Innovation
Expertise
Reliability



stela® drying technology

Made in Germany

Contents

Drying technology is our strength

Welcome to our new facility in Massing!

Here, 140 employees concentrate on our core product
– drying technology.

We have put all of our know-how and many years of experience into the development and optimization of this one area.

Strength proven by outstanding success.

Together with our customers, we develop one solution for each material to be dried, tailored to their INDIVIDUAL requirements. Our skilled experts accompany and support you through every stage, from the initial contact through to the commissioning of the drying plant, because the close collaboration with our clients is paramount also for our in-house production.

However, at STELA tailored solutions are not created at the expense of speed. We are known for our quick delivery times for entire machines and prompt servicing of existing systems. We are also known for our reliability! Our customers can trust on fast support and reliable service at any time. We can even supply spare parts for 40-year-old STELA machines. If we do not have them in stock we can manufacture them at short notice.

Proven technology, creative solutions, flexible production – that's our motto
and our strength!

STELA – Drying technology is our strength.

Thomas Laxhuber
Managing Director

Rainer Hettwer
Managing Director

A modern structure for modern technology: our new premises

Just 16 months after the ground-breaking ceremony, it's finished: our new production and office facility!

Over 15,500 cm³ of concrete and 926 tonnes of steel were used in the 108 m by 140 m site, along with countless metres of installation cables. It is a superlative headquater, housing more than 15,000 m² of production space and the administration, and a total of 140 employees: engineers, technicians, metal workers, designers, office clerks and many other qualified professionals and competent specialists, all working in the service of a single cause: drying technology

Shaping the future together

Our employees guarantee the high quality of our products. This means that responsibility for our workforce is our highest priority.

Training
For us, this begins with creating challenging and secure jobs in the region. We put great emphasis on in-house training of the professionals of tomorrow and offer young people six different training disciplines within our company:

- Metal worker specialising in design technology
- Warehousing logistics technician specialising in mechanical engineering
- Technical product designer specialising in mechanical engineering
- IT specialist – system integration
- Office management clerk
- Electrician for automation technology

Further education
We at STELA think that further education is essential in order to be able to meet future challenges in the market, and this is why it is an integral and important part of our personnel policy.

Employee welfare
The health of our employees is very important to us. To promote this, we created interest groups for activities such as running, walking, skiing and hiking. Group activities, for example going on trips or going bowling, are also part of our corporate culture and also strengthen team spirit in the course of everyday interaction.

We are STELA and drying technology.
And we embody our values.


1922


1929


1952


1964


1967


1969


1972


1985


1997


1999


2002


2005


2010


2012


2015


2016

We are continuing to write the story of our company's development:
www.stela-drying-technology.de/de/unternehmen/firmenchronik/

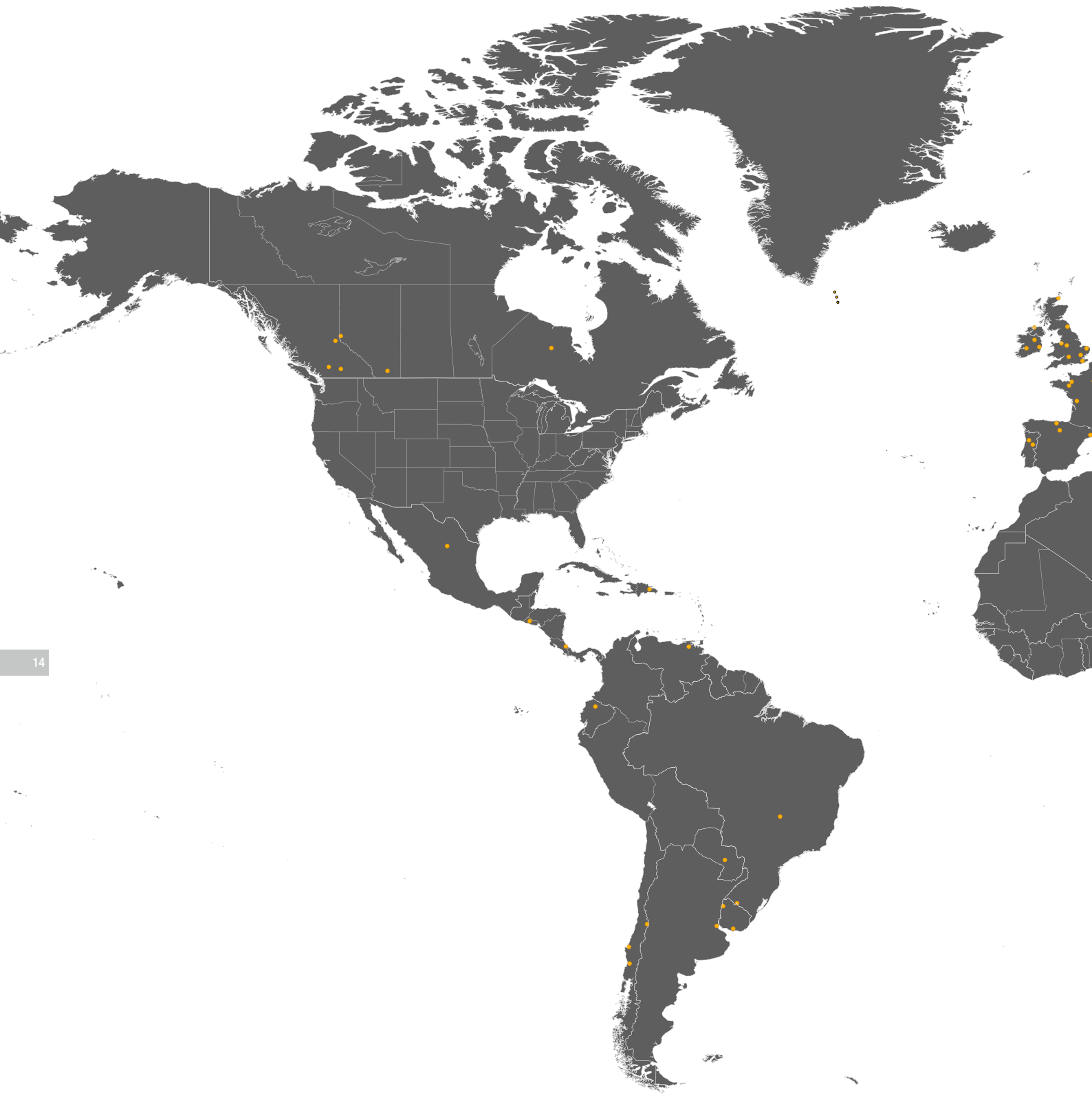
A company with history

STELA can look back on many years of tradition and experience. In 1922 Stefan Laxhuber founded a small workshop which, together with his wife Juliane Laxhuber, he turned into a company for wind-powered well production, later expanding into trading agricultural machinery.

After 50 successful years, the founder passed the company on to his son, Stefan Laxhuber. With the support of his wife, Theresia Laxhuber, he invested many years into his life's work, as his father had done before him. And like his father, he also opened new lines of business and from this developed the core product: drying technology. Thanks to his foresight and commitment, and with the support of a creative and dedicated workforce, the company was able to continually expand and is now one of the leading drying system manufacturers in the world.

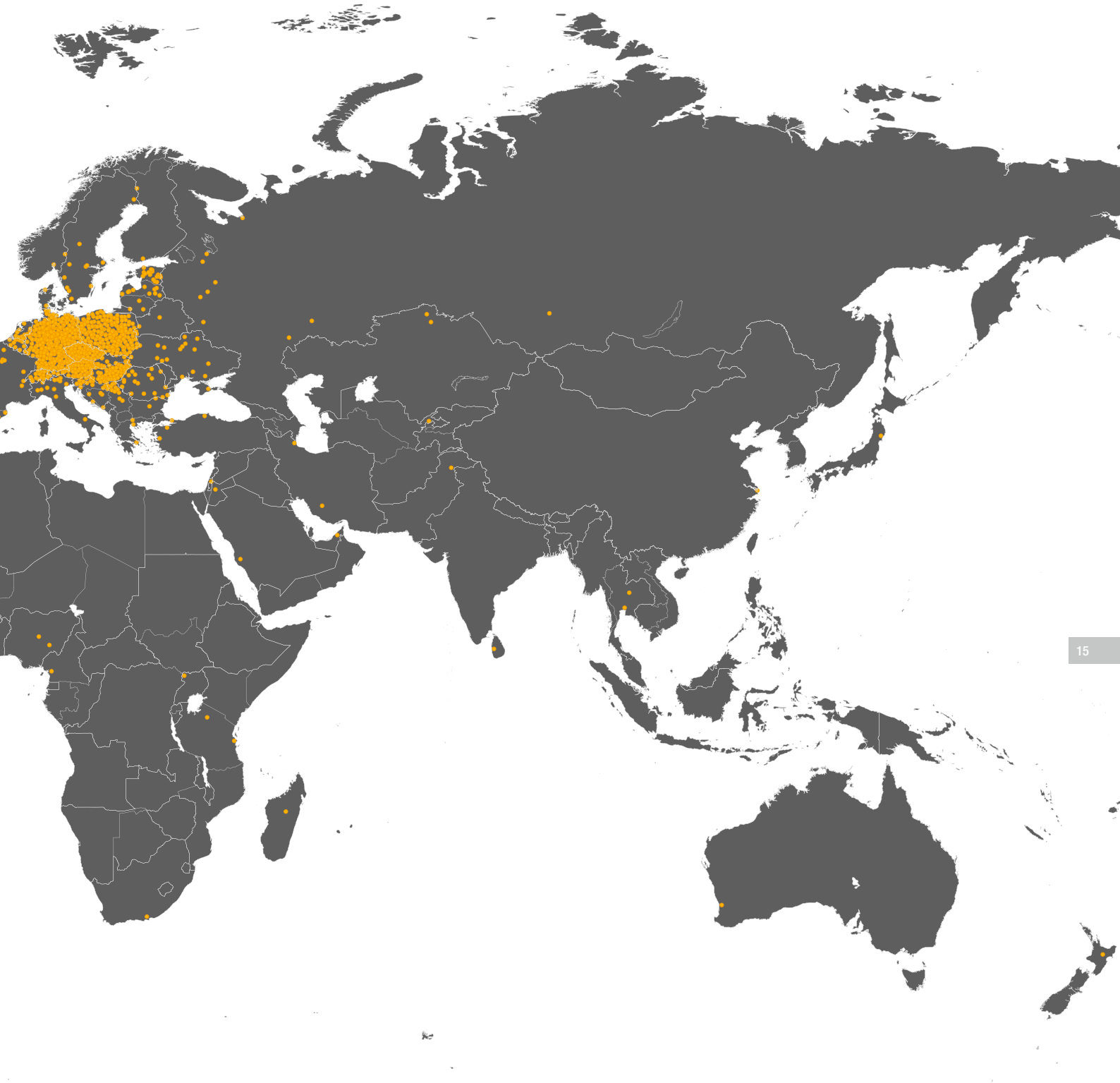
Today STELA is run by the third generation of the family, and it continues to focus on its main area of business: drying. The fact that the company continues to grow, both on the national and international market, bears out this focus on the core business and allows it to look to the future with a sense of optimism.

Based in Massing, active around the world.



42 million tonnes of grain per year

42 million tonnes of grain – this unimaginably large volume is dried each year using STELA dryers. Considering the energy required achieving this, it is clear how important the efficiency of a drying plant is. That's our goal: As little energy consumption as possible to evaporate as much water as possible for the benefit of the environment and our clients. That's what distinguishes our advanced technology.



40 million cubic metres of air

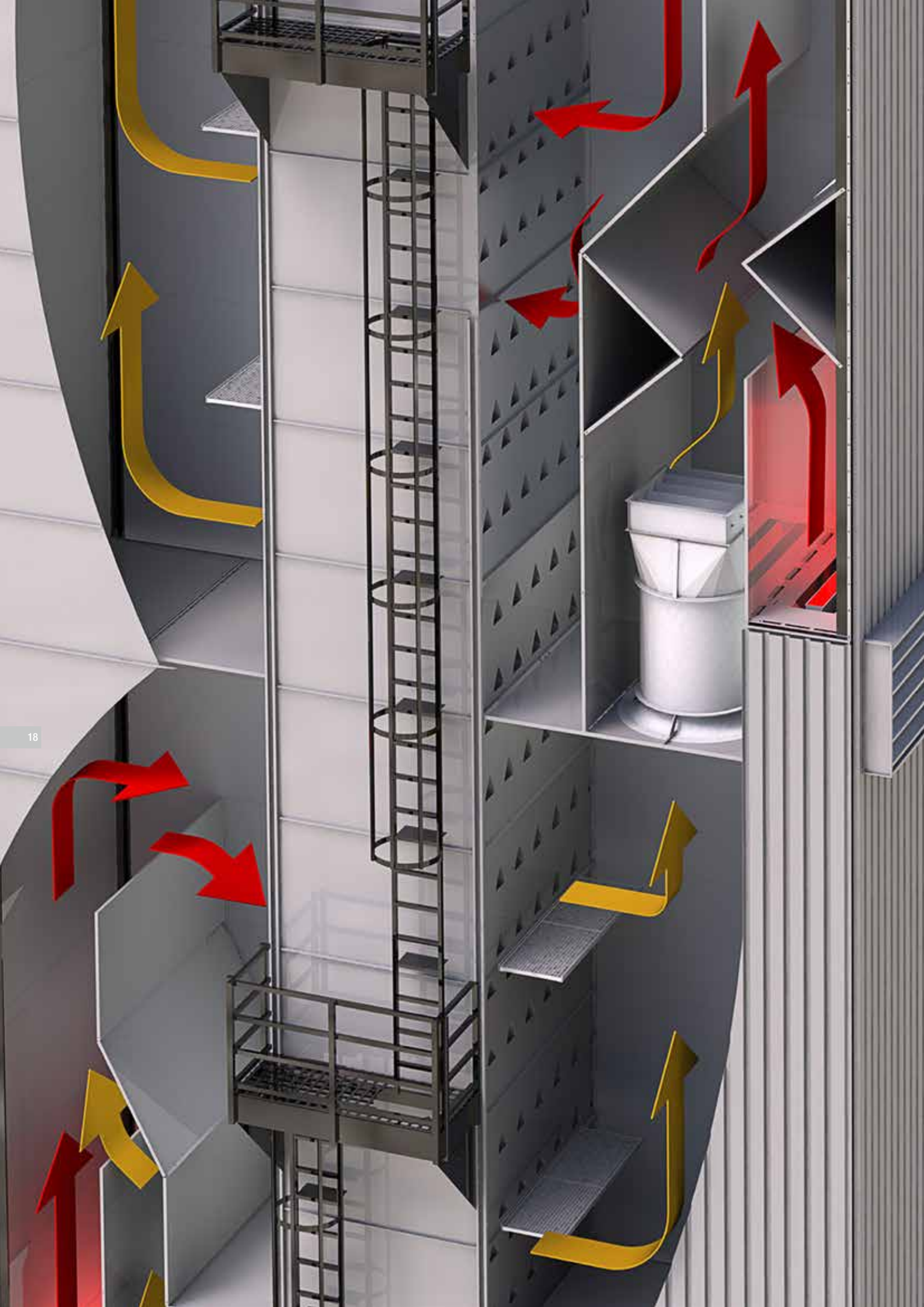
In conventional drying plants, approximately 40 million m³ per hour of air at temperatures of 60, 80 or 100 °C d is wasted. This is not the case with STELA belt dryer technology. Low-calorific heat is used, e.g. from power plant processes, a system which is well received among our customers. There are two obvious advantages: the value added by drying a high quality product and the use of an existing energy source at virtually zero cost.

“Just” dryers? Yes!

STELA wants to offer its clients the best possible drying solutions, which is why we have specialised in this complex field of technology.

We focus all of our know-how on the development of the most advanced drying systems and do this for a wide range of products, from agriculture, the food industry and energy technology through to disposal engineering.

Specialising in the technology, not just the industry. This creates synergies.



State of the art
STELA drying technology – a world leader

Since the production of the first feed-and-turn dryer in 1967, STELA has developed into a leading and globally active industrial company in the field of drying system construction. But what sets STELA apart from all the rest? A corporate philosophy with foresight!

Technology leader in energy-efficient drying
Across the world there are still too many outdated drying systems in use. The result is high energy consumption and even the “low” values are still 1.5 kWh or even 2.0 kWh per kg of evaporated water. By contrast, most of our systems have a peak low power consumption of less than 1.0 kWh/kg. We have made it our goal to implement this in all our systems and to develop it even further – even a value of 0.4 kWh/kg is possible if you take into account the condensation heat of the most advanced belt dryers.

Technology leader in final product quality
For us, gentle drying means working with temperatures that are perfectly suited to the product, as well as careful handling of the product itself. We do not want artificial performance increase in a machine through excessive elevation of the drying temperature at the expense of product quality. Our aim is to be able to ensure a high quality end product.
All this is for the benefit of our clients: firstly, your products have more value added to them through the careful drying process, and secondly you can use an existing energy source.

Unique clients, unique solutions

Is your product not listed? No problem! In our in-house laboratory we are able to examine the specific drying properties of your product and create drying curves. We have a testing facility available for larger experiments, which we can provide to our clients so that they can conveniently conduct experiments directly on site.
At STELA we find the ways and means to develop and implement the right special technical solution for you!

Aerated concrete shards
Alfalfa
Almonds
Apple rings
Apple slices
Asparagus
Banana slices
Bark
Beans
Bentonite
Blueberries
Breakfast cereals,
Caraway
Carrots
Celery
chaffed maize
Chicory
Chives
Chocolate chips
Clover
Coal pellets
Cobalt oxide
Cocoa
coded and uncoded
Coffee beans
Compost
Cotton waste
Cranberries
Currants
Dates
Diced carrots
Draff
Dye granules
Eucalyptus bark
Extrudate
Finely ground wet chips
Foil shreds
Fruit
Garlic
Grape pomace
Grass
Grass seeds
Green spelt
Herbs
Iron II sulphate
Kaolin
Kiwi pomace
Lentils
Macadamia nuts
Maize
Microchips
Miscanthus
Mushrooms
Mustard seeds
Nuts
Onions
Orange peel
Oregano
Organic fibres
OSB strands
Oyster mushrooms
Paper balls
Paper sludge
Paprika
Parsley
Peas
Pellets
Pepper
Peppermint
Pet food
Polystyrene
Pulp granules
Pumice
Pumpkin seeds
Raisins
Rapeseed
Rice
Rye malt
Sawdust
Sewage sludge
Silicon carbide
Solid shredded waste
Soya
Specialist chemical products
Straw
Strawberries
Sugar beet pulp
Sunflower seeds
Tomatoes
Vegetables
Waste material
Wheat
Wood chips
Wood shavings

STELA products
- a single technology for lots of industries

At STELA we find ways and means to implement the one technical solution for you. This is our core competence – designing and manufacturing drying plants that are tailored to the unique requirements of our clients. And all this is for a wide-ranging array of applications and industrial sectors. Today we provide our various drying systems, such as belt, continuous-mixed-flow and circulating batch dryers, for a huge variety of industries all over the world: starting from agriculture and the food industry through to energy and waste disposal technology.
Since we are constantly expanding our product range – for example with air heaters, fans, electrical control systems and dust separation systems – we can offer an integrated concept to our customers.

Agricultural industry

wood panel industry

Food industry

Feed industry / pet food

Pulp and paper industry

Farming

Pellet industry

Cement industry

Energy-producing biomass heating plants

Waste disposal industry

Water management - sewage treatment plants

With passion and networked know-how.
How we work.

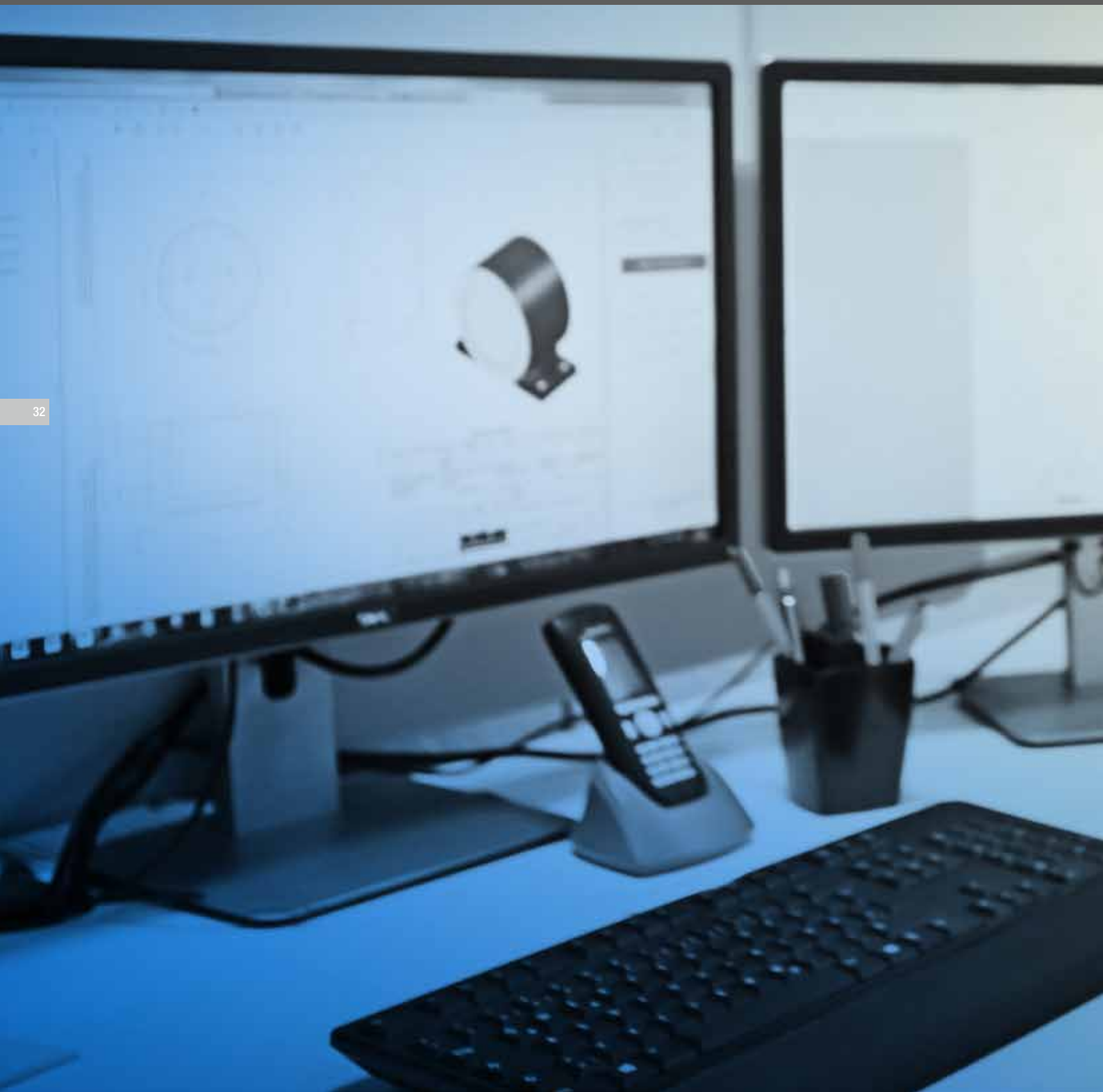
STELA consulting
Expertise with tradition

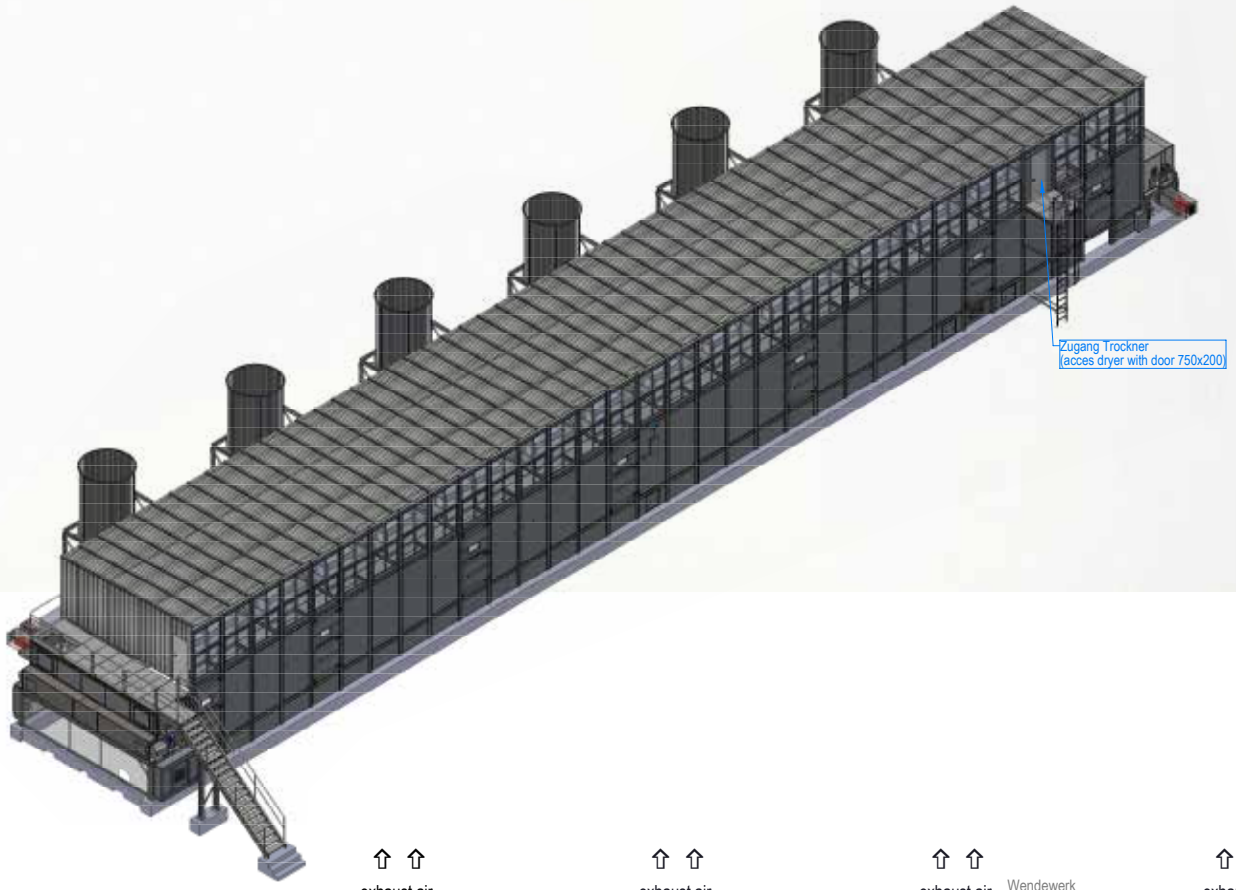
As we have many years of experience in the area of drying technology and in many different industries, we have gained a high level of competence in giving expert advice. We love to pass our knowledge on to our customers! An expert team of mechanical engineers, control technicians and engineers is always on hand to help you, from the first idea through to the commissioning of your system. We ask you what your specific requirements are and then create a perfectly tailored concept. Sales, technology and service all work hand in hand with you to see your project through to completion.

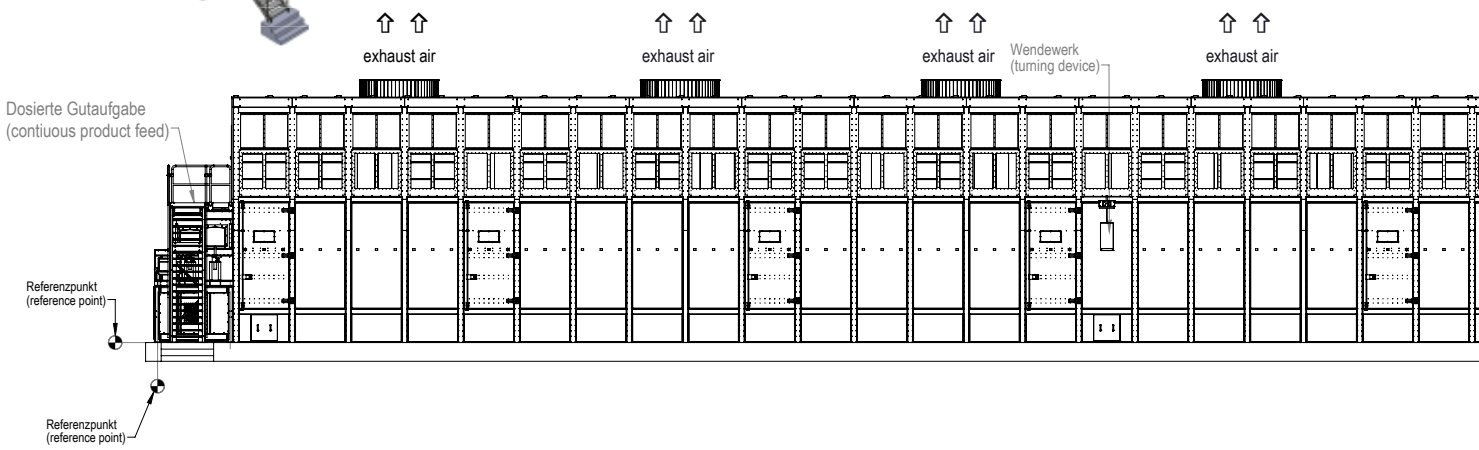
That's what we call true consulting expertise!

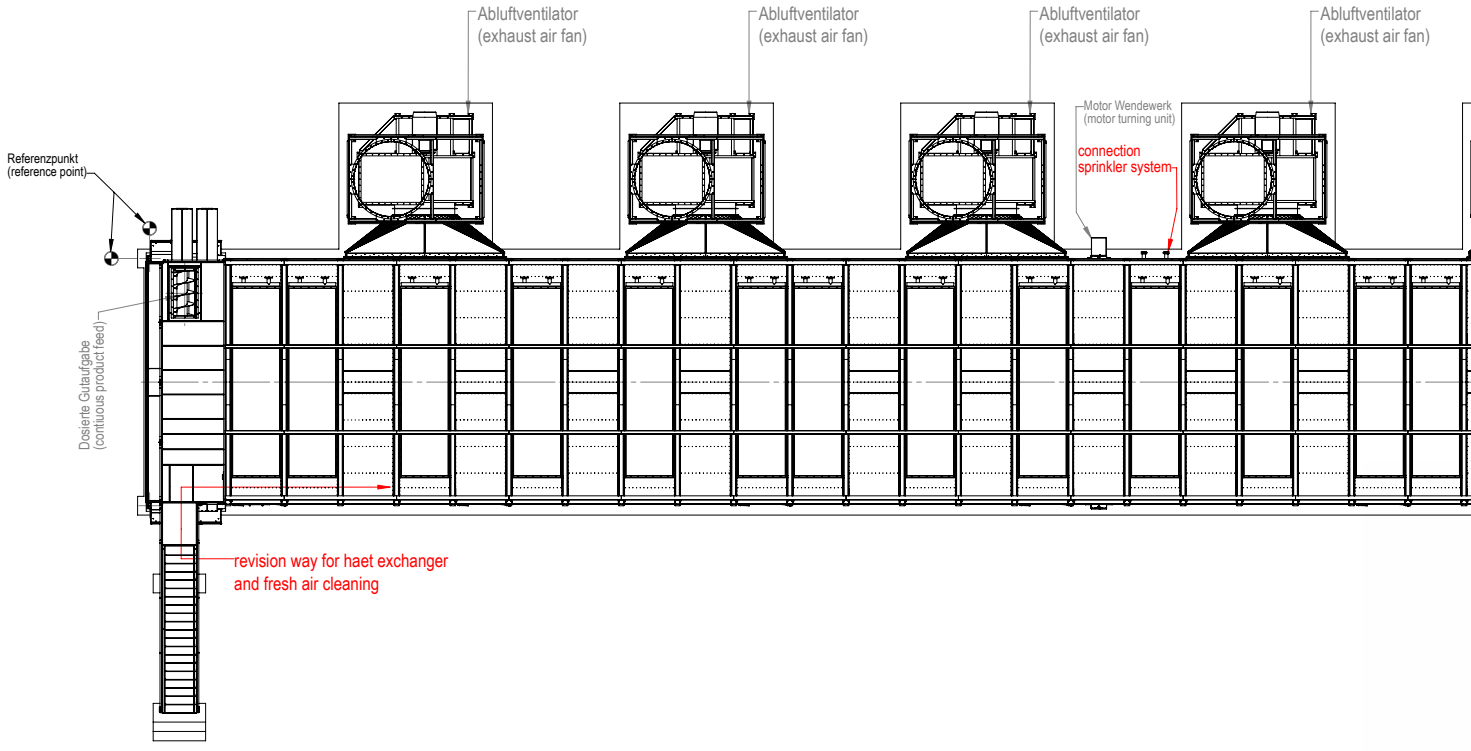
STELA Research and development
- Leading through innovation

Are you dissatisfied with your current drying quality? Do you want to optimise your drying processes? Would you like to find out more about the drying characteristics of your products? No problem! Our R&D department can find out for you all the necessary key figures and parameters relating to process optimisation, efficiency and emissions, both on a laboratory and industrial scale. On a project-specific basis, boundary conditions such as drying temperature, air volume and product parameters can be readjusted and scaled. We also have an industry-spanning database and collection of all the drying experiments conducted in recent decades.
This is our special service for you in research and development and the basis of our role as market leader in the field of drying technology.



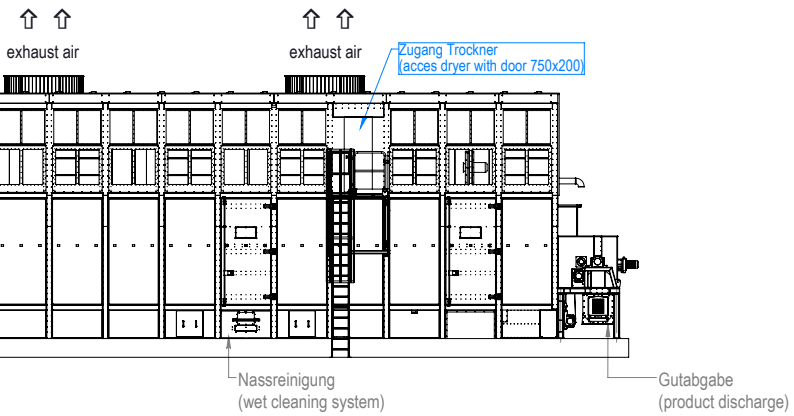

Zugang Trockner
(acces dryer with door 750x200)

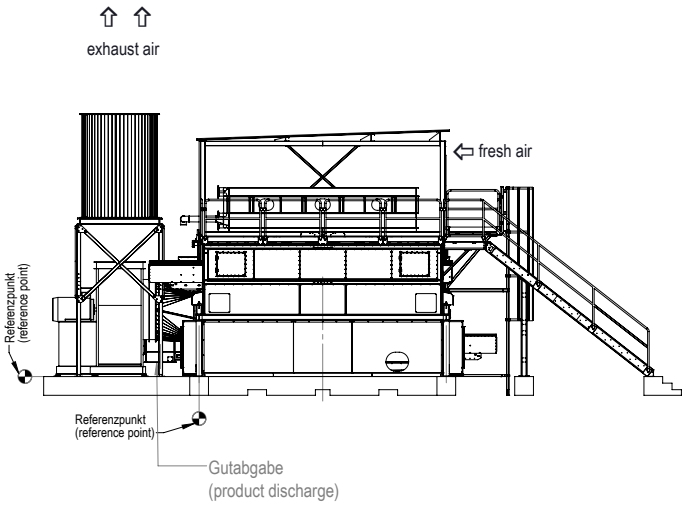

exhaust air
exhaust air
exhaust air
Wendewerk
(turning device)
exhaust air
Dosierte Gutaufgabe
(contiuous product feed)
Referenzpunkt
(reference point)
Referenzpunkt
(reference point)

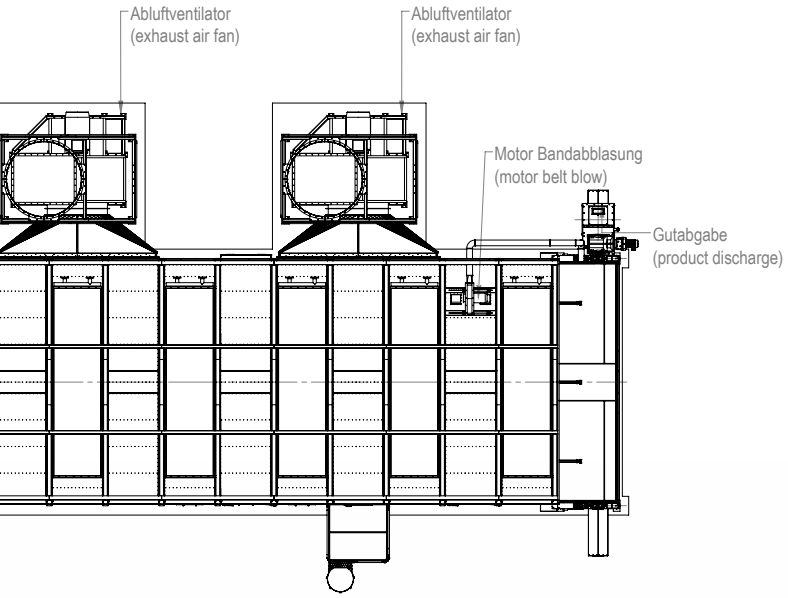

Abluftventilator
(exhaust air fan)
Abluftventilator
(exhaust air fan)
Abluftventilator
(exhaust air fan)
Abluftventilator
(exhaust air fan)
Motor Wendewerk
(motor turning unit)
connection
sprinkler system
Referenzpunkt
(reference point)
Dosierte Gutaufgabe
(contiuous product feed)
revision way for haet exchanger
and fresh air cleaning

Engineering
- Responsibility in advance

Our engineers and designers are consulted once we have figured out all the necessary parameters for your drying application. The dryer type has to be defined, as well as the size, the type of ventilation and much more. STELA provides software which we partially developed ourselves – result optimization with engineering made by STELA! Your dryer can be designed in 3D-CAD and agreed with you. For example we can discuss interfaces or design elements. The communication channels are short as our project managers will contact you directly and they are also the internal contact for our construction department. Once your dryer has been completely designed according to your requirements the project will be approved for production.








510
244
219
142
141

STELA Production
- cutting-edge technology, efficient logistics

High-quality products and short delivery times that's what STELA is known for, ensured by our modern machine park with its high level of automation, the culmination of our continuous optimization of technology and logistics. Key production components are replaced according to a rota after just a few years in order to ensure manufacturing precision. We have designed our new production facility to make coordination even easier, with short distances from one production step to the next and clear processes in all areas, from receipt of goods through to loading the goods into container or truck.


ABUS

Production line with the latest technology for maximum precision and efficiency


STOPA
TRUMPF


TRUMPF

Production line with the latest technology for max-
imum precision and efficiency


300


TruLaser 3040


ABUS


ABUS
16t


STILL
RX60-50


stela
stela

STELA Assembly, commissioning and service
- always by your side

These days a 24/7 availability is more important than ever before for drying systems, not just for the manufacturers but also for the operators. It is necessary to have a reliable partner on your side – STELA. Our extensive spare part warehouse enables us to provide you with virtually any requested part. We can even produce plant-specific part in short time thanks to our high in-house production depth. This means that we are independent of suppliers and can guarantee you both fast response times and availability, even for decades-old equipment.

Our competent technicians are always there for you. In addition to the assembly and commissioning, they later perform service and maintenance tasks for the entire lifetime of your drying plant.

This combination of reliable availability, short reaction times, years of practical experience and well-trained employees determines the quality of our service and makes STELA a reliable partner.

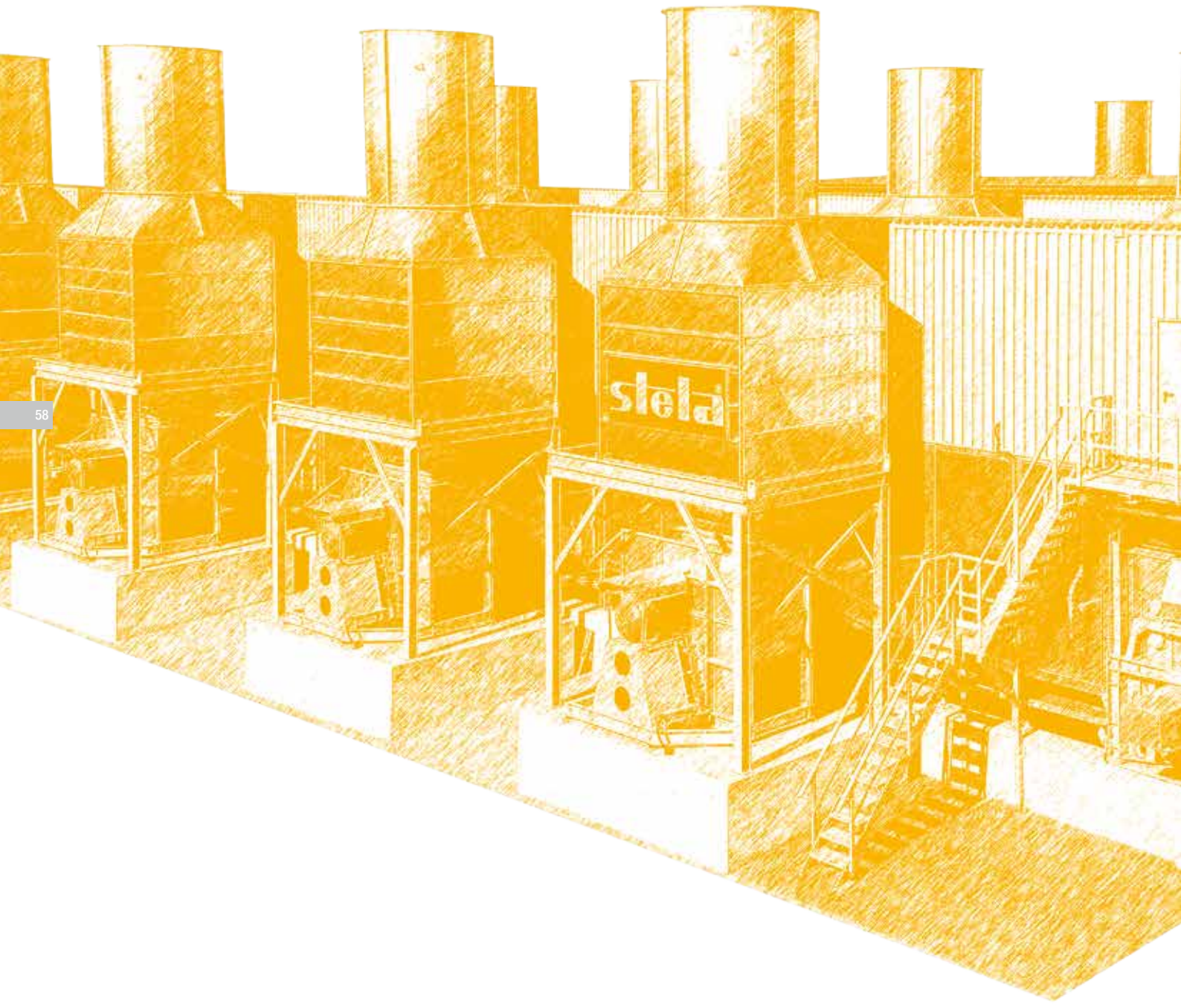

PAN TA 70

STELA Control technology
- indispensable for successful plant operation

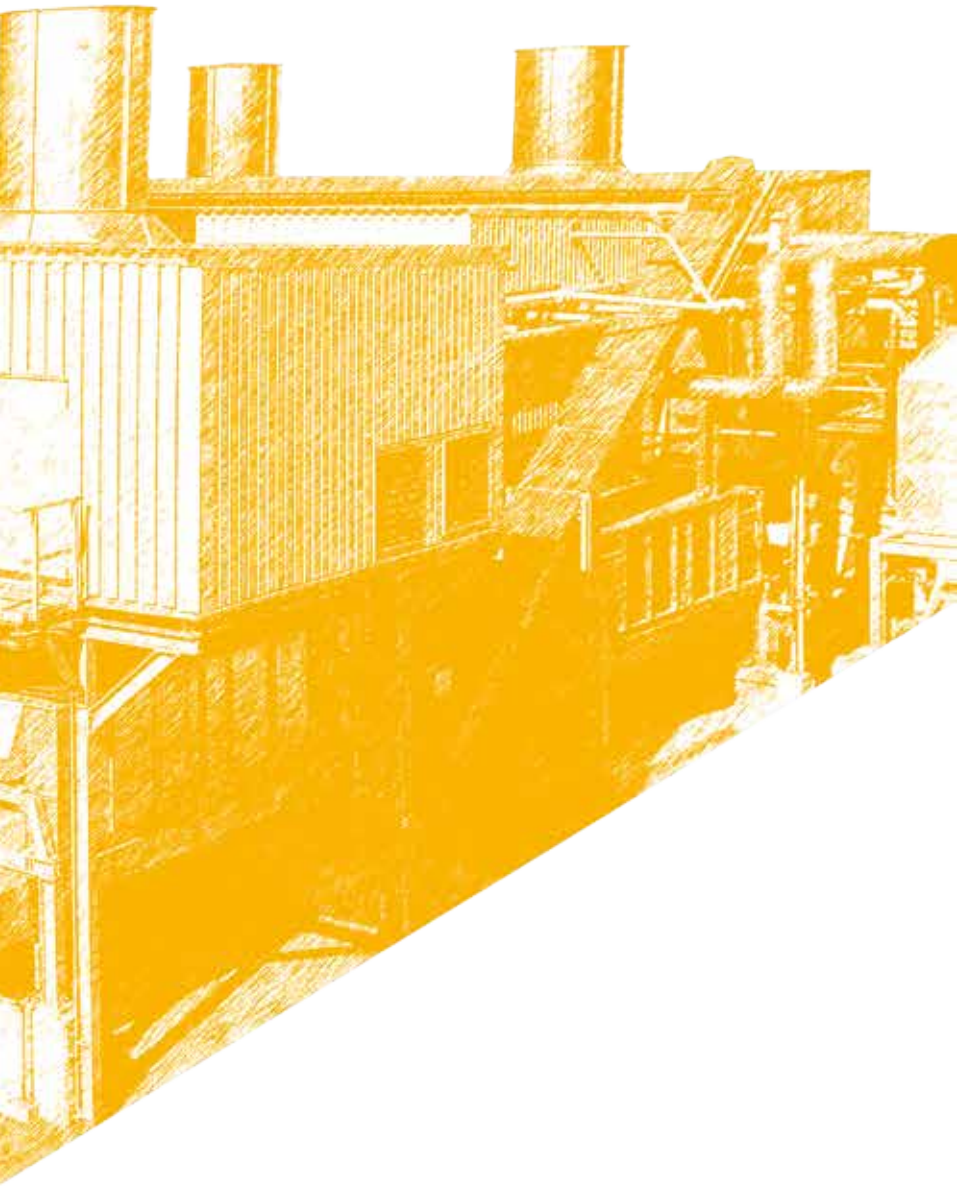
Over the decades, STELA Steuerungstechnik GmbH & Co. KG has established itself as a reliable partner for switchgear construction, electrical installation, commissioning and maintenance.
We offer our clients a broad portfolio of in-house production of electrical engineering, automation technology, process visualisation, switchgear construction and electrical MSR installation, always with the usual exceptionally high STELA quality standards.
Because we are able to manufacture our control systems ourselves, we are able to meet customer and country-specific requirements and tailor their implementation. A comprehensive concept for successful plant operation!

stela® Control technology

- established in 1982
- 8 trainees
- 16 employees
- Control cabinets for over 3,000 systems


sleia

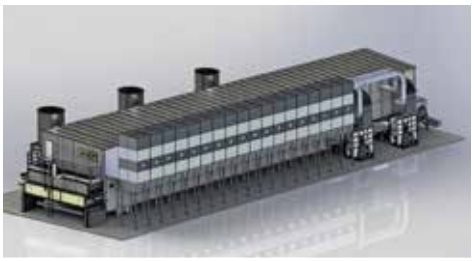
We have a solution for every customer requirement:
a well-engineered drying system



STELA product ranges

Low temperature belt dryer type BT

Low temperature belt dryer type BTU
with air circulation



Low temperature belt dryer type BTU RecuDry
with heat recovery system

Low temperature belt dryer PBT

Mobile belt dryer BTM

Stationary drying plants AgroDry

Stationary drying plants AgroDry
with STELA Biturbo Technology

Mobile circulation batch dryer MUF

Mobile continuous mixed flow dryer UNIVERSAL

Feed-and-turn dryer

Easy assembly dryer Vario

Air heater

STELA References
Successful projects

Allseeds Black Sea LLC
Ukraine, Odessa Region
MDB-XN 3/17-S
2015
Sunflower seeds:
60.0 t/h from 12% to 8%
Rapeseed:
140.0 t/h from 13% to 9%

Limited Liability Company Ukrbud
Ukraine, Konstantinovka village
MDB-XN 2/18-SU
2015
corn:
50.0 t/h from 25% to 14%
Rapeseed:
104.0 t/h from 19% to 15%

Gerhard Kreitmair
Germany, Dachau
MDB- XN 1/12-SB
2015
corn: 12.0 t/h from 35% to 15%

Uddevalla
Sweden, Uddevalla
BT 1/6200-55.5
2015
Sawdust:
13.6 t/h from 55% to 8%

Trocknungsgesellschaft Reding
Germany, Reding
MDB-XN 2/16-SB
2013
corn: 32.0 t/h from 35% to 15%

Sägewerk Schwaiger
Germany, Hengersberg
3 x BT 1/6200-33
2006, 2011, 2014
Sawdust:
In each case 8.4 t/h from 50% to 10%

Bayernhof GmbH
Germany, Straubing
MDB-XN 1/11-SU+Z
2012
corn: approx. 12.0 t/h from 35% to 15%
Wheat: approx. 36.0 t/h from 19% to 15%
Rapeseed: 22.0 t/h from 13% to 9%

Graanul Invest
Latvia, Incukalns
2 x BT 1/6200-49.5
2014
Sawdust:
In each case 11.3 t/h from 50% to 10%

Kombinat Rolny
Poland, Kietrz
MDB-XN 2/17-SU
2013
corn:
37.0 t/h from 35% to 15%

Bettina Linnhof
Germany, Salzkoten
Universal 12-S
2014
Wheat: 18.0 t/h from 20% to 16%
corn: 5.0 t/h from 35% to 15%
Rapeseed: 12.0 t/h from 13% to 9%

Lafarge Cement
Poland, Piechcin
BT 1/6200-12
2014
SSW: 3.8 t/h from 35% to 10%

Heinrich Schröder Landmaschinen
Germany, Oberschneiding
Universal 25
2015
Wheat: 18.0 t/h from 20% to 16%
corn: 5.0 t/h from 35% to 15%
Rapeseed: 12.0 t/h from 13% to 9%

Del-Tech
Canada, Chetwynd
BT 1/6200-34.5
2015
Sawdust and wood shavings:
9.9 t/h from 44.4% to 8%


sela

Agrargesellschaft Klein Bünzow mbH
Germany, Klein Bünzow
MUF 70
2015
Grain: approx. 2.7 t/h from 19% to 15%
corn: 5.0 t/h from 35% to 15%

Celulosa Arauco y Constiticion S.A.
Chile, Valdivia
BT 1/6200-61.5
2011
Eucalyptus bark:
19.0 t/h from 64% to 49.1%


stela

Agro Wild
Ukraine, Zhashkiv
MDB-XN 1/18
2013
Wheat: 63.0 t/h from 19% to 15%
corn: 23.8 t/h from 30% to 15%
Rapeseed: 54.0 t/h from 13% to 9%


stela®

Del-Tech
Canada, Fort St. John
BT 1/6200-16.5
2015
Sawdust and wood shavings:
5.3 t/h from 37.3% to 8%

Lagerhaus Eichinger
Germany, Tann
MDB-TN 1/17-SB
2014
corn:
10.0 t/h from 35% to 14%

Gebi GmbH
Serbia, Cantavir
2 x MDB-XN 2/14-SU
2014
corn:
In each case 40.0 t/h from 25% to 15%

SFC Integrated Forestry Products
Turkey, Kastamonu
BTU 2/6200-45-10/4
2015
OSB strands:
25.0 t/h from 50% to 2.6%

Feuerstein
France, Durmenach
MDB-XN 2/17-SB
2013
corn:
35.0 t/h from 35% to 15%

Panvita
Slovenia, Beltinci
MDB-XN 2/17-SB
2014
corn:
50.0 t/h from 25% to 14%

Thermopell Hagenow GmbH
Germany, Hagenow
BT 1/6200-12
2015
Wood chips:
5.6 t/h from 50% - 20%


stola
stola
PAWLICA

P.H.U. Deka Trade
Poland, Wagrowiec
MDB-XN 1/16-SB
2015
corn: approx. 18.0 t/h from 35% - 15%
corn: approx. 26.0 t/h from 25% - 15%

Pinnacle
Canada, Coldstream
2 x BT 1/6200-42
2015
Sawdust:
In each case 13.0 t/h from 50% to 6%



stela®

drying technology

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