Cooling machines / Own waste water treatment plant
Malt-dispatch:	by truck / train/ barge / ocean-going vessel / container / bag



Our plants | Koblenz – Competitive Position on the Rhine and Mosel

Avangard Malz's most recently constructed plant is located directly on the river Rhine. Its own port provides direct connection to international ports making possible the world-wide dispatch of malt as well as the favorable delivery of barley from adjacent countries. Within proximity lie the large malting barley growing areas of the Rhine-Mosel region. From Koblenz, several large brewing groups can be supplied owing to competitive freight costs.

FACTS AND FIGURES

Capacity:	80.000 t/a
Malt-types:	Pilsen Malt / Caramel Malt / Munich Malt / Wheat Malt
Facilities:	1 Production line / 1 Washing drum / 6 Steep-Germination boxes / 2 Kilns / 1 Cooling machine / Energy network with block heat and power plant and foundry
Malt-dispatch:	by truck / train/barge



Our plants | Lechfeld – Central and regional in the heart of Southern Germany

In the south of Germany and situated in the middle of a large malting barley region lies the Lechfeld plant. The supply of raw materials is performed predominantly by truck using regional suppliers. The railway siding also permits the supply from regions further afield as well as the export of malt. Malt is delivered to the surrounding regional breweries, as well as to Austria, Italy and Switzerland.

FACTS AND FIGURES

Capacity:	56.000 t/a
Malt-types:	Pilsen Malt / Wheat Malt
Facilities:	1 Production line / 1 Washing drum / 6 Steep-Germination boxes / 2 Kilns / 1 Cooling machine / Own waste water treatment plant / Energy network with block heat and power plant and heat pump
Malt-dispatch:	by truck / train





Peters Stahlbau GmbH



Wilsumer Straße 20, 49847 Itterbeck

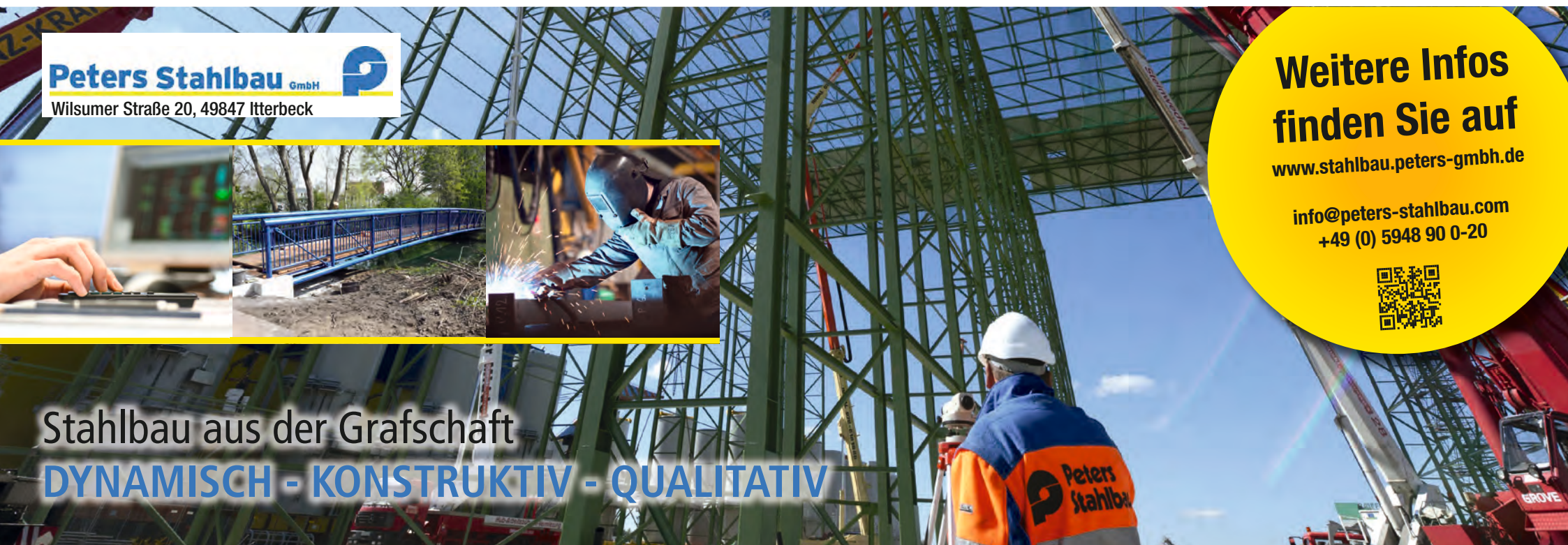


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DYNAMISCH - KONSTRUKTIV - QUALITATIV

**Weitere Infos
finden Sie auf**

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Our teams | Building the Future and Guaranteeing Quality

A company is only as good as its staff. Above all because of the continual increasing demands of everyday working lives. Therefore we educate our staff continuously, uncovering and promoting hidden capabilities.

We know that in the future, well-trained staff will become increasingly hard to find in the job market and therefore we train young people to become electricians, mechanics, specialists in food technology and experts in wholesale and foreign trade. Suitable and committed skilled employees earn the chance to educate themselves at further education establishments and vocational training schools.

No compromises are taken on the safety of our staff, instructions regarding on-the-job safety are adhered to strictly.





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Yvonne Hartge
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Our Raw Materials | Flexibility creates Security



Due to our favorable locations, we are adjacent to the most important regions for the cultivation of malting barley in Germany and Europe. Great Britain, Denmark, Sweden, the Netherlands, France, Czech Republic and Austria are, besides Germany, important countries when it comes to supplying barley to our plants. This regional diversity and proximity ensure flexibility and reliability.

However above all it is vital that the quality is acceptable, so that, ultimately, the customer can rely on our malt quality. And that is the direction in which our future leads. We are forward thinking: therefore we take an active part in the leading German committees for the advancement of malting barley varieties.





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Our Logistics | Short Routes to Raw Material



The four plants, which are strategically distributed on the map of Germany, provide a good starting point for the procurement of raw materials. Our major advantage is that Bremen, Gelsenkirchen and Koblenz all have their own direct access to important water routes. We are able to ship barley by barge on the river Weser, the Rhine-Herne-Canal and the rivers Rhine and Mosel. Raw materials from the surrounding areas are delivered by truck. Our own railway sidings complete our supply possibilities.



Our Logistics | Professional Service, Competence and Experience for our Customers



Malt is a sensitive product, which has to be delivered safely, quickly and cost-efficiently. Be it malt in bags for our local home brewers, malt in bulk in trucks for our domestic and foreign customers, bagged malt in containers, malt in bulk in containers, big bags in containers, malt in bulk in railway carriages or overseas shipments of several thousand tons of malt – everything is possible.

Three of our plants have their own container loading facilities and one with its own railway access, a highly efficient bagging facility, the possibility of direct loading into overseas vessels in Bremen, the direct water connection of three plants to the biggest European container terminals and handling facilities for overseas vessels – all these possibilities ensure maximum flexibility. Furthermore, experienced support staff in the office handle the complex execution of export orders. Fast, experienced and qualified.









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Landverkehre



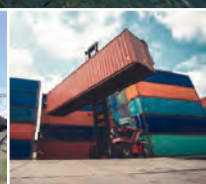
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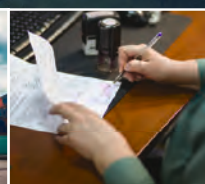
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**Wir arbeiten schon Jahrzehnte
erfolgreich und gut mit der Mälzerei
„Avangard Malz AG“ zusammen.**

**Spedition Franz Kaupmann
GmbH & Co. KG**

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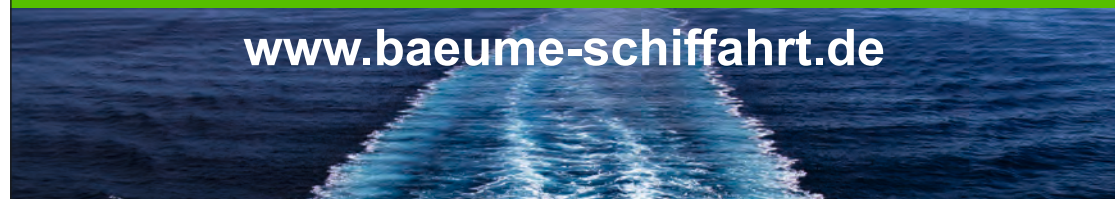
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EAST OR WEST WE DO ALWAYS OUR BEST

www.baeume-schiffahrt.de



Our Customers | Quality and Service Worldwide

Our malt enjoys worldwide appreciation. Our client range extends from the home brewer to the global international brewers. No matter how large and how far, all clients can rely on the quality and service of Avangard Malz.

Global Customers

- | | | | | | |
|----------------|---------------|------------------|---------------------|--------------------|--------------|
| 1 Estonia | 14 Rwanda | 27 Venezuela | 40 Philippines | 53 China | 66 Canada |
| 2 Cyprus | 15 Seychelles | 28 Peru | 41 Japan | 54 Nigeria | 67 Australia |
| 3 Lebanon | 16 Myanmar | 29 Chile | 42 Jamaica | 55 Lichtenstein | 68 Jordan |
| 4 France | 17 Laos | 30 South Korea | 43 Greece | 56 Iran | 69 Tahiti |
| 5 Algeria | 18 Indonesia | 31 New Caledonia | 44 Switzerland | 57 Thailand | 70 Sweden |
| 6 Mali | 19 Guyana | 32 Norway | 45 Belgium | 58 Vietnam | 71 Angola |
| 7 Burkina Faso | 20 Aruba | 33 Austria | 46 South Africa | 59 Cambodia | 72 Latvia |
| 8 Gambia | 21 Bahamas | 34 Netherlands | 47 Tanzania | 60 Malaysia | 73 Lithuania |
| 9 Liberia | 22 USA | 35 Israel | 48 Georgia | 61 Solomon Islands | |
| 10 Benin | 23 Mexico | 36 Ethopia | 49 Sri Lanka | 62 Spain | |
| 11 Gabon | 24 Guatemala | 37 Kenya | 50 India | 63 Cuba | |
| 12 D.R. Cargo | 25 Colombia | 38 Namibia | 51 Papua New Guinea | 64 Italy | |
| 13 Uganda | 26 Brazil | 39 Malta | 52 Portugal | 65 Luxembourg | |





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Our Speciality Malts | Special Quality for Special Demands

Special beer types require special malts. A multitude of these can be produced in the kiln. Pale Ale malt, Vienna malt, Munich malt, Wheat malt or Caramel malt: the color and flavor spectrum is wide.

By means of careful addition the aroma profile and color of the beer can be regulated. From 25 kg bags to bulk in trucks or bulk in containers for overseas, we are able to offer every current style of packaging. It is a matter of course, that the speciality malt is produced with the same high-quality philosophy as the other malt types.



Our Technology | Innovative Concepts and proven Ideas as a Basis



The processes in our plants focus not only on achieving optimal cost effectiveness, but also in optimizing the quality of our malt. The barley is steeped gently in special washing drums. There, it is cleaned efficiently using the principle of counter current. The barley is cleaned with impurities being separated. Water pick-up takes place rapidly and evenly. Further steeping is performed by immersion in the steep-germination boxes in which germination takes place as well. A fast and constant germination can be assured by means of a thin malt layer and high fan capacity. This – the successful combination of innovative concepts and proven ideas – is the basis for a homogeneous germination and quality of the green malt.







Our Technology | High-Tech and long standing Experi- ence as a Warranty of Quality

Good malt quality demands constant process conditions. The basis for this is a modern computer-operated control technology and engineering, together with sufficient dimensioned heat-exchangers, cooling machines and fans.

Our experienced staff monitor the processes and adapt the parameters to the raw material and to customer requirements. Our complete mechanical engineering is continuously and meticulously serviced. We are constantly searching for innovative technology to keep in shape for the future.





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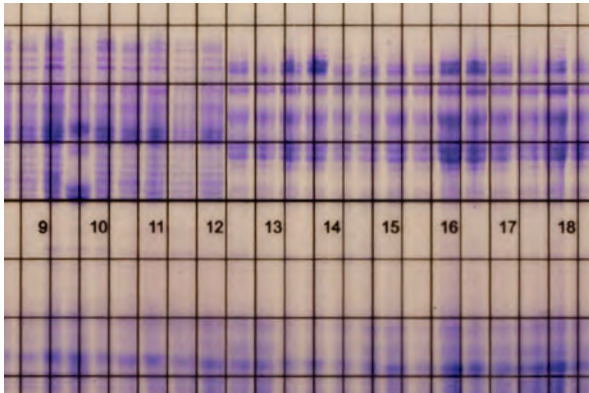
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Our Quality | Everything under Control

Premium barley is the prerequisite for high-quality malt. With a carefully controlled and monitored production process we convert barley into the best malt. In our own up-to-date equipped laboratories the raw material, semi-finished product as well as the malt are carefully analysed. The supervision of toxic substances are generally performed by international accredited specialist laboratories. Our own analytics are supervised through our participation in Ring Analysis.

Monitored quality provides security to the customer.





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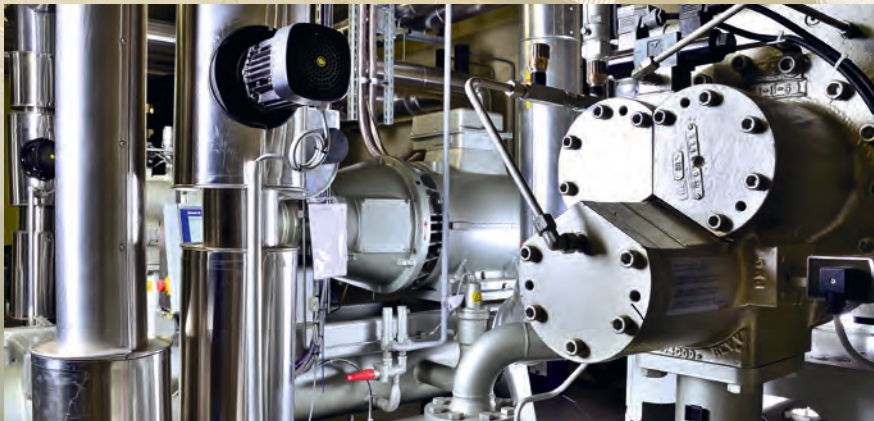
Our Energy | Awareness of Conservation and Sustainability

Retrieval of energy by means of waste air, combined heat and power plants, frequency-controlled and energy-efficient engines, integrated heat pumps and energy compound concepts in cooperation with other enterprises are our answers to the challenge of how to save energy and to preserve the environment.

Conduction-bound energy is an important cost factor for malt production. Therefore, we trust the market view of experts as far as the procurement of natural gas and power are concerned. In consultation with the company "Energiecoach GmbH" we are able to buy energy more favorably.

Cooperation for Greater Efficiency

Through energy compound concepts in cooperation with other enterprises, we save energy at two locations by the use of waste heat. Cooperation is economical for both sides, increasing energy efficiency and reducing environment impact. Thus, we assume responsibility for the environment and the future.



Our Sustainability | Consistent Standards for Conservation, Quality and Safety



Sustainability is the determining factor in the action we take. To be equipped for the future, we pay attention to the best possible utilization of resources we use such as energy and water. We strive to reduce negative influences on the environment by means of wastewater treatment plants and dedusting units.

To improve systematically, we have introduced a Certified Environment Management System (ISO 14001) and an Energy Management System (ISO 50001).

The Quality Management System (ISO 9001) and the QS Standard Feedstuff System ensure high quality and safe products.



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