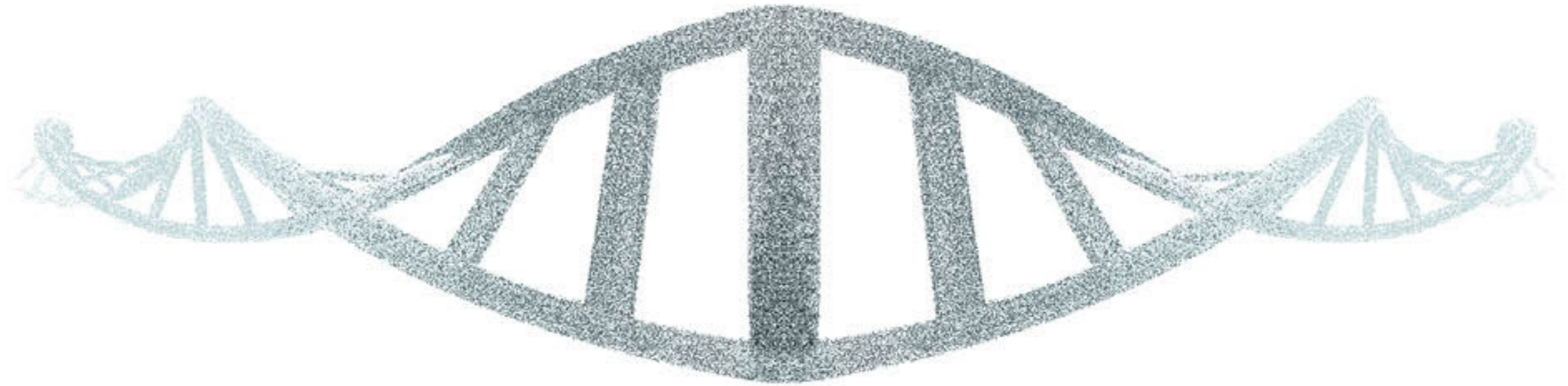


PLANT DESIGN RUNNING IN OUR VEINS ...
The architect of your visions



The rubber mixing room experts

... YOUR FUTURE ON OUR MIND



Plant engineering redefined



ARE YOU MAKING BIG PLANS?

We'll make them great

**Create something new. Shape the future.
Build extraordinary systems. This is our common
goal. We have redefined the role of plant designers.**

**Why? Because the world in which we live is
changing. The requirements for modern plant
engineering are becoming more and more complex,
the markets and their needs are constantly and
rapidly changing, and with it, comes more and more
responsibility.**

**We look at things as a whole. Plant optimization
requires having control over the entire system and
making sure all individual elements
match flawlessly, from the onset.**

**It's not just about individual processes.
Not individual machines. It's all about total
efficiency. It's about responsiveness and flexibility.**

**This is why we design your entire plant.
We manage complex systems. We optimize them
from the ground up and for the long term.**

We are your architect.

Choose from every company's product portfolios and don't be limited to those of individual companies. This guarantees you the best solution for your specific requirements every time.

INDEPENDENCE

INNOVATION

Be a trendsetter. With innovative ideas. With intelligent technologies. With systems that think. With components that communicate. With Zeppelin.

Benefit from more than 25 years of experience in plant engineering and the world's largest network of bulk material handling technology centers.

RELIABILITY

SUCCESS

Expect more. Achieve more. Fast, efficient, reliable – plan for assured success.

Think of tomorrow, today. Rely on a solid partner to be by your side. We will always be there for you, supporting you and your plant.

CONFIDENCE

LEADING EDGE

Take the lead. Be the best. Feel at home on top. Gain your advantages from our solutions.

INDEPENDENCE

"The Whole is Only as Good as the Sum of its Parts."
It only makes sense to select the best solution for each process. As your architect, we strictly follow this old adage. We integrate all processes into the perfect whole.



OPEN ARCHITECTURE FOR MORE AUTONOMY

Remain independent

An intelligent factory is always the result of creative plant design. Those who master all processes know how to increase the entire system's efficiency through networking and communication.

Control systems: Maximum independence thanks to open, lean architecture.

Intelligent factory: Our Smart Components provide you with the freedom of the digital world.

NEWS

Unique – autonomous – safe

Take advantage of Zeppelin's modern control technology and enjoy maximum freedom. Open architecture, lean, cost effective, and not to mention it incorporates the highest operating safety standards. Give it a try!

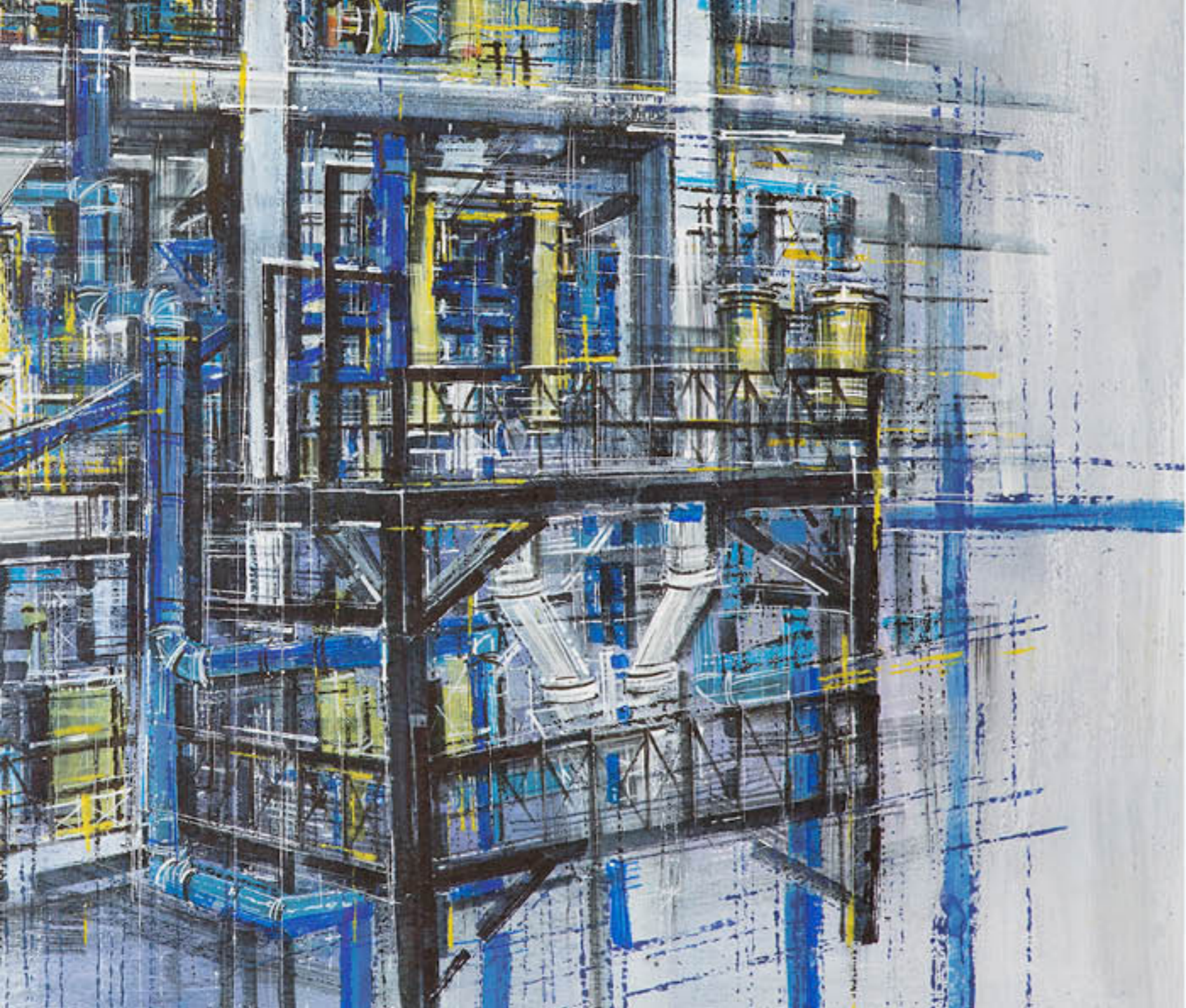
Smarter than smart

We make your production intelligent. You save significantly on maintenance and service. Mobile devices allow you to communicate with your plant components and technicians. You will get all the advantages of digitalization. All the information you need, just a click away.

Innovative 3D modeling tools

We use state-of-the-art 3D modeling tools to design your plant. This enables us to continuously optimize your design whilst automatically checking for errors and conflicts in virtual reality. It also allows you to tour and visualize your plant even before the foundations are laid.





INNOVATION

Anyone who has been an industry leader for more than 25 years begins to understand their customer's needs. This is why our innovations target our customer's needs and their ultimate success.

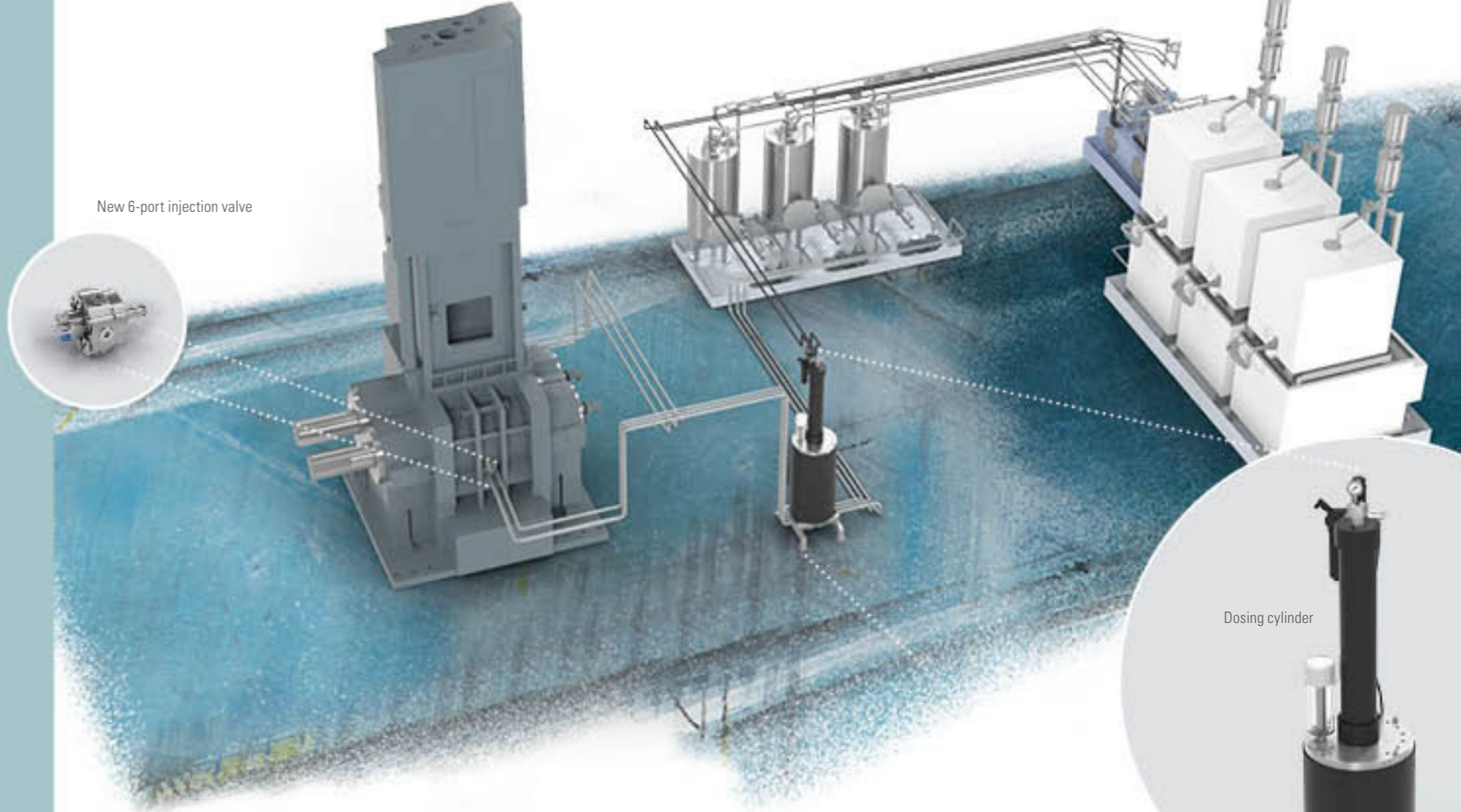
INNOVATIVE PRODUCTION

Dosing in sealed systems.
Temperature control up to 80°C.

Liquid Dosing System (LDS): No product loss – reliable – clean!

Accuracy has a new name: With Zeppelin's new LDS, dosing is achieved safely and more accurately, in a closed system, with minimal impurities from cross-contamination. Now that's technological leadership!

NEWS



New 6-port injection valve

Dosing cylinder

Advantages you can rely on

- Precise and reliable injection of low or high viscosity liquid into the mixer
- Injection valves for all mixer types
- Connection of up to 4 different liquids onto one dosing cylinder
- Closed system – highly safe
- Modular system – retrofittable into existing plants and easily expandable

- Minimal cross-contamination
- Fully automatic control and recipe management

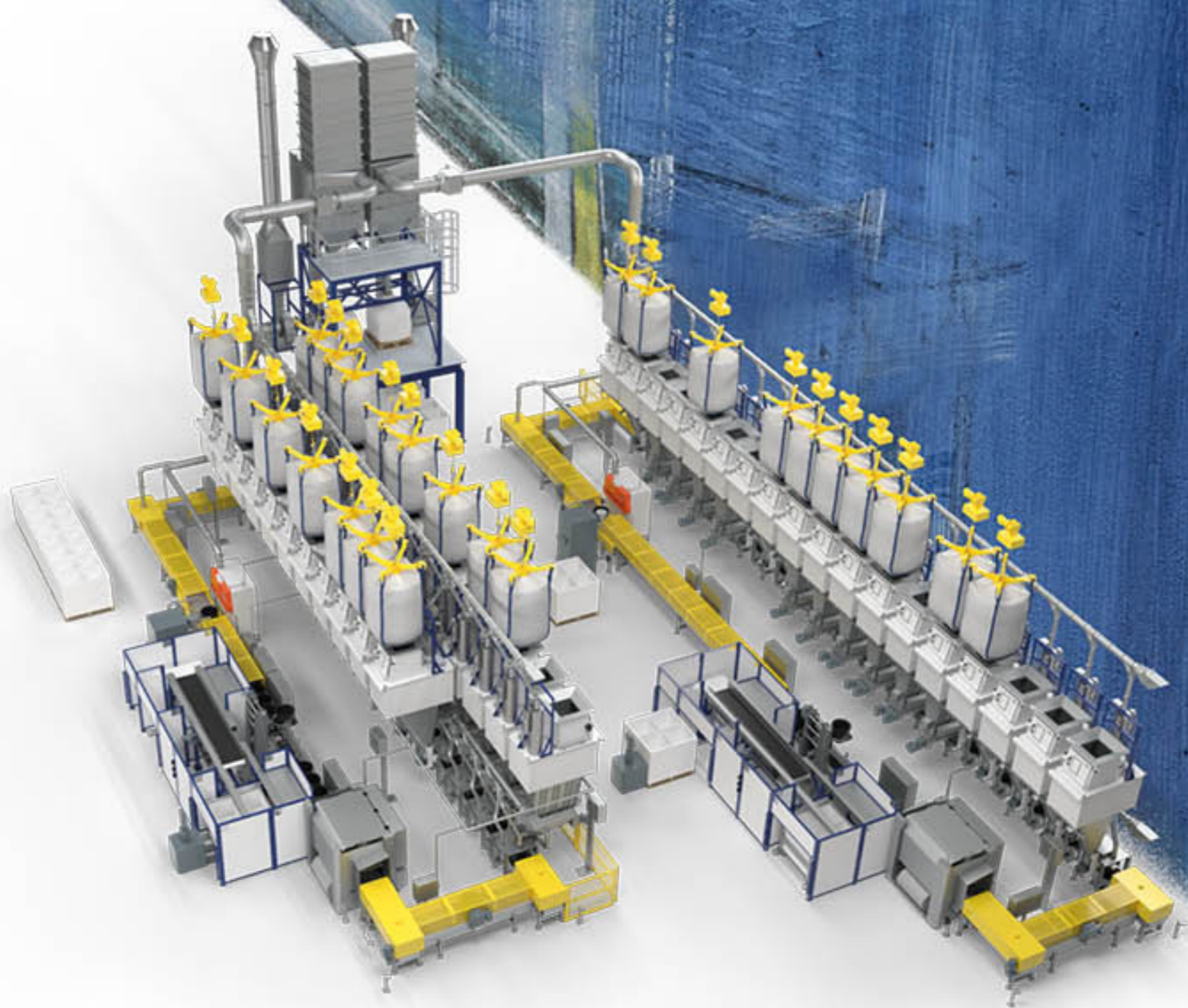
New 6-port mixer injection valve

- One single valve can inject up to 6 liquids
- Minimal cross-contamination, minimal size, maximum efficiency



New, fully automatic Small Components System

Safer. Cleaner. More accurate. Fully automatic. Dosing of small ingredients directly into the bag – high precision without cross-contamination. This system operates at the highest level of operational safety and up-time with consistently accurate dosing and weighing ensuring the quality of the recipe as well as complete traceability of the raw materials used.

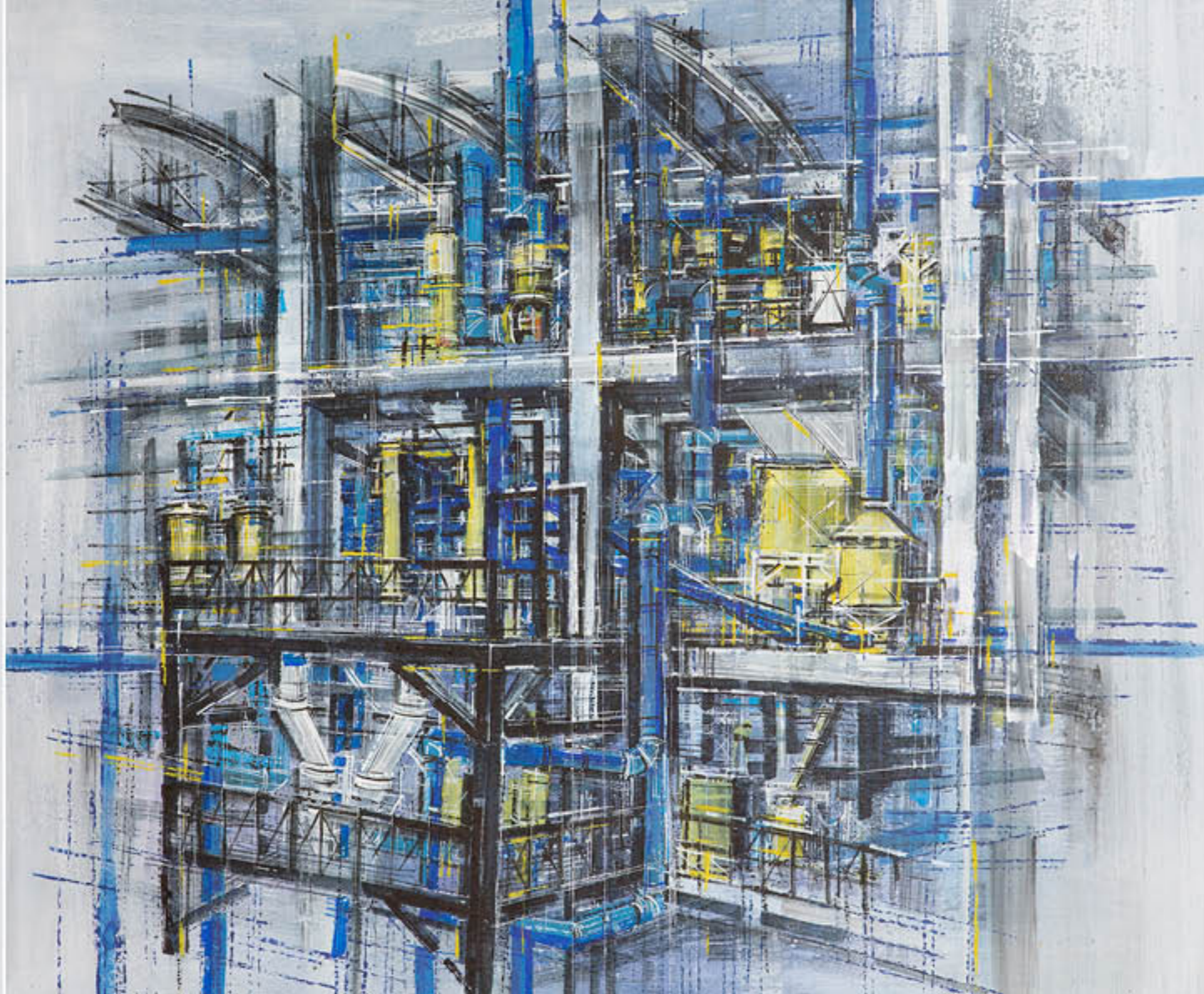




RELIABILITY

We have built more than 2,500 plants all around the world handling many different products. Always with the same result: Success. We look forward to meeting your challenge!

SUCCESS

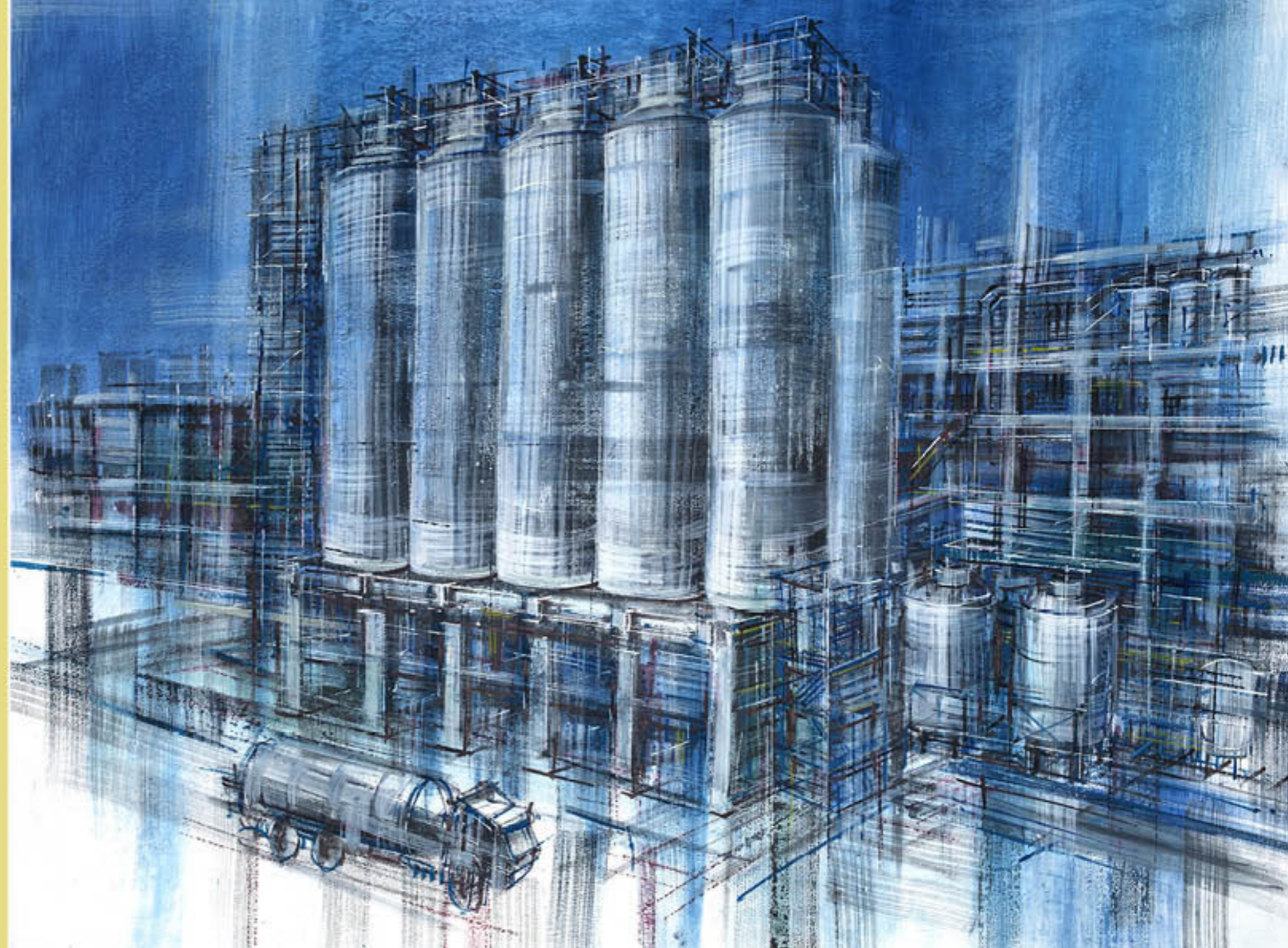


Excellent planning is only half of the battle. Perfect execution wins it. As architects, we design your entire system so that you achieve maximum efficiency. As plant engineers, we deliver the plant precisely the way you expect us to: fast, trouble-free and with precision interfaces.

CONFIDENCE

Knowledge. Experience. Know-how. And state-of-the-art design tools that leave no doubt.

Whether you are planning a greenfield plant or modernizing an existing plant: 3D technology ensures precise layouts and prevents errors from escaping the design phase.



NEW CHALLENGES FOR YOUR PLANT – FOR THE INDUSTRY

Trust becomes even more important when there are vast changes ahead. Rely on the industry's trendsetter: Zeppelin.

Modernization with 3D scanning technology: After years of reliable operation, many plants require refurbishment or are in need of upgrades to meet new regulations.

Recycling: Zeppelin is the world leading manufacturer of tire recycling plants. Rubber waste processed into powder can be recycled and reused immediately in the production of new tires by using an "activation" process.

3D scanning – precision at the touch of a button

This innovative scanning technology ensures quick data collection, measurement and visualization of your plant. The very accurate data is then converted into a 3D model. Retrofitting your plant is then carried out quickly, reliably and without unexpected surprises.

A quantum leap in tire recycling

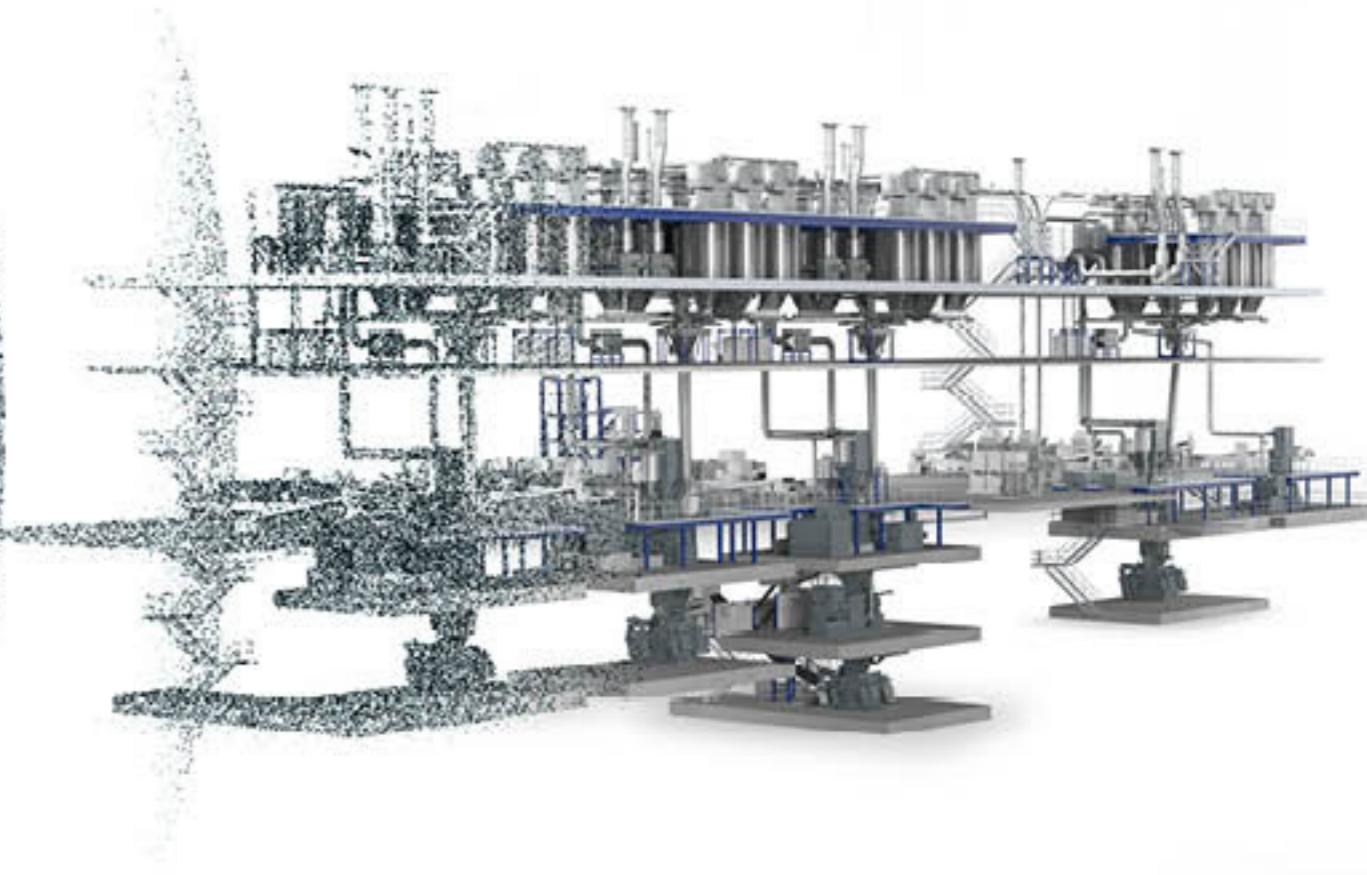
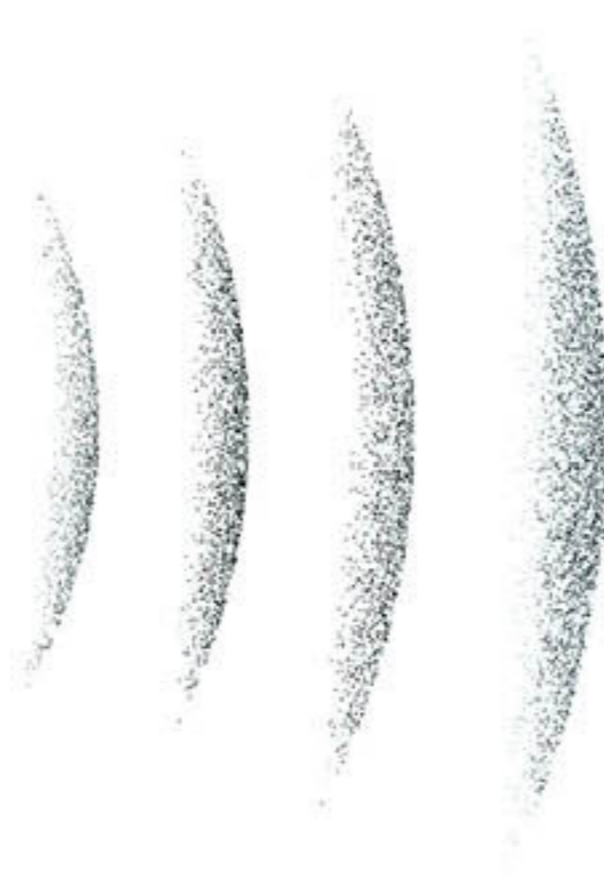
The process separates organic compounds found in vulcanized rubber pellets through the use of temperatures of between 350°C and 700°C, in an inert atmosphere. In addition to producing oil and pure gasses which can be used for energy and heat generation, CO-neutral carbon black remains. This is a world first. It was also found to meet the highest level of quality by eminent independent laboratories and institutes.

New dimensions of conveying technology

Zeppelin has reengineered its conveying technology: much faster installation and higher capacities at a lower cost was made possible through innovations such as transportation of carbon black and silica in a single pipe. New components, intelligent products, high-end performance.

pyrolyx AG
nachhaltig. wirtschaftlich. spezialisiert.

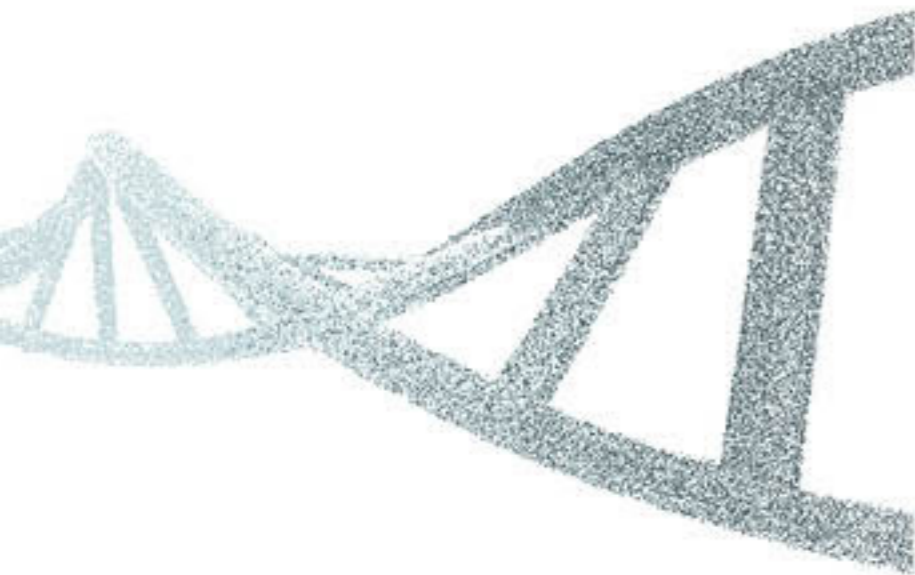
Together with our project partner Pyrolyx we build plants for recycling used tires. We produce high-quality carbon black that meets the most stringent quality requirements.



LEADING EDGE

You have the imagination – we have the technology.
You are making big plans – we'll make them great.
You get an outstanding architect.

The architect of your visions



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