



*Quality you can choose,
chemistry you can trust.*

dduring our history

*we have innovated
the chemical sector*

“Being able to dream is the best thing in life. Dreams enable us to fly towards the highest, most important, most gratifying aspirations that often we hardly imagined were possible. ddchem is a case to point, a dream that has come true, shared today with an extraordinary team.”

Dino Sprea

The greatest values inspire the biggest dreams.

Personal respect, quality, and helpfulness have always guided ddchem and accompanied our growth, underlying the spirit of the professionals who work in and with the company. These **values** can be traced all the way back to a partnership with Shell in the 1950s which initiated the Sprea family's business history.

Our company puts **people** first. The encounter of Dino and Donatella gave rise to the double “d” in the logo that still characterizes the company name and brand.

We have always believed strongly in innovation, but in a form that reflects the sensibility of the family, which means respect for the environment and individuals right from the start of the company history. As a brand we take an international **perspective**, referencing the whole world and testified by our branch office in Brazil opened in 2000, and our implicit propensity towards export. At the same time we maintain a robust presence in the Italian market.



The dream and history of the Sprea family continues with the new generations, who already represent the face and personality of the present and future, ready to take on new challenges on our uniquely exciting commercial and professional journey.

ddual promise
quality and flexibility



A dual spirit in a single identity.

We could have become a typical big company with big turnovers. Or we could have remained small tailor-made specialists, creating bespoke products to match customers' needs.

However, we decided to become both, and actually much more. This means a **solid business structure** acknowledged for high and consistent quality standards, combined with **great flexibility**, which we have extended to all aspects of our activity, from made-to-measure solutions for all requirements created by our R&D team, to a responsive, rapid, and helpful customer service, to our proactive production-sales sections focused on finding the most appropriate solutions in every case.

The sum of these two spirits sets us apart on an ever more diversified, demanding, and evolved market.





ddchem
chemistry you can trust

dd *discover our values*

*Profit, production, planet and people
are our 4 “Ps”, the pillars of our company
and our success.*

p *rofit*

We believe in a virtuous business model, long term financial sustainability, fuelled by constant capital reinvestment into the company.

p *roduction*

We strive for high performance products, always state-of-art, compliant with all standards, with a development that includes water based and bio-based solutions.

p *lanet*

We are committed to safeguarding the environment through constant monitoring of production efficiency, responsible management of raw materials, and efficient use of resources.

p *eople*

We provide a future for the talents of our collaborators by maintaining long-term relationships. We create space for young people, who are a precious resource for our company.



dd *irection: sustainability*
thanks to planet-friendly solutions

Respecting the environment means respect for people.

Our environmental protection measures extend **across 3 dimensions**, since our philosophy assigns maximum importance to sustainability. We consider commitment to a healthier planet not as a choice but as a duty, not an added value but a necessary approach.

This commitment takes form in:

Reducing the creation of waste by organizing and optimizing our production processes as far as possible, while promoting circular economy dynamics.



Developing new products increasingly based on raw materials that are not hazardous to human health or harmful to the environment.



Energy supplies from non fossil fuel sources (solar energy) so that our products have less impact in raising atmospheric CO₂.





dedicated
*to different
businesses
in the world of chemistry*

**Made-to-measure
for all needs.**

We are reference producers for companies operating in the Natural Stone and C.A.S.E. (Construction, Adhesives, Sealant, Elastomers) markets. Our facilities, plants, organization, and staff are the ingredients that make us major players, while applying a

tailor-made production methodology. High level performance arises from a combination of large scale capacity and the most advanced technologies: we have reactors, mixers, and pilot plants with a potential production of thousands of tons



dd

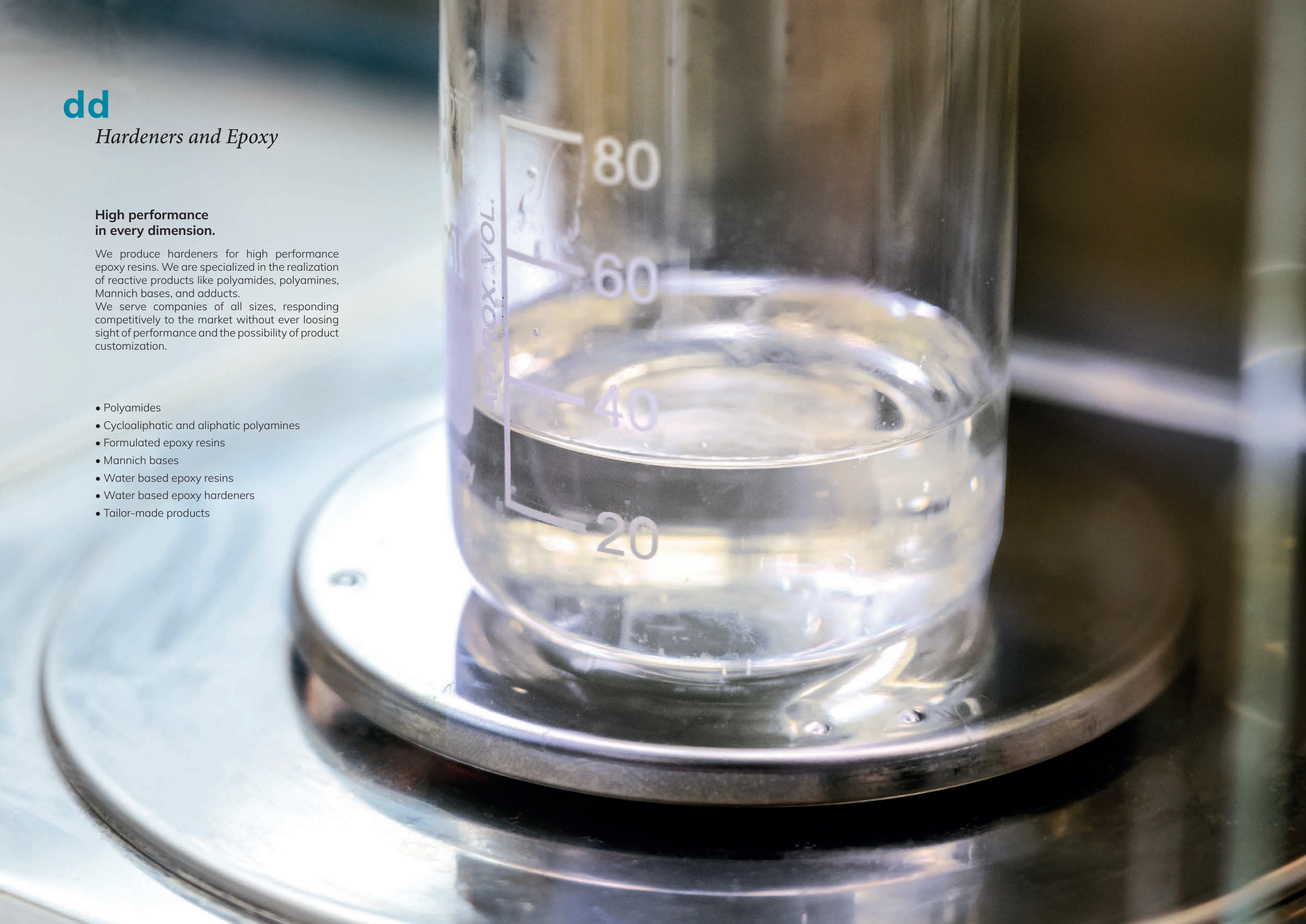
Hardeners and Epoxy

High performance in every dimension.

We produce hardeners for high performance epoxy resins. We are specialized in the realization of reactive products like polyamides, polyamines, Mannich bases, and adducts.

We serve companies of all sizes, responding competitively to the market without ever losing sight of performance and the possibility of product customization.

- Polyamides
- Cycloaliphatic and aliphatic polyamines
- Formulated epoxy resins
- Mannich bases
- Water based epoxy resins
- Water based epoxy hardeners
- Tailor-made products





dd

Natural Stone

Protect your material and enhance its beauty.

We provide bi-component epoxy systems for restoration and visual enhancement of natural stone varieties like marble, granite, onyx, quartzite, and semi-precious stones. Our resins and colourless hardeners are highly resistant to ageing and yellowing.

Mannich base hardeners are ideal for application on humid or wet surfaces and our tailor-made products offer solutions for all needs.

- Epoxy hardeners for resin coating and netting applications
- Epoxy hardeners for block reinforcement
- Epoxy systems for special applications
- Coloured epoxy paste
- Epoxy resins
- Tailor-made products



dd

Hot-Melt

**Care for details
gives top quality.**

We make solid non-reactive polyamides.
Our production method is designed to provide consistently
high quality products with great attention to all details.

Our line of hot-melt products can be used as thermoplastic
adhesives or dissolved in solvents.

dd *veloppement lab*
to resolve every issue



Customization and innovation: our Laboratory products.

For us, being on the market means being **capable of innovating it.**

Our specialists in the R&D department work tirelessly to create original solutions, applicable in increasingly diverse and ever evolving sectors.

We interpret satisfying market demand as **all demands.** Thanks to our research, experience, and laboratory team, we have made customization our strongest feature and the basic reason we are acknowledged and chosen for our **flexibility.**

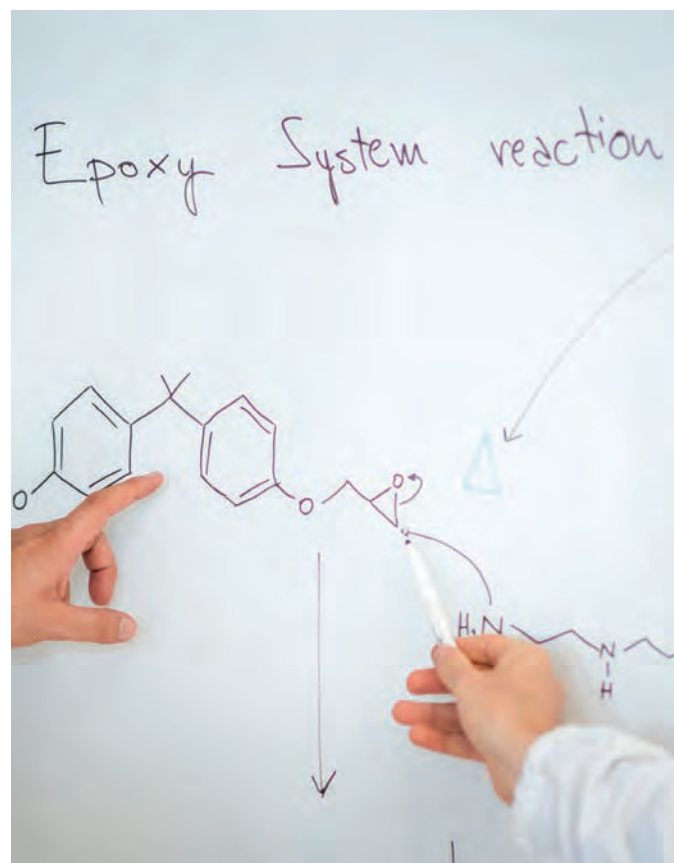
The most state-of-art technology enhances our professional capacity with analysis instrumentation that includes:

- HPLC
- Dry-Timer
- Pull-Off Tester
- DSC
- Solar box
- FT-IR
- Climatic chamber
- UV/Visible

Our responsibility is above board.

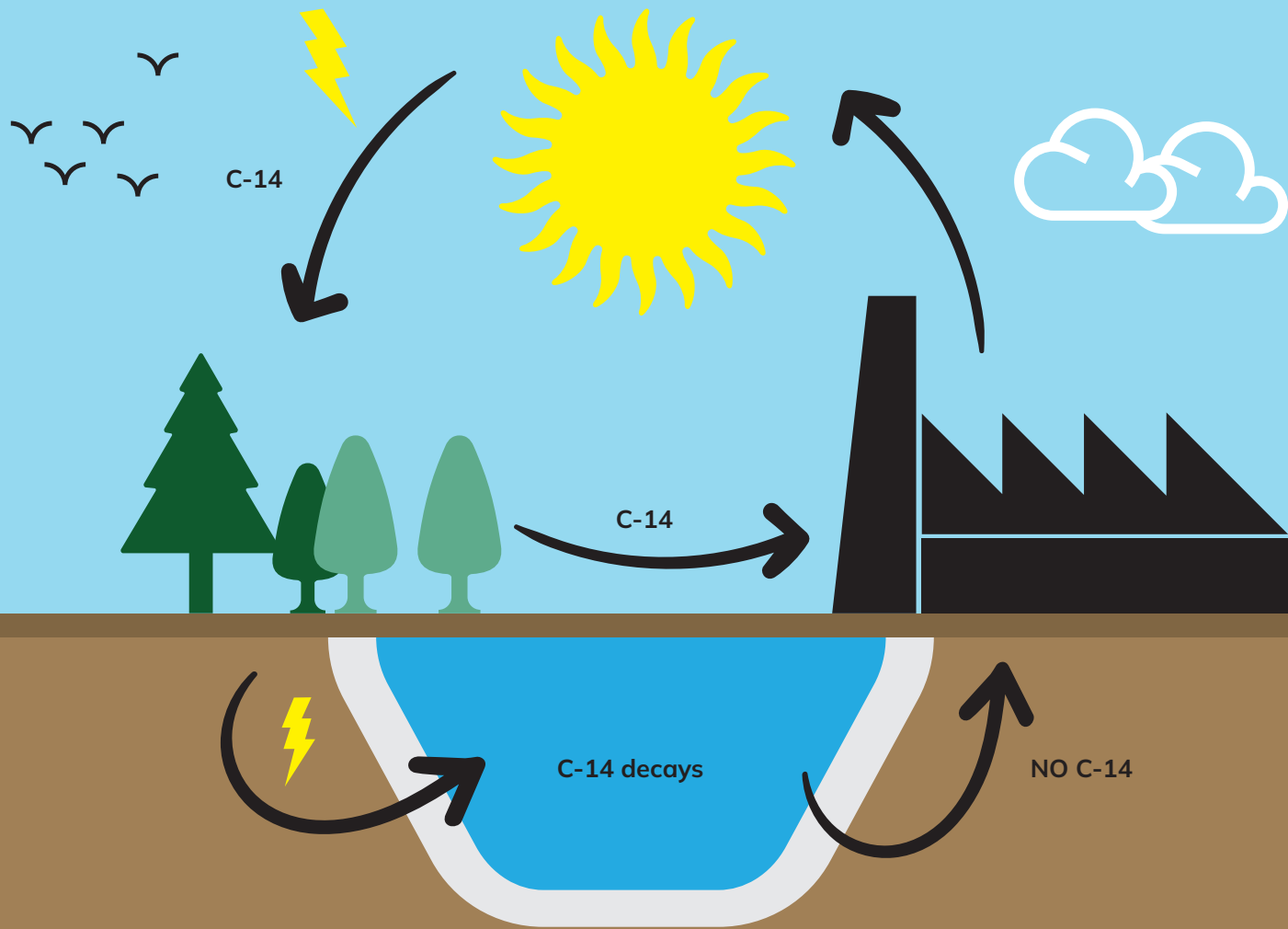
We work to guarantee high safety standards for people and the environment.

We are proud to apply a Chain of Custody based on ISO9001 and ISO14001 through which we also ensure compliance with the applicable standards, including the REACH regulation.



Biobased, a good path to sustainability

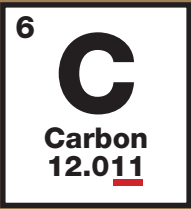
The atomic mass of carbon is higher than 12 because of the presence of small quantities of C-13 and C-14 isotopes. The C-14 isotope originates mainly in the upper atmosphere from the collision of nitrogen with high energy particles arriving from the Sun. Plants photosynthesise C-14 and assimilate it constantly during their life cycles. After they die, the C-14 decays over thousands of years, and for this reason fossil carbon sources contain less C-14.



ASTM D6866

The American Society for Testing and Materials (ASTM) describes the C-14 analysis method applied to calculate the biobased carbon percentage using the equation shown below. This equation only considers the absolute carbon value to quantify the biobased content, and other elements like hydrogen, oxygen, and nitrogen are not taken into account.

$$\text{biobased carbon \%} = \frac{\text{biobased carbon}}{\text{total carbon}} \cdot 100$$



A carbon footprint is the calculated quantity of atmospheric carbon dioxide emissions released during the creation of a product, taking all contributing factors into account including raw materials, packaging, and delivery. Some factors can negatively influence the total footprint. An example is the carbon dioxide absorbed during the life cycle of plants, which are then used as raw materials. Other factors that can decrease emissions are the use of solar or geothermal energy

as heat sources, and solar panels for electrical power. The concept of the circular economy starts from the idea of making the manufacture of goods fully sustainable, theoretically over infinite production cycles. ddchem's long-term objective is to get as close as possible to carbon neutrality. We chose to start from the very top of the supply chain by selecting suppliers who share our philosophy and can certify the biobased content of their raw materials.

Our ITAMID product family is certified biobased. For more information do not hesitate to contact your ddchem sales reference person.



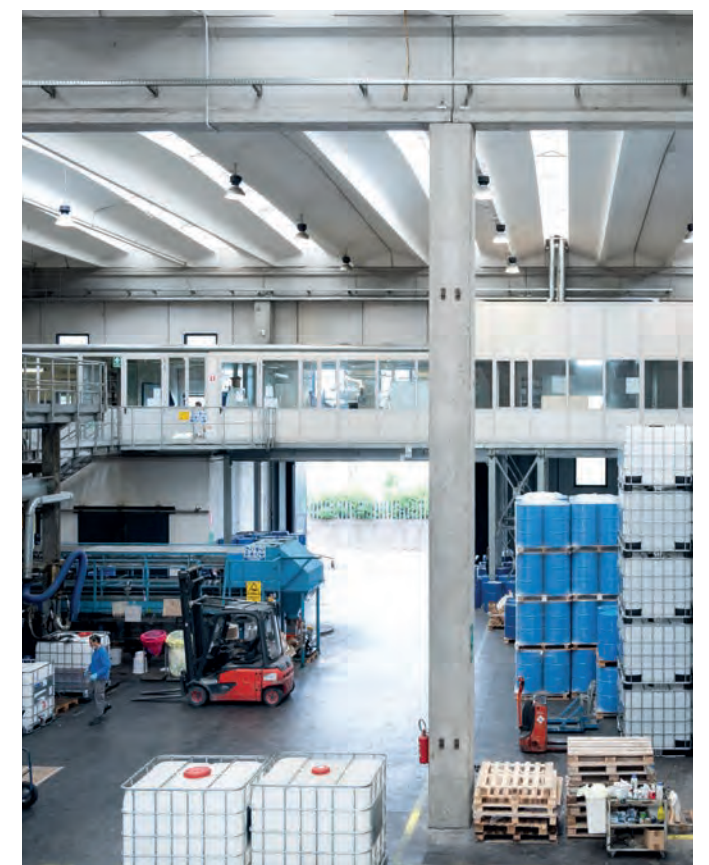
dd *elivering our solutions*
across the world



**Our quality
knows no boundaries.**

We have developed an effective, well articulated distribution network with a global orientation. It is constantly evolving so as to respond quickly and efficiently to any requests, in whatever language.

- Active in more than 40 countries
- Foreign market 70%
- Italian market 30%





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Concept & design

SQUEE

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