



ALL INCLUSIVE
Customized turn-key plants

Presented by:

Global presence

- Belgium
- Brazil
- China
- France
- Germany
- India
- Italy
- Korea
- Russia
- Saudi Arabia
- Singapore
- United Kingdom
- USA

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Turn-key plants

ENGINEERING YOUR SUCCESS



Zeppelin Systems, the world leading plant manufacturer for high quality bulk material handling, has remarkably grown over the past 60 years. We cover the demands of a wide range of industries and supply all plant manufacturing services from one single source, whether basic engineering, in-house production of components, final assembly or comprehensive customer service. Thanks to our financial strength and our global network, we have long been a reliable partner for our customers.

Every Zeppelin plant is developed according to the clients' specific requirements, and realized, thanks to our customized innovative processes and technologies.

The knowledge we have acquired over more than 60 years of plant manufacturing and the world's largest network for bulk material handling is the key to providing ideal solutions, whatever the challenge; after all, your success is our goal.

Zeppelin plant engineering – business fields

Polyolefin Plants

Plants for plastics producers and forwarders

Plastics & Rubber Plants

Plants for the plastics processors and rubber industry

Food Processing Plants

Plants for the food, confectionery and baking industry

Mixing Technology

HENSCHEL-Mixers®, mixing systems

Silos

Storage silos, mixing silos, process silos

Components

Rotary feeders, diverter valves, discharge and dosing units, sifters, filters ...

Service

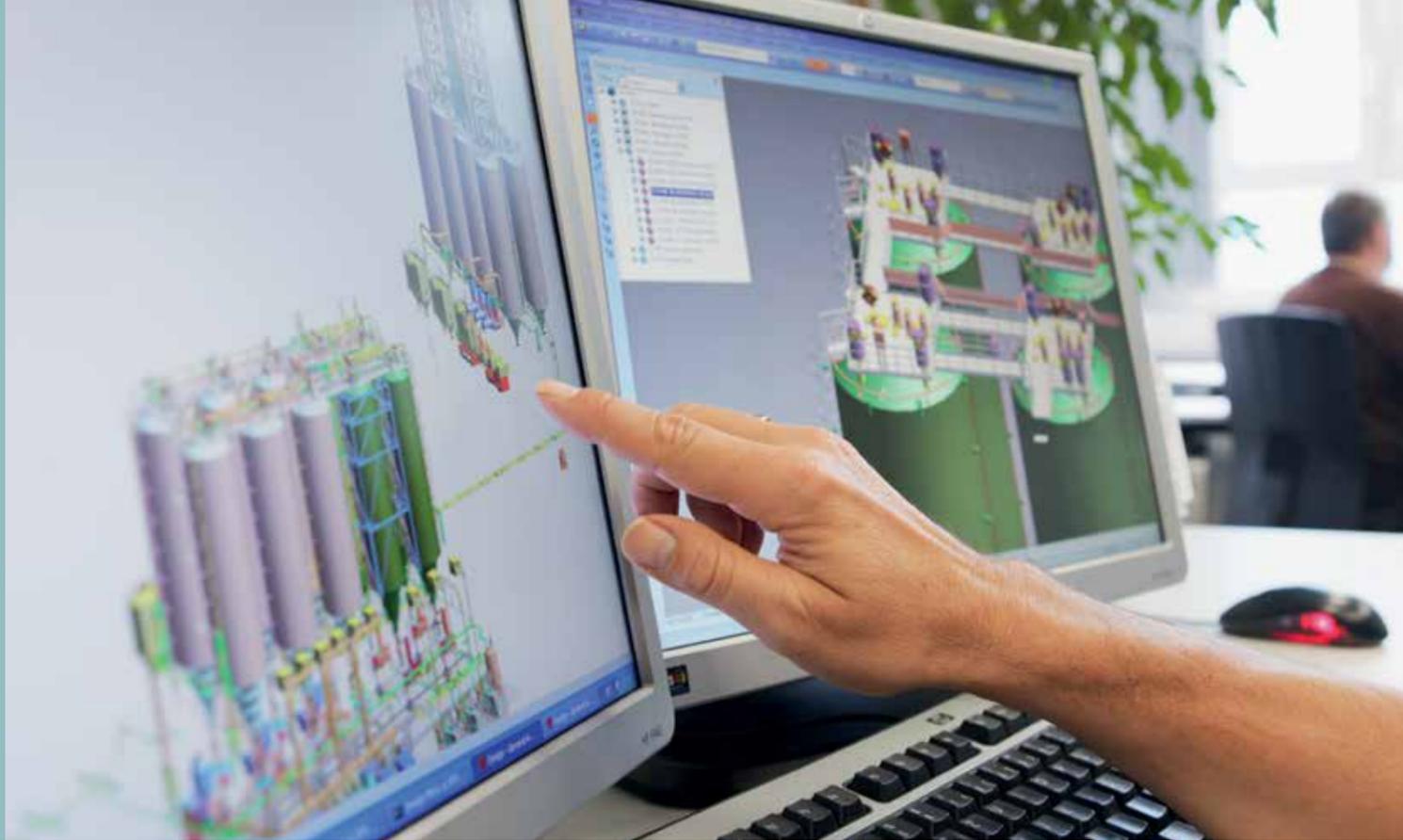
Spare parts, customer service and consulting

Modernization/Revamping

Optimization of production lines and plant controls

THE COMPREHENSIVE CAREFREE PACKAGE

You want to be able to rely on a strong partner to manufacture your plant? Then let Zeppelin be your first choice as general contractor.



All inclusive

We do all the necessary work so you can concentrate on your core competences. From the demand assessment and site analysis to the definition of the utilities and dealing with the authorities or the legal regulations to observe: our package contains many services.

The concept is specifically tailored to your needs and implemented from a single source. Whether silo and conveying technology, civil engineering, detailed design, site installation or commissioning: we have the expertise, we manufacture key components in house and when selecting our partners and suppliers, we focus on high quality, efficiency and reliability.

Zeppelin as a general contractor:

- Complete system designed to meet your requirements
- Innovative concepts and proven technologies meeting defined specifications
- Fast plant availability thanks to reduced interfaces and optimized processes
- Coordination of all external suppliers
- Single contact for minimized interfaces
- Optimized investment and operating costs

Requirements: Products, quantities, capacities

Laws: Waste water, exhaust air, waste material

Authorities: Authorization, deadlines, costs

Design studies: Simulation, value engineering, cost estimates, studies

Utilities: Scope, quality, prices

Infrastructure: Concept, local situation, transport connection

Safety: Health & safety at work, risk minimization

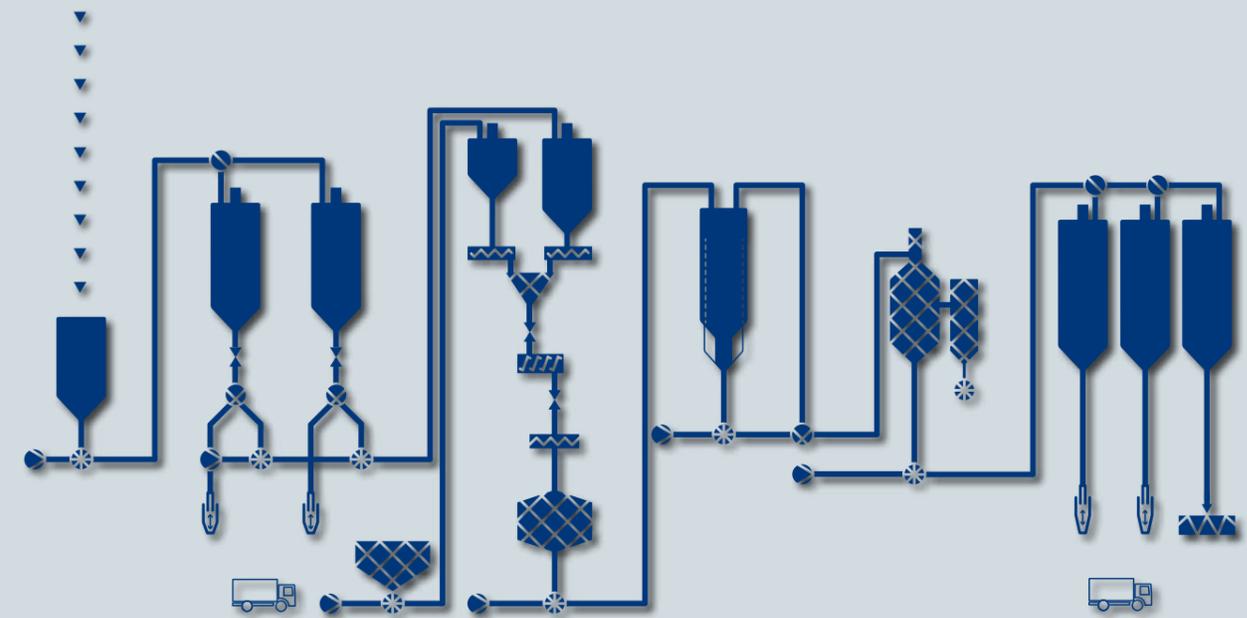
Energy and cost optimization: Efficient concepts, cost saving potentials

“CUSTOM-MADE” INSTEAD OF “OFF THE SHELF”

At Zeppelin we work as a partner to develop the concept, fill in the details and then rapidly implement the solution on site. This enables you to benefit from our broad range of services, our long-term experience, intelligent solutions and innovative products – keeping your investment and operating costs low.

We tailor your plant specifically to your needs:

- Optimized material handling from degassing up to the bagging
- Target-oriented conveying systems
- Innovative components
- Single or twin floor concept
- Process-oriented silos
- Maximum flexibility at bulk loading
- Individual warehouse systems



QUALITY IS OUR STANDARD

Polymerization

Conveying technology

Extrusion

Blenders, silos and conveying technology

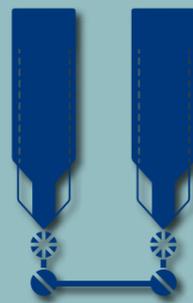
Packaging and control systems



The architect of your visions

ALL DISCIPLINES UNDER ONE ROOF

As a general contractor we combine all disciplines to provide you with a conclusive concept.



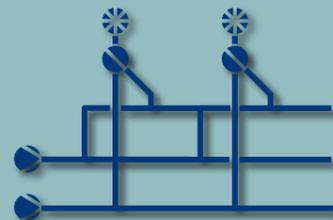
Silos and blenders:

Aluminium or stainless steel silos for storage, blending and homogenization. From design and production to assembly (including steel structure and complete equipment). We also manufacture process silos, e.g. for degassing.



Control technology:

Structuring complex processes in a complete plant as well as transparent and continuous tracking are the main keys to success. You can automate your plant individually, reliably and transparently with the appropriate machine control, complex control system or warehouse management system.



Conveying technology:

Design, planning, manufacturing of in-house components, delivery and assembly on site as well as commissioning, consulting and problem solving: Zeppelin provides complete conveying systems.

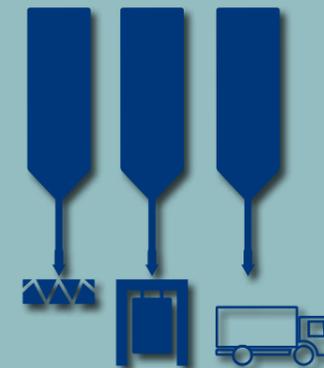
Extrusion technology:

The extruder is an essential part of a polyolefin plant or a compounding system. Its concept has to be tailored to the process and bulk solids and therefore to the quality of the product. All process steps, from dosing to the extrusion process as well as pelletizing, will be considered to provide you with the right solution according to your requirements.



Packaging technology:

Optimal performance and high weighing accuracy – in connection with dust-free filling of packages, silo trucks or containers – are key features in today's modern plants. Whether the filling of octabins or Big Bags, manual or fully-automated packaging, an FFS-machine or a complete packaging line containing the palletizer system and packaging technology, we fulfill all your needs.



Civil engineering and warehouse technology:

Civil engineering, design planning, authority management, construction supervision and project management are essential to the construction of a turn-key plant. We cover all areas of civil engineering such as underground, hall and building construction including the necessary facilities.



OUTSTANDING PRODUCTS WITH SYSTEM

When Zeppelin pushed the development of its plant construction many years ago, it was clear to all that only unconditional quality strategy would lead to success. This is why we decided to develop and manufacture our plants' key components ourselves.

First-class key components

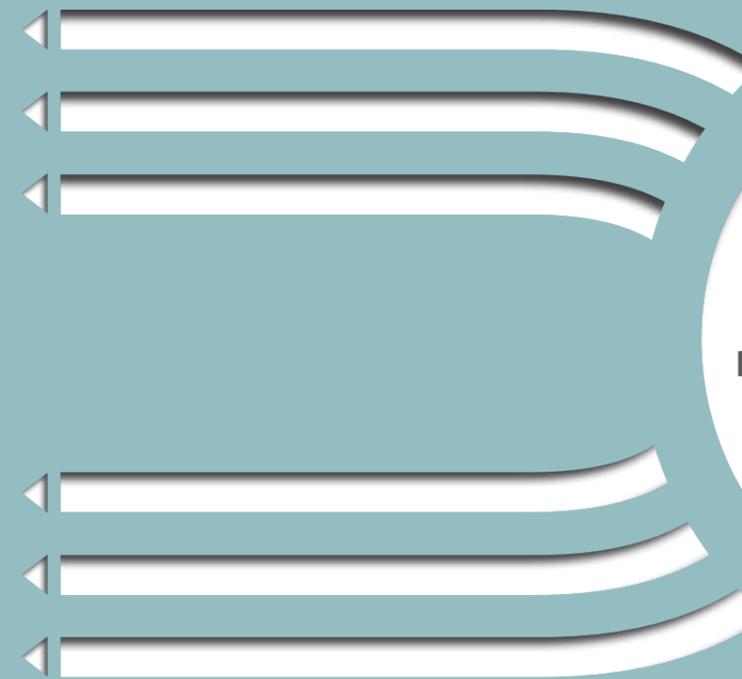
In the meantime, we have become one of the leading plant manufacturers for bulk solids. We also sell subsystems such as silos and blenders, rotary feeders and diverter valves, conveying systems and many more to other plant manufacturers. We have a good conscience about selling equipment which we actually incorporate in our turn-key plants.

Our Technology Center – your advantage

For the development of our turn-key plants we naturally take advantage of all resources available to leading plant suppliers such as ourselves. Tests on an industrial scale are carried out in the world's largest Technology Center for powders and pellets in Friedrichshafen. Here, new products are developed, the functionality of existing equipment is tested and current processes are optimized. This includes rigorous in-house quality control of all components by qualified staff.

Quality experts at work

At Zeppelin we can rely on excellent specialists who are masters of their trade. The requirements to each individual component are known best by those who design and build complete systems. Our employees in development, manufacturing and installation, quality assurance and other departments are all quality experts.





EVERYTHING FOR OUR CLIENTS

You can rely on Zeppelin Systems' first class service. Our job doesn't end with the design of your plant; we also carry out the assembly and commissioning – all over the world. We offer training for your personnel as well. This includes qualified instructions in process technology, proper maintenance and reliable and safe operation of the control system. You can also rely on us for the development of safety standards.

Maintenance work, inspections and repair as well as spare parts delivery are naturally part of our scope of services.

EXCEEDING TECHNOLOGY: the people at Zeppelin



Whether partner, supplier or entrepreneur – it's the people that make a difference. Zeppelin values teamwork within the global network, in collaboration with our customers or in one of many project groups that actively contribute to our common success.

We know that outstanding technology alone does not make you successful internationally. For that, you also need employees that are able to meet the local requirements and make use of our worldwide expertise.

That's why you will find Zeppelin in every corner of the world where functionality and reliable operation are highly valued.