



COMPANY
PROFILE



*Delivering value to your
production*

HI-TECH, AUTOMATED
SOLUTIONS FOR THE
STORAGE, DOSING
AND BLENDING OF
INGREDIENTS.





THE STRATEGIC VALUE OF THE
MANAGEMENT OF RAW MATERIALS
IS THE KEY TO ALL SUCCESSFUL
INDUSTRIAL PRODUCTION.
TAKING CARE OF THE INGREDIENTS IS
ESSENTIAL TO ENSURING THE QUALITY
OF THE FINISHED PRODUCT.

G. Gentili, Founder

VISION

We believe in the value of people and their ideas, without which we would never have grown from a small local enterprise to a modern company recognised worldwide.

Our consistent focus is the quality and safety of our systems, and continuous innovation through research and investment will always be our driving goal.

We measure ourselves against our competition on a daily basis, and use this to ensure our continuous development and improvement.

Our ultimate aim is for our customers to be satisfied, with a clear understanding of the value Technosilos solutions provide for their business.

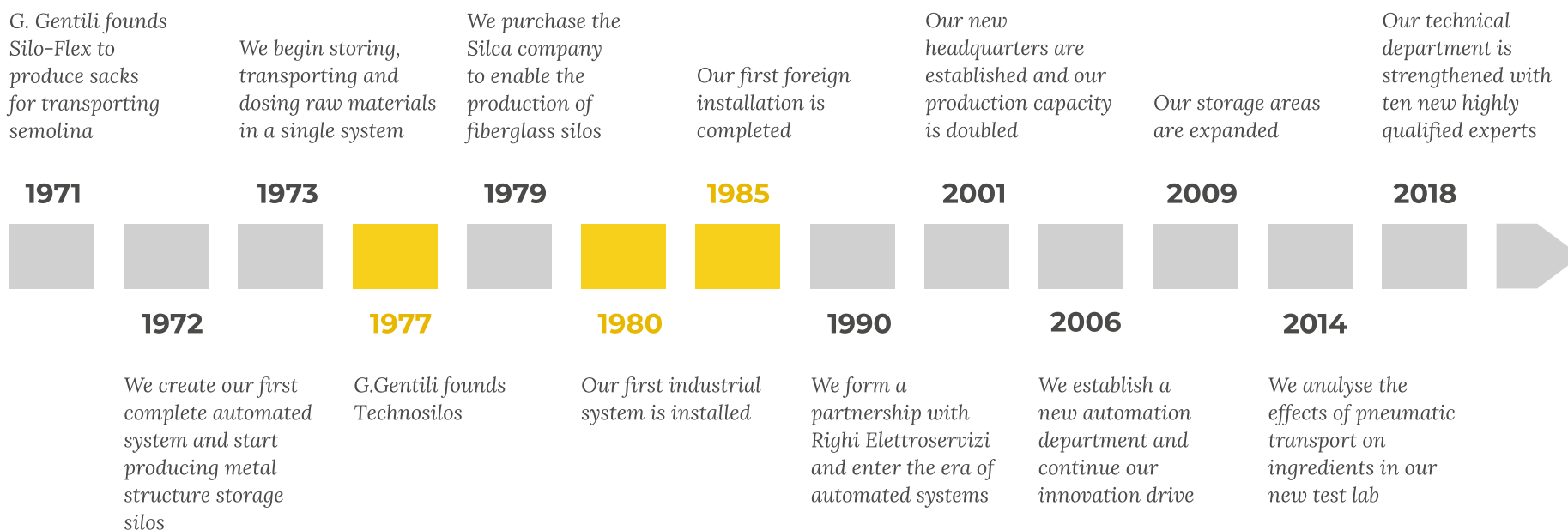
mission

A PRECISELY MEASURED MIX OF EXPERIENCE, CONTINUOUS RESEARCH AND DEVELOPMENT, AND CONSTANT INVESTMENT IN THE BEST HUMAN RESOURCES ARE THE 'INGREDIENTS' FOR OUR COMPANY MISSION.

OUR PRIORITY IS ENSURING THE SIMPLE AND SAFE MANAGEMENT OF YOUR RAW MATERIALS.

OUR HISTORY

For more than 40 years, we have offered insights, implemented solutions and developed systems for those needing to store, move, dose and mix raw materials.



WE STORE, DOSE AND HANDLE EVERYTHING WITH CARE TO ENSURE THE BEST POSSIBLE PRODUCT.

FOCUS

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FOOD

NON-EDIBLES



ADDED VALUE

PAGE 10

MODULAR, ACCESSIBLE
SOLUTIONS DESIGNED FOR
THE HIGHEST LEVELS OF
HYGIENE.

ALL ITALIAN MADE

EXPERTISE

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LOADING AND UNLOADING

STORAGE

TRANSPORT

DOSING

PROCESSING

MIXING OF POWDERS

SIFTING



RESEARCH AND DEVELOPMENT

PAGE 12

TEST LAB

AUTOMATION



FOOD

OUR DAILY BREAD: A MIXTURE OF MANY FLOURS

BAKED GOODS: YOUR TURNKEY SYSTEM FOR THE
PERFECT DOUGH

Suitable for everything from industrial baking, to sweet and savoury leavened products, sponge and snack cakes, biscuits and wafers, pastries and pizza

PASTA: YOUR INGREDIENTS ARE HANDLED WITH THE
UTMOST CARE

Solutions for dry and fresh pasta, scrap recovery and cous cous and extruded snacks

POWDER MIXING: YOUR COMPLETE AND CUSTOMISED
SOLID AND LIQUID MANAGEMENT SYSTEM

For the mixing of instant drinks, cake mixes, ice creams, mixtures for sweets and pastries, chocolate and cocoa powder





NON-EDIBLES

SOLUTIONS FOR NON-EDIBLE INGREDIENTS

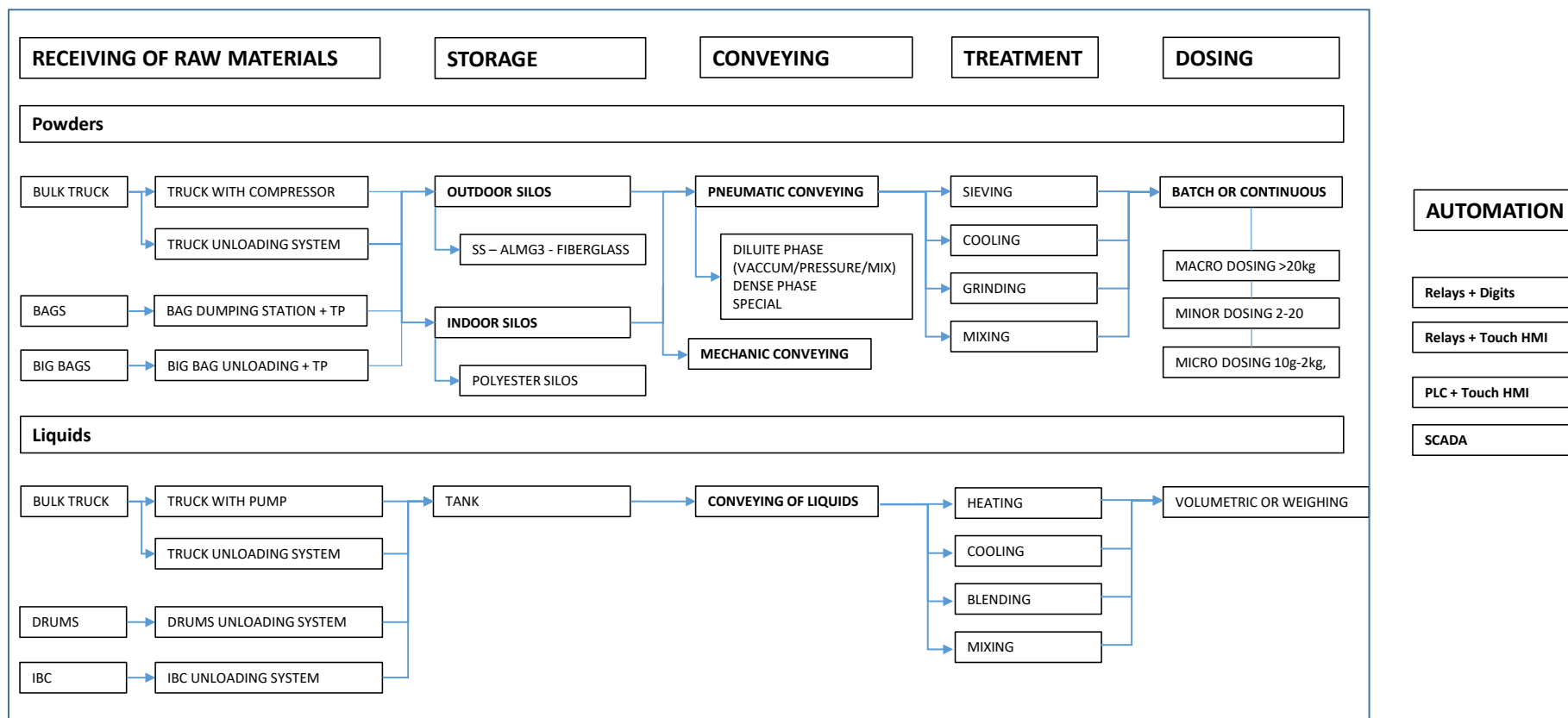
PAPER - MANAGING CaCO_3 MAKES ALL THE DIFFERENCE

CARDBOARD - THE RIGHT SENSORS PRODUCE A RELIABLE ADHESIVE

CERAMICS - OUR PATENTED INNOVATION ENSURES A HEALTHY WORKING ENVIRONMENT

EXPERTISE

OUR PARTS MAKE UP THE WHOLE



THE PERFECT BLEND OF EXPERIENCE, KNOW-HOW AND QUALITY



Significant industrial developments are driven by the desire to meet a basic requirement. Our journey is a case in point. From the production of flexible sacks, to storage silos and our current generation of automated systems, our singular focus has always been to meet our clients' primary needs.

As such, we use the same guidelines for each and every project we undertake:

MODULARITY - We use a standardised modular base for every Technosilos system. Our technical department then make modifications and additions to ensure we achieve the desired result. Therefore, the automatic systems we manufacture for the management of raw materials are never definitive, but developed over time. This is because we know **flexibility of production is of great value to the market.**

HYGIENE - We incorporate the most up-to-date information into our design criteria to ensure the highest level of hygiene in production. This is because **safety comes first.**

ACCESSIBILITY - We don't see the start-up of our system as the end of the project. Rather, it's the beginning of a new activity. Consequently, maintenance and cleaning play a key role in the correct operation of our transport and dosing systems. This is because **operations must be simple, quick and sustainable.**

QUALITY - Our technical department only use certified, high quality, reliable materials in our system production. This is because **the efficiency of a system is ultimately determined by its core components.**

ADDED VALUE

FROM 'E' FOR ENGINEERING TO 'S' FOR SERVICE

A single point of contact for your engineering, production, installation, commissioning, maintenance and project management needs.

Designing a production system depends on insight and foresight. That's why we begin every job by listening. As proactive consultants, we closely examine your company's unique characteristics, including the ingredients to be processed and the procedures to be followed.

NEW SYSTEMS

EXISTING SYSTEMS

MECHANICAL | ENERGY | CIVIL | ELECTRICAL | LOGISTICS | IT

PROJECT MANAGEMENT

SUPPORT OBTAINING INCENTIVES AND TAX RELIEF FOR YOUR INVESTMENTS

Our skilled technicians and engineers assess and analyse every potential improvement to your productivity, safety and flexibility, across your new and existing systems. Our qualified project managers then reduce your critical issues and risks, ensuring your project runs smoothly and on time.

We also guarantee correct on-site installation and commissioning and train your relevant personnel to ensure your new production procedures align with your requirements.

Maintenance, repair and a timely supply of spare parts are just part of our service, while fast, punctual service and regular repair visits prevent long, costly machine stoppages.

We do this because, at the end of the day, the effectiveness of the solution used to manage your raw materials is determined by the efficiency by which it achieves its goal.



RESEARCH AND DEVELOPMENT

LAB: RAW MATERIALS ARE THE FUTURE

To ensure we design systems and processes that are as efficient as possible, we take the time to examine your raw materials and their characteristics to foresee their behaviour during the transport, dosing and mixing phases.

Our LAB department has a specific goal: to study each individual aspect, principal and collateral influencing the ingredients during their pneumatic conveyance.

In partnership with the Engineering Department at the University of Bologna (DIN Alma Mater Studiorum), we have built a state of the art laboratory where we:

- Analyse and assess the values that affect pneumatic transport | WE USE A PIPE THAT IS MORE THAN 70 METRES LONG
- Predict the acceleration of solid ingredients in the pipe to prevent issues like blockages | WE USE TPSIMWIM 10, A UNIQUE FEM SOFTWARE APPLICATION FOR PNEUMATIC TRANSPORT SIMULATIONS
- Develop experimental granulometric curves for the powders being tested and perform sieve analysis before and after the transport phase to establish the degradation of the conveyed raw material | WE USE THE OCTAGON 2000 DIGITAL ENDECOTTS SIEVE SHAKER
- Analyse the quality of water in the transported powder. By measuring this before and after the transport phase, we can quantify the exchange of water between the powder and their air used for transport | WE USE A SARTORIUS MA 150 MOISTURE ANALYSER

RESEARCH AND DEVELOPMENT

WHERE ONCE THERE WAS MAN, THERE IS NOW MAN AND MACHINE

In the past, low labour costs have slowed the development of technological systems used to identify ways to manage raw materials. Thankfully, as our need for increasingly precise and sophisticated automation has increased, this problem has been overcome.

Consequently, the industrial systems used to handle raw materials today are all completely automated.

This hi-tech focus is an integral part of every Technosilos solution. Every phase of the process is monitored and customised to achieve the ultimate goal: precision, greater efficiency and the highest possible product quality.

Our automation R&D is guided by two cornerstones in our organisation:

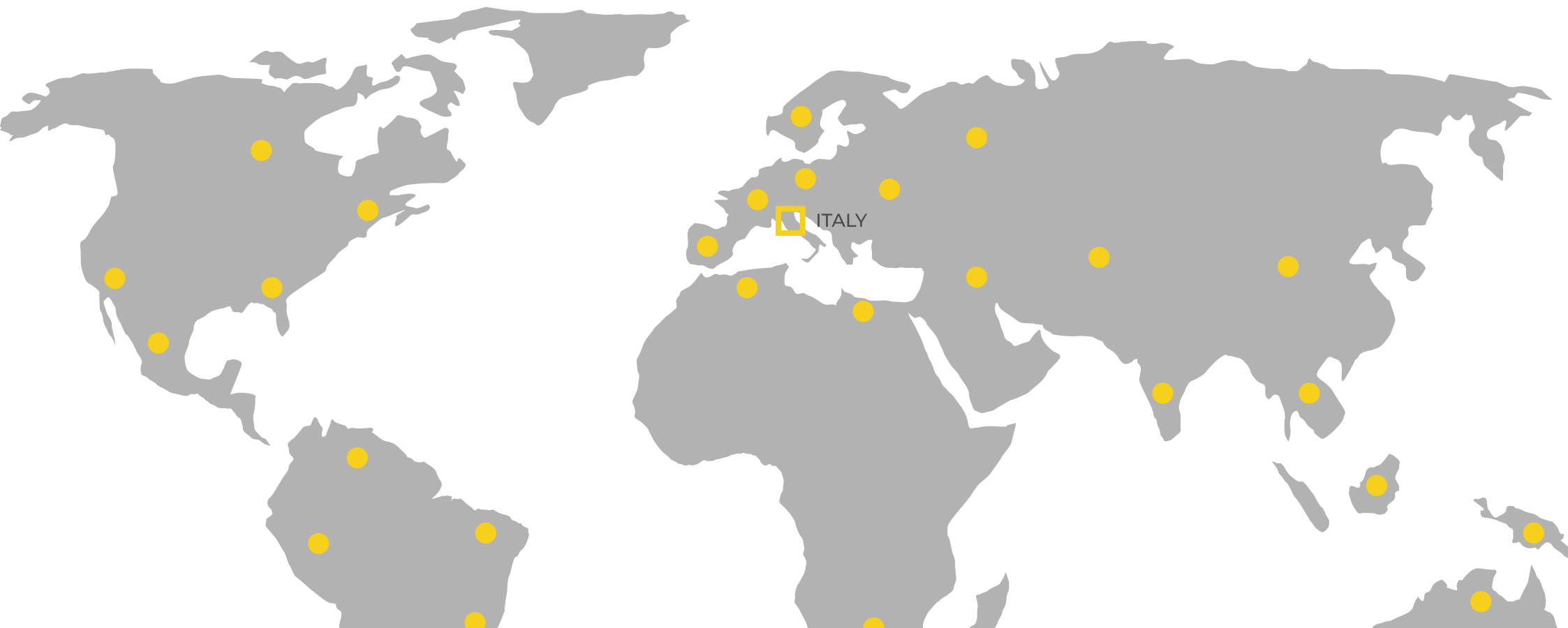
- Our internal automation department, part of Technosilos since 2006
- Our partnership with Righi Elettroservizi SpA, ongoing since its inception in 1990



TECHNOSILOS IN NUMBERS

WE ARE PRESENT IN **83** COUNTRIES AROUND THE WORLD, WITH **1,500** OPERATIONAL INSTALLATIONS MOVING **15,000** TONNES OF INGREDIENTS PER DAY, STORED IN **180,000** m³ OF STORAGE.

TECHNOSILOS AROUND THE WORLD



TECHNOSILOS FOR





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