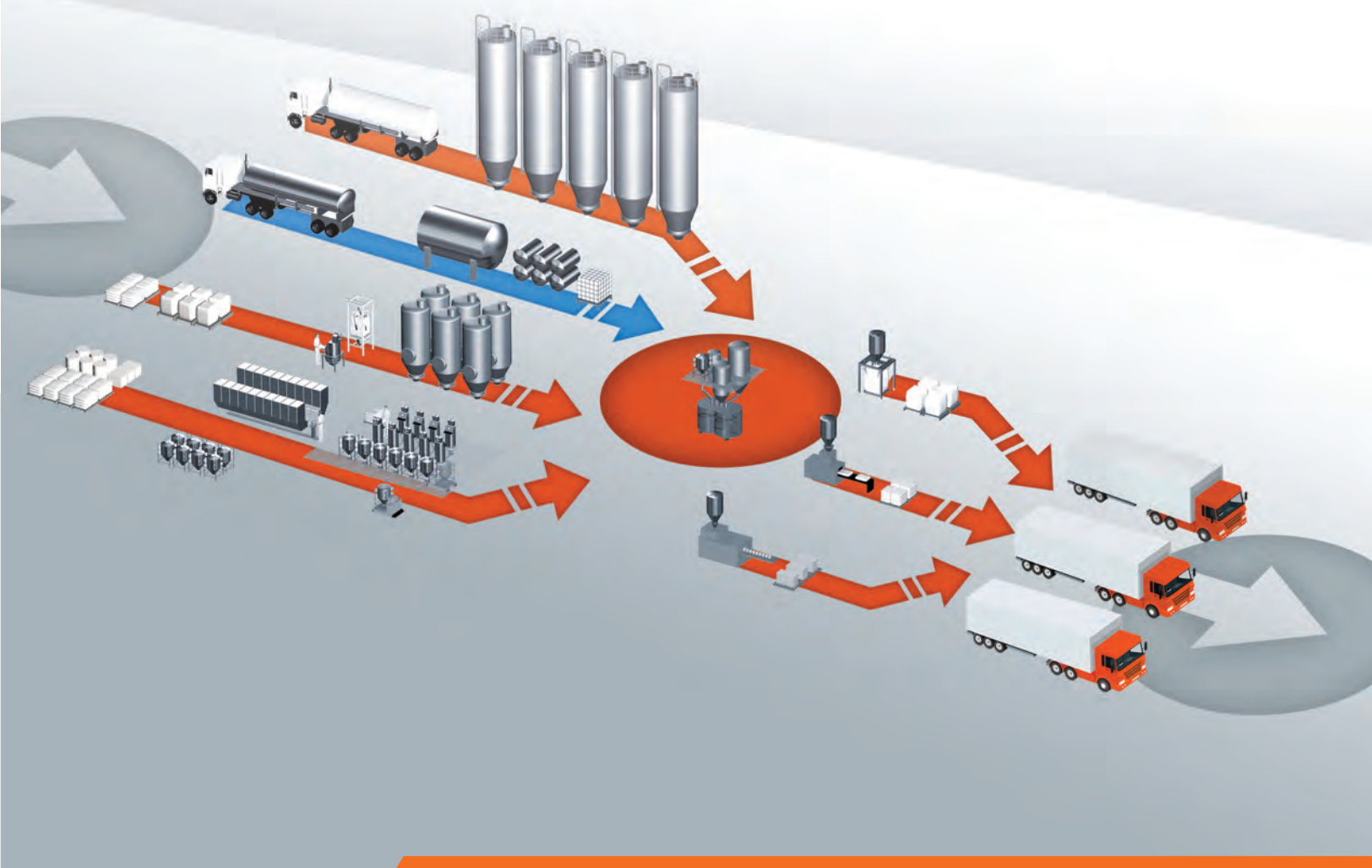


FROM CHALLENGE TO SOLUTION

INGREDIENT HANDLING AUTOMATION



MORE THAN 1,000 PEOPLE
AROUND THE WORLD



70 YEARS EXPERIENCE

AZO.[®]

PRODUCTION EXCELLENCE

AZO is the global specialist in automating raw material powder and liquid handling according to client needs.

AZO's customers benefit from AZO's single source approach, from the first idea for handling individual ingredients to a fully integrated turnkey solution, the complete plant ready to run: Process design and technology, process construction and process IT, all perfectly matched.

AZO ensures accurate and consistent raw material handling in semi to fully automatic processes. Regardless of whether handling bulk materials, minor, micro or liquid components in static or often changing recipes: Right to the point: In the exact quantity and at the right time.

Future-proof and innovative powder handling process technology and ground-breaking process IT for the highest quality standards

in the areas of foods, pharmaceuticals, plastics and chemicals. Above all AZO's success is based on the quality and reliability of AZO's powder handling solutions as well as on more than 70 years of experience supplying winning ingredient automation solutions. Today, AZO is one of the world's leading companies in the automation of bulk powders, minor and micro ingredients as well as liquids. All round the globe, AZO supports successful companies in turning their innovative projects into reality with state-of-the-art powder handling processes and technologies.

Evolve your business with AZO's winning ingredient automation and achieve production excellence!



ENGINEERING EXCELLENCE

AZO's regional office, AZO Ltd., is situated in **Bangkok, Thailand**. From this location, AZO provides reliable and winning material handling automation solutions to customers in **Southeast Asia, Australia and New Zealand**. Furthermore, AZO has established offices in Jakarta, PT AZO Automation Services, and in Kuala Lumpur. Agents represent AZO in Vietnam, Australia, and New Zealand.

AZO Ltd. experienced engineers help customers to specify their exact needs from material reception along the value added process such as mixing to the packaging line. AZO designs the processing system and integrates the mechanical process with its own AZO automation system. AZO installs the system onsite and completes the commission as well, all from a single experienced source! We claim engineering excellence! **Furthermore, customers benefit from our flexible sourcing strategy. While all the equipment may be sourced from Europe, we have qualified local partners to provide equipment according to our standards and customer requirements.**

To complete the AZO Ltd. process portfolio, we work closely together with our preferred partners in mixing, Amixon and Mixaco. For pipe works we cooperate with Jacob Rohr, and Airsweep is our preferred partner for material activation.





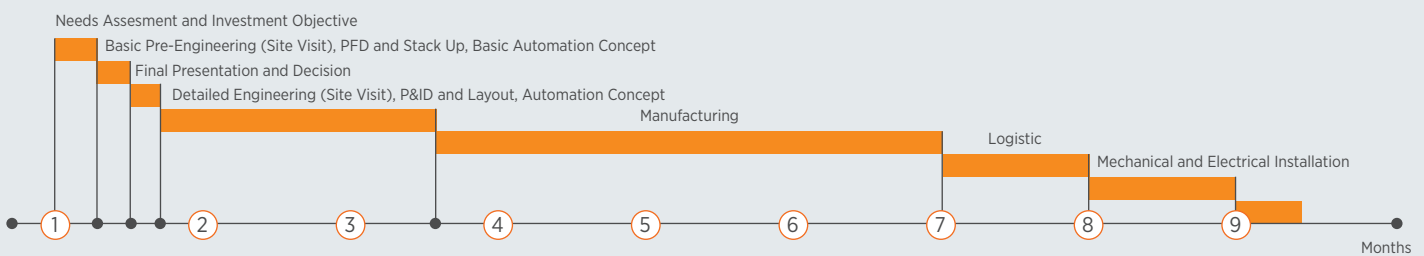
PROCESS EXCELLENCE

There is no process automation without process IT. Therefore, AZO provides control systems as well, integrating the process equipment to an efficiently running system with a constant quality output.

Depending on customer requirements, the automation can be realized as a semi automatic or even a fully automatic process with options available such as production reporting, tracking and

tracing or even maintenance monitoring.

Besides instruments and sensors, AZO provides the PLC system, often with Scada visualization and HMIs. **For more complex system, AZO proposes control systems with recipe management as well as data exchange with the ERP system.**

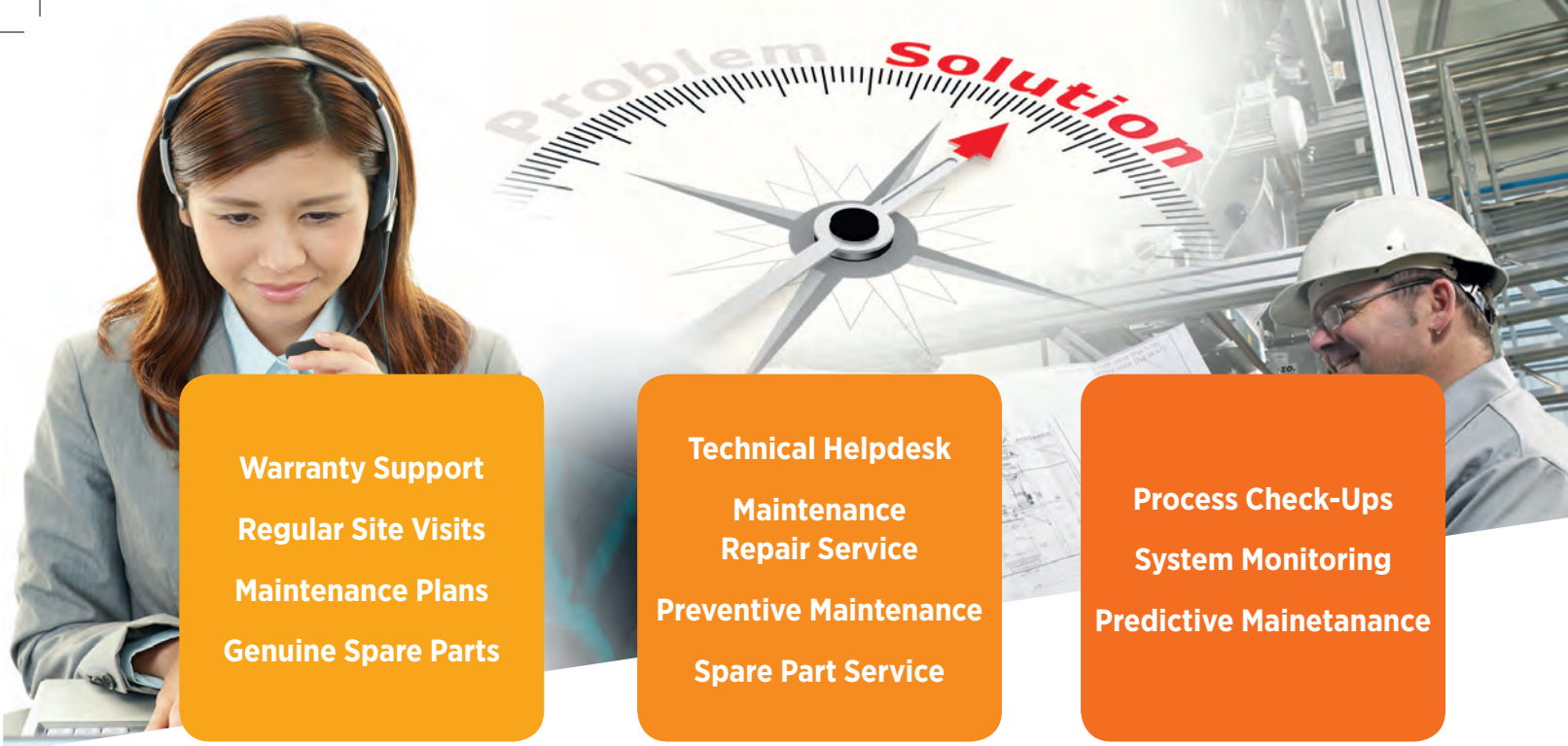


PROJECT EXCELLENCE

To plan and execute an efficient and productive raw material handling system has to be done diligently. **A typical project starts with defining exact needs and defining investment objectives.** Required information is for example the actual and target production data as well as a layout to complete the basic pre-engineering, followed by detailed engineering, elaboration of the

P&ID as well as the automation concept.

Once layouts and designs have been agreed upon, the equipment goes into production. **After shipment from the factories to the destination, mechanical and electrical installation will commence.** The project will be completed with commissioning of the process.



Warranty Support
Regular Site Visits
Maintenance Plans
Genuine Spare Parts

Technical Helpdesk
Maintenance Repair Service
Preventive Maintenance
Spare Part Service

Process Check-Ups
System Monitoring
Predictive Maintenance

SERVICE EXCELLENCE

A good productivity and constant quality is only achieved, if the powder material handling system is maintained well. Therefore, AZO offers extensive service packages to its customers. Besides the common spare parts, especially regular maintenance plans executed by AZO service technicians are crucial to avoid unnecessary down times and to maintain productivity on the

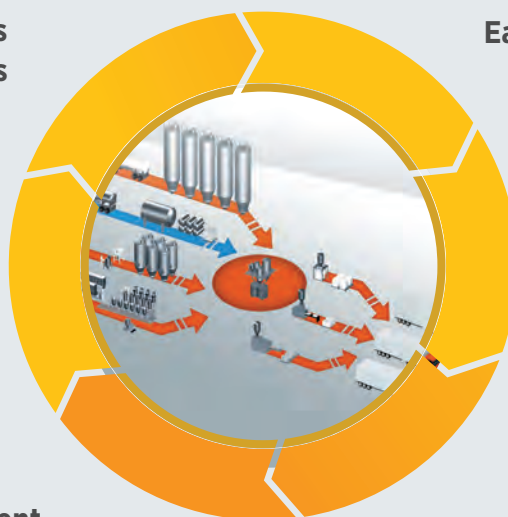
highest level. Preventive maintenance helps staying efficient, replacing wear and tear parts before their operating life comes to an end.

Furthermore, process check-ups facilitate to improve performance of existing systems also increasing the productivity.

Material handling systems designed to market needs

Low waste at low operating costs

Reliable and durable production process equipment



Easy-to-operate systems

Achieve constant high quality output

Less down time

AZO Ltd

86, Soi Punnawithi 29, Sukhumvit Road, Bangchak,
 Phrakhanong, Bangkok 10260, Thailand
www.azoasia.com