

Sustainability & Omya



PEOPLE

PLANET

PRODUCTS



THINKING OF TOMORROW

Impressum

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Editorial



“In times where the world is looking at concerted efforts to explore how we can build a sustainable future together, we reinforced our own efforts in building a sustainable business. We know this does not happen overnight, that it is a journey, a continuous commitment that translates into coherent strategies and consistent practices.”

Ernest Barcelo

Vice President Sustainability, Omya International AG



*Gottfried Plüss and his father-in-law
Adolf Stauffer produced glazing putty by
combining fine chalk with linseed oil.*

Commitment since 1884



Omya was founded in 1884 in Oftringen, Switzerland, by Gottfried Plüss and Emma Staufer under the name Plüss-Staufer. From the very start, the founders of Omya were committed to only supply the highest quality. Continuous innovation, stable ownership and a consistent long-term focus set the scene for the company's international expansion.

Today, Omya is a leading supplier of industrial minerals and specialty chemicals with a global presence of more than 175 locations worldwide. We provide innovative value adding solutions that contribute to our customers' competitiveness and productivity in multiple industries.



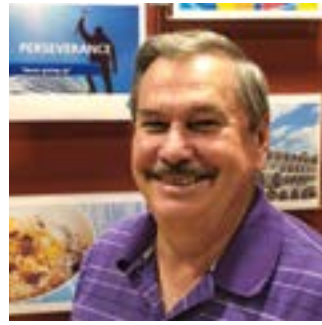
Sustainability is key to our future success

Driven by our vision and our strong value-led corporate culture, we take on our role as a partner for a sustainable future. We understand the importance of our actions and our responsibility towards nature and society. At Omya, we take a full life-cycle perspective of our products and services and their contribution to society. We translate our customers' requirements into sustainable solutions with added value and commit ourselves to sustainable business principles throughout the entire organizational structure – from mining and processing to management. We combine experience with innovation to minimize environmental impact, optimize logistics and ensure a safe and stable work environment for our employees.

Omya works actively towards continuous improvement in environmental, social and economic performance.

In 2015, the world leaders adopted the 2030 Agenda for Sustainable Development with 17 Sustainable Development Goals (SDGs, see below) and 169 associated targets. For Omya, the SDG's are a drive to direct our sustainability efforts.







People



175 plants in
over **50 countries**



8000 employees



Corporate Head
Office in **Oftringen,**
Switzerland

Living the Omya Values

Modesty, courtesy, integrity and perseverance summarize how Omya people behave vis-à-vis customers, partners and colleagues. These four Omya values are the most visible expression of the company's style and a key ingredient of its corporate identity. All employees are committed to living the Omya values in their daily work.

Omya values are translated into our Code of Conduct that is applicable to all staff members regardless of geography or hierarchy. It also applies to suppliers and contractors as a base for audits.



Modesty

stands for a low-key, unassuming attitude. Omya people make their customers and partners feel favored by showing interest and listening to them.

Courtesy

means to be polite and respectful vis-à-vis other cultures and individuals, whatever their level or function. Good manners, multi-cultural education, adapting to specific people and situations are essential.

Integrity

translates into “doing the right thing”. Omya always abides by the law and acts in compliance with its rules and values. Omya people walk the talk, on all levels and in all countries.

Perseverance

connotes “never give up”. Omya people always keep focused and committed to realistic goals.





International Order Processing (IOP) team at the Swiss headquarters: 15 international trade professionals with export experience gained in different sectors and companies.

More than
8,000 employees
working
together
in over **50** countries

31%
of employees have worked
for Omya International AG
10 years or longer

Our Customer Service
teams across Europe
handle requests
in **20**
different languages



Our
Employees
make the
difference



Serving our customers is the core value of the Omya brand. One of the greatest strengths of Omya is the diversity of its workforce, with men and women of many nationalities and backgrounds working together and sharing common objectives. Omya does not have a “nationality”

to describe its culture, but operates in a truly global fashion throughout the world.

Within Omya, we are committed to respecting human rights worldwide. In particular, we are committed to fair employment practices and

wages, and we offer equal opportunities to all our employees regardless of race, color, age, gender, sexual orientation, marital status, religion or national origin, ethnicity.

*“Since we implemented OHSAS 18001 (ISO 45001)
I have seen us to take leaps forward and I am very
pleased with that.”*

Rozita Bahadon





Interview with

Rozita Bahadon

Production Manager Shah Alam plant, Omya Malaysia

How did you become Production Manager?

I started working at Omya in 1995 as an QC Officer and my career grew from there. In 2005 we were faced with a challenge. The first ever sand mill in the Omya history was installed at the Shah Alam plant. This equipment is ideal for Asia Pacific since we have small production of slurry products. The mill is the right size and requires lower financial investment compared to bigger mills. The challenge was that running the mill was not straight forward and we did not have the expertise at the time. I had initially worked on the sidelines of the project as a data collector, but since there did not seem to be anyone who was successful to get the mill and plant going, I was sent to Thailand for a

two-day general training on slurry product properties. After coming back, I was given a chance to run the mill. And that is what I did and have been doing ever since.

Can you tell us a little bit more about the plant and how many people work there?

We have two plants. One for dry products that uses a roller press and another one for slurry that uses sand mills. I have a staff of 27, all men.

What do you enjoy most about your role?

I enjoy production. Running the plant. It's something continuously moving. It makes me feel valuable when I can help solve challenges and keep things running smoothly. I also like to improve things continuously and be able to see the results of the work. A good example of that is the safety management system we implemented three years ago. I can really see the improved awareness and increased safety.

How important is health and safety for you as a plant manager?

It's extremely important. We want everybody to get back to their families in good health. Since we implemented OHSAS 18001 (ISO 45001) I have seen us to take leaps forward and I am very pleased with that.

If you could give one piece of advice to a younger version of yourself, not yet a production manager, what would it be?

Everybody has weaknesses and strengths, all of us. Use your strengths to go further and identify your weaknesses so that you can improve. Always believe that you can handle all the challenges given to you.

Stringent Health & Safety Rules Worldwide

As a mining company with grinding operations all over the world, we are well aware of the risks our workers are facing in their daily work. This makes it all the more important for us to pay due regard that Corporate Health & Safety rules are strictly followed without compromise in any country. At Omya, we consider regulatory compliance as a minimum requirement in our overall sustainability strategy.

“

At Omya we believe that every injury can be avoided and anybody working for our company shall return home safely.

159 sites **OHSAS 18001**
(ISO 45001) certified

Omya provides
**SAFETY
TRAINING**

to its employees,
contractors
and visitors on
a regular basis.

Over **100**
different topics are
regularly audited
during the safety
inspections
at our sites.





Safety is core to our operating principles.

Translating our values into health & safety rules, we commit ourselves to

MODESTY

Never underestimate the risks of any situation

COURTESY

Always take care for the safety of the people around you

INTEGRITY

Reporting of all unsafe situations is a MUST

PERSEVERANCE

Targetting for zero injuries

A job is never so urgent that we cannot take the time to do it safely.

Company goals

**ZERO accidents
ZERO waste
ZERO complaints**



For us, long-term success will always be more important than short-term business.

Our Partnerships are based on trust and fairness

In Omya, we trust in the power of a good relationship with our customers, suppliers and principals. This creates certainty and reliability. Therefore our partnerships are based on trust, fairness and compliance according to a strong code of conduct. The fact that many of our partners – some of whom have collaborated with us for over half a century – continue to entrust Omya as their business partner is the best recognition we can achieve.

Sustainable procurement

Our sourcing activities include all categories, from raw materials and chemicals, technical products and services to logistics solutions. Our key expectations from any supplier not only include reliability, quality and competitiveness (total cost of ownership), but also social and environmental responsibility.

As part of our strategy, we develop an outstanding range of distributed chemicals around the globe with a constant objective of reducing risk and securing safety.

It pays back to be a reliable, long-term partner

“In early 2017 a dramatic shortage in maritime transport capacities posed a great challenge to internationally operating companies.

Omya was able to master this challenge, while many companies failed in sourcing sufficient capacity because they have not placed much emphasis on continuity in the past and therefore could not expect any loyalty from their carriers in this situation.”

Karin Wyss,

Head of International Order Processing, Omya International AG

Responsible chemical management

Omya developed a stand-alone organization combining production & distribution activities with a constant good citizen approach for continuous improvement in economics, environment and social performance.

Omya as a trusted supplier

Providing transparency to our customers, we share our performance on labor rights, health & safety, environment and business ethics as members of Sedex and EcoVadis.



Sedex is a global not-for-profit membership organization that oversees SMETA, a globally-recognised audit procedure for responsible business.



Independent corporate social responsibility (CSR) platform. This result places Omya among top 5% performers evaluated by EcoVadis.



Social licence to operate

*“We touch people’s lives.
That’s why we care.
That’s why we are serious
about what we do.”*

Evrin Urcum,
Head of Sustainability Europe

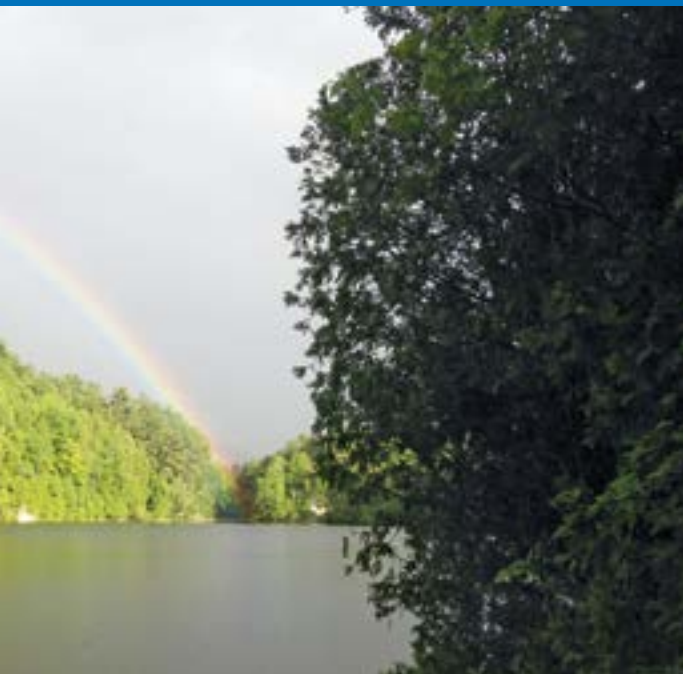
Beside fulfilling all legal requirements to operate our plants, Omya relies on what we call “a social license to operate”. This means we are respectful of local cultures and community needs wherever we operate, acting in partnership with our stakeholders like local communities and anyone that is affected by our operations. We foster a continuous dialogue to create acceptance and become a trusted partner. In practice, this leads to multiple social projects worldwide as shown by the below few examples...

Turkey

Recycling at Euro- pean Minerals Day 2017 in Karabiga plant

Over **500** people from surrounding villages, school children, Omya staff and local authorities **participated in a recycling training and planted 100 acacia trees**. Omya donated six recycling containers to local communities.





United States

38

acres of land & a pond was donated by Omya Inc. to the local town of Proctor for recreational use



Thailand

Access to clean drinking water

In 2011, Surint Omya Chemical started a CSR project to support the local communities with the provision of clean drinking water. The installed reverse osmosis water production unit at Khok Toom quarry, Lopburi province, uses one part of its capacity to supply clean drinking water to the local community to prevent the use of polluted rain water. The first lot of RO water was delivered to people in October 2011.

In Q1 2018, Omya was able to donate 26,800 liters of clean drinking water to the local community.



Great Britain

Hartlepool UK school project since

2004

Supporting childrens learning, Hartlepool plant cooperates with local schools receiving regular student visits



Planet



“What we are doing is not just being compliant with regulations, we go further. We sincerely want to understand and minimise our impact on environment.”

Arnstein Amundsen,
Senior Advisor Environmental Issues,
Omya Norway



Partnership with People and Planet

We believe that the success of our products will increasingly depend upon minimizing our footprint in the future. We will therefore continue our efforts to further optimize our production processes and increasingly focus on reducing our carbon footprint particularly in relation to energy use.

In making use of natural resources, it is our responsibility to consider competing needs in society and optimize their use for current and future generations. Therefore Omya manages its sites and resources with upfront sustainability consideration – including design, operation and future land use.

Carbon footprint of CaCO_3

62 kg CO_2eq
emitted per ton of natural ground Calcium Carbonate* produced.

*Source: CCA LCI GCC dry, 2014, EU28-Turkey+Norway energy mix.

Sustainable Extraction and Processing Practices

Our operations provide long-term employment, very often in remote areas. Wherever we operate, we take into account the sensitivities of local cultures and community needs. Acknowledging the temporary impacts we may cause with our operations, we take proactive measures to minimize disturbance by noise, dust, vibration and visual impact, applying the best available technologies. At many sites, conserving biodiversity is part of the decision-making process and the cornerstone of land-restoration and water management policy. In some cases, its successful management has even led to the creation of new natural habitats.

By **2026** Omya aims for more than **12%**
of our global electrical energy consumption to come
from our own renewable energy plants



Successful start of this ambitious initiative at Taloja plant (India)

Installation of **2,900** solar panels
resulting in annual CO₂ reduction of **955** tons



Zaragoza plant (Spain)

An installation to

PURIFY LOCAL WATER

by **osmosis** helped to reduce the consumption of additives needed on wet processes



Vipiteno plant (Italy)

A **3,000** m underground tunnel was built to transport rocks on a conveyor belt towards the processing facilities **eliminating truck transports over small mountain roads**

Surint Omya quarry (Thailand)

WASTE (by-products) is used to produce low-cement bricks for construction onsite



Mocoral quarry (Ecuador)

Installation of a greenhouse and

18,000

trees planted onsite. 9,000 trees donated to local reforestation projects



Nearly **50%** of the underground operations at Omya use remote control equipment to increase safety for personnel.

Renaturation at Gummern, Austria

In 2004, Omya started a biodiversity project with WWF Austria to evaluate the impact of its restoration & renaturation practices at Gummern with the aim to adopt best practices.

With the help of a local school, part of former Gummern quarry was transformed into a wetlands nature reserve, hosting now multiple rare and endangered species, as e.g. the yellow-bellied toad or the European green lizard.



16

endangered plants are monitored and protected as part of a Longterm Biodiversity Index (LBI) at Gummern



Biodiversity at Orgon, France

Orgon plant is located in Alpilles Natural park. Environmental aspects are addressed in all areas of activity to successfully operate a plant while preserving the delicate surroundings.

With the help of local ecologists, the plant has adapted a recultivation plan to re-create areas where *timon lepidus*, a protected lizard typical to the area, will thrive. Alpilles area is also home to bats and operations are carried out in a way that the local population is not affected. In addition, as part of a special program, the impact of quarry and plants activities on the bats are closely monitored.



Earning a community's trust, and a long-term deposit

El Sombrero is a small community located in the state of Queretaro in central Mexico. More than two thirds of the inhabitants are indigenous people. The land is communal, primarily used for agriculture and mining. Artisanal mining of white marble has taken place over the past fifty years and has been the primary contributor to the local economy and the livelihood of the community. The area supplies raw material to numerous small local plants, so to the Omya plant in San Juan del Rio built in 1995.

Historically, the quarry area La Laja had been divided into many small adjacent quarries "leased" to individual community members. These individual quarries generally operated independently of each other. Over time, operators left boundary walls of marble ore between their quarries, which began to limit the further development of the deposit.

Recognizing La Laja had the potential to be a longterm source of raw material, Omya approached the community with a concept of progressively consolidating the various extraction areas into one large mine. This concept would extend the quarry's life and thus preserve the community's key source of income. Omya

offered to develop an overall mine plan, assist with the mining permits of the larger consolidated quarry, and finance its future development.

This process from concept inception to securing regulatory approvals and negotiating a contract with the community took almost five years. Since 2015, La Laja is progressively transitioning into one consolidated

quarry with an improved safety culture, modern mining methods and methodical mine planning. Recently, Omya arranged for a mobile screening unit to recover raw material from historic rock residues – a measure benefitting both the community as well as Omya.



Over the years, Omya has earned the acceptance and trust of the local community. For instance, the company financed construction materials for public infrastructure projects, payed for the quarry workers' annual medical checkups, and provided hundreds of food boxes as Christmas gifts to community members. Overall, the achievements at La Laja serve as best practice for a company and a community working together to achieve parallel goals with mutual benefits.

“Supported by Omya, La Laja is progressively transitioning into one consolidated quarry with an improved safety culture, modern mining methods and methodical mine planning.”

Fernando Martinez,
Geology Manager, Omya Mexico



Our efficient & sustainable logistics are based on proximity and innovative solutions

Our global reach with over 175 locations worldwide, situated close to our markets and customers, helps to minimize transportation distances and carbon footprint.

Additional tank farms and warehouses at strategically placed hubs are key to our supply chain excellence.

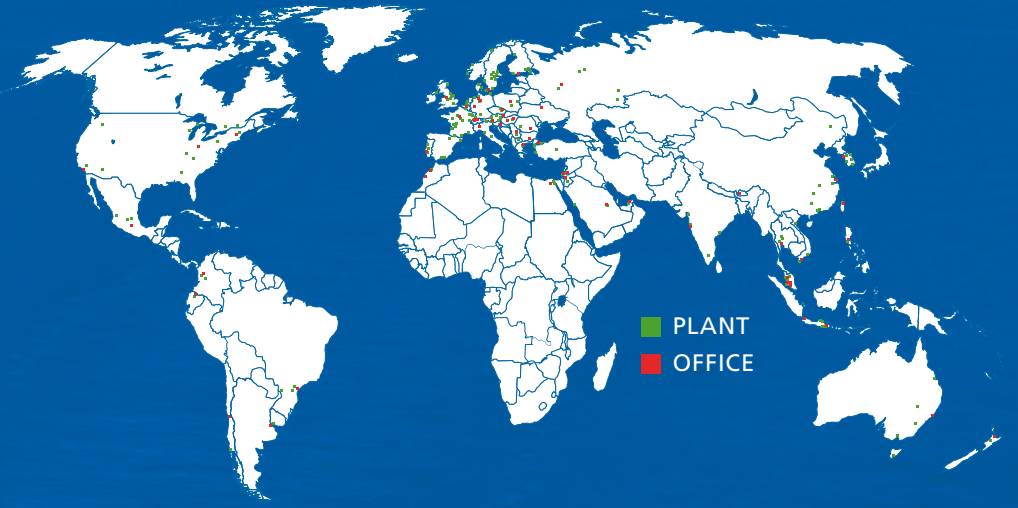
Whenever possible, Omya prefers ecofriendly transport, such as river barges, offshore tankers and railway rather than road transportation.

“From a customer perspective, an excellent supply chain delivers the right product and quality to the correct destination at minimal cost in time, on time, all the time.”

Mark Mostinckx

Director Logistics & Warehousing Europe

Image of Omya sea vessel Doris with a loading capacity of 15,500 tonnes.



16 tank ships of different sizes deliver slurries to our customers, with a capacity of up to **600 truck loads each**, helping us lower our carbon footprint



In Region Europe alone, we manage about **30,000** outbound deliveries to 22 countries every month with an accuracy of over **99.5%**



In Thailand, Surint Omya has been the first company in the country moving to **100% NATURAL GAS VEHICLES**



8 tank farms

located around the North and Baltic Sea secure deliveries within 24 hours. Highly automated processes provide maximum security and efficiency

Omya implemented an ingenious planning system for sea vessels. **This innovation allows us to lower the consumption of combustibles of our fleet by appr.**

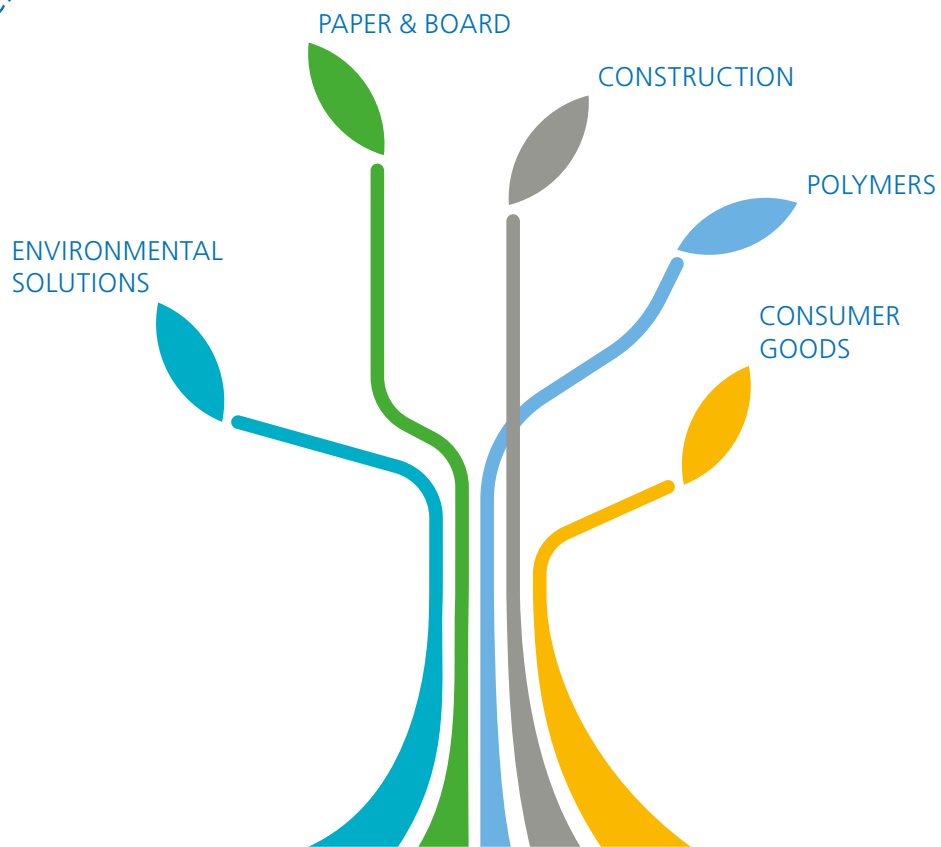


50%



In Austria, more than **80%** of all transports out of our Gummern plant are done by rail

CALCIUM CARBONATES, ADJACENT MINERALS & SPECIALTY CHEMICALS



CUSTOMER CARE



INNOVATION



SUSTAINABILITY

Products



Our world
is enhanced
by Omya

“Omya provides innovative value adding solutions that contribute to our customers’ competitiveness and sustainable engagement in multiple industries.”

Dr. Thoralf Gliese,

Executive Vice President Sales, Marketing & Innovation
Omya International AG



Ownership of **MINERAL DEPOSITS** all around the globe



Natural, renewable and globally available

Nearly 4% of the earth's crust is composed of Calcium Carbonate, making it one of the most common raw materials in nature. It is continuously replenished by natural cycles in rivers, lakes and oceans or formed as minerals, for example as shells or skeletons.

Calcium Carbonate in the form of marble, limestone or chalk is a natural and renewable material, as defined by ISO 14021 for its replenishment rate much greater than its rate of use.¹⁾

Commercial grades of Calcium Carbonate are mainly produced regionally or locally due to sources being widely available around the world.

¹⁾ Source: Calcium Carbonate Association Europe - Member of IMA-Europe

Pure water & clean air

Water and air are key factors for human and animal well-being and of growing importance in future.

Omya Calcium and Magnesium Carbonates remineralize desalinated water to make it drinkable, suitable for irrigation and at the same time protect water infrastructure from corrosion (red water effect). The minerals act as pH buffer, help to improve taste and reduce the chemical demand in municipal water treatment. In waste water treatment processes, they adsorb contaminants like heavy metals and accelerate flocculation.

Acid rain as an effect of air pollution, is harmful to vegetation and human health. Power stations use Omya Calcium Carbonates in the scrubbers to remove and neutralize pollutants like sulphur. The carbonate particles react with the sulphur gas to form neutral calcium sulphate, gypsum, which later can be used to produce gypsum board as building material.



Omya natural minerals offer a sustainable and eco-sensitive alternative to traditional environmentally critical water treatment chemistry. All Omya Calcium Carbonates sold to drinking water applications are compliant with European standard EN-1018. Depending on provenience, some products hold NSF-60 and/or Halal approval.



Omyaqua®
Omya Optical®
Desulfocarb®



Omya Calciprill®
Omya Calciprill® S14
OmyaPro® Calcium
Omya Magprill®
Omya Top Flow®
OmyaFeed®





Restoring the balance in agricultural production

Society recognizes the need to balance increasing agricultural production with minimizing impacts on the environment we cherish. The role of Omya is to increase the efficiency of agriculture by focusing on the condition, nutrition and completion phases of agricultural production systems.

Approximately 40% of the arable land is acidic. It restricts root growth, reduces nutrient availability, and encourages plant diseases. At Omya, we strive to restore a balance. We use highly efficient mineral products to correct soil chemistry and regenerate the nutrition capacity of soil. And, at the completion of the crop cycle, targeted mineral products improve the storability and freshness of produce.

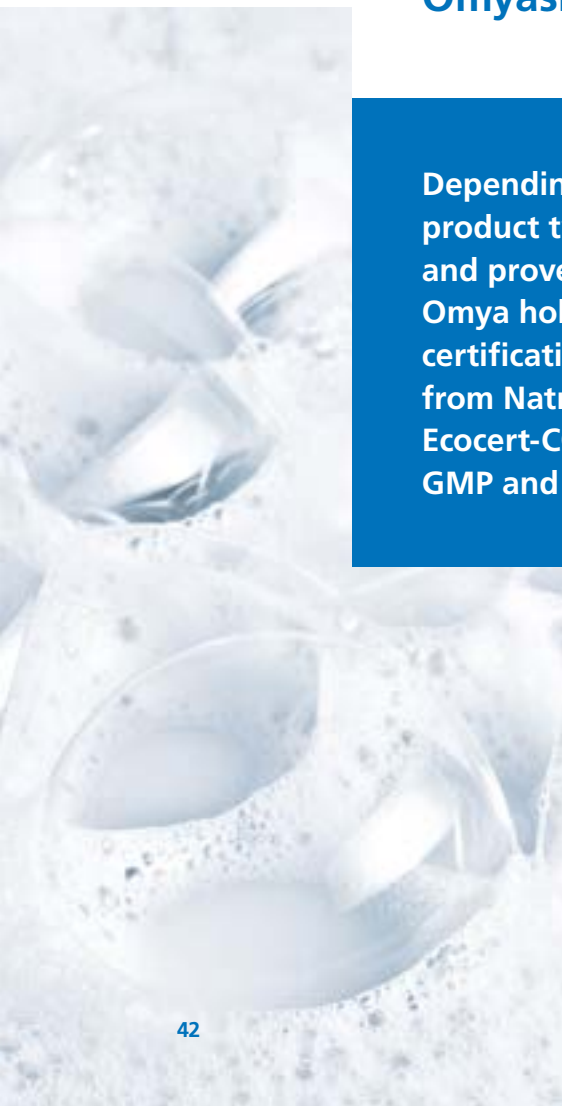
Animal agriculture also in focus. Conditioning the animal houses to maintain a dry floor and clean air for safe animals. Nutrition through mineral supplements increase animal productivity and stamina. And, minerals ensure the completion of the animal production cycle with wholesome milk, stable eggshells and strong bones.

Efficient, pure, natural mineral products restore the balance to improve the efficiency of agricultural production.





Omyafood®
Omyapharm®
Omyascrub®
Omyadent®
Omyaskin®



Depending on product type and provenience, Omya holds certifications from Natrue, Ecocert-COSMOS, GMP and CEP.



Food, pharma & personal care

Calcium fortification is a growing trend in manifold food, nutra and pharma applications. The reasons might be found in an increased population rate with lactose intolerance, vegan nutrition, osteoporosis disease or just in the wish for a healthy nutrition in times of increasing convenience food consumption.

Calcium Carbonate is a calcium source with very high bioavailability and Omya offers a range of extra-pure food grades from carefully selected origins which are used in ready-to-mix beverages and milk alternatives, cereals and baked goods, baby food, antacid and osteoporosis treatment formulas, just to name a few.

In personal care products, Omya minerals act as opacifier, texturizer or mattifier. In face or body scrubs, they are an environmentally-friendly replacement of PE-beads, while in toothpaste they provide gentle cleansing. Our latest innovation, a Functionalized Calcium Carbonate additionally remineralizes and repairs for a whiter, healthier smile.

The smooth surface cleaning properties and its biodegradability make Omya minerals a sought-after ingredient in home care for e.g. surface cleaners, such as scouring creams and powder cleaners.

Paper, board & plastics

Omya minerals play an essential role in saving precious raw materials as e.g. cellulose fibers in paper and board production or polymers in plastic packaging and technical applications like window profiles, pipes, cables and sidings, etc

Whether as a coating pigment or as a filler, the use of Calcium Carbonate results in a more environmentally friendly and less energy consuming production process: Whereas paper and board production benefits from improved dewatering and reduced drying, polymers can be processed faster due to optimized heat transfer. Improved production capacity or reduced cycle times are additional process benefits of using Calcium Carbonate. Also physical properties of the end product are positively impacted, may it be higher brightness and gloss, better opacity and printability with paper and board qualities or e.g. increased strength and impact resistance for plastics – an effect which can be used for downgauging.

Omya Calcium Carbonates can even assume important functionalities, e.g. in the production of breathable film where the mineral particles are responsible for the membrane properties or in the case of Micro-Fibrillated Cellulose (MFC) where the fact of co-grinding Calcium Carbonate with cellulose fibers provides extra material strength when added to paper or board.

The low carbon footprint of Calcium Carbonate qualities in comparison to other raw materials can significantly contribute to a reduction of the overall carbon footprint of the end product.





In June 2018, Omya received an Innovation Award from the Sustainable Packaging Coalition (SPC) as a partner in PepsiCo's Supply Chain Partnership to deliver new bio-based film package to market.



- Hydrocarb®
- Covercarb®
- Extomine®
- Omyaboard
- Omya Smartfill®
- Omyafilm®
- Omyafiber®



Did you know that...

Paper
contains
up to

50%

PVC Pipes
up to

30%

Window
profiles
up to

15%

of Calcium Carbonate

Paints, coatings and other building materials

High brightness and good coverage are some of the most important attributes of wall paints. Most common ingredients that provide these properties are titanium dioxide and silicate minerals. Both of these product families exhibit a relatively high carbon footprint compared to calcium carbonates. Omya offers a range of calcium carbonate products that can boost opacity in paints and coatings and thus allow for a partial substitution of titanium dioxide or even a complete replacement of silicate minerals. In this way, carbon footprint of a paint formulation can be reduced by up to 30% while maintaining optical and mechanical properties. So-called photocatalytic paints can convert

hazardous pollutants (i.e. NO_x) in the air into less harmful components. Specially designed Omya Calcium Carbonates play a key role in the effectiveness of such “air-cleaning” coatings (see details on the right).

Omya minerals are also added to renders on facades and plasters inside buildings where they contribute to improve the wall breathing. In high-performance concrete systems Omya Calcium Carbonates allow for improved flowability and enhanced mechanical properties of the concrete. This leads to faster handling and, in case of precast concrete applications, reduced transition time to the final construction site.



Photocatalytic paints reduce NO_x gases in polluted air

Large field trials conducted over years (e.g. at a Metro station in Manila, Philippines) deliver the proof of concept: a surface of only 4 m² coated with photocatalytic paint has the capacity to convert the NO_x emission of one car travelling 100 km per day.



- Omyacoat®**
- Omyawhite®**
- Omyabrite®**
- Omyamatt®**
- Omyaflow®**
- Omyaspace®**
- Betocarb®**
- Betoflow®**
- Omya® EP**



Our customers can expect quality and compliance

Serving our customers is the core value of the Omya brand. We are committed to exceed our customers' expectations each and every day. Our teams of sales, technical and regulatory staff have a deep understanding of local markets and requirements.

Specialists in Regulatory Affairs assure the compliance of all Omya manufactured and distributed products to known statutory regulations as appropriate or needed by our customers and ensure the corresponding approvals.

An International Order Processing Team, located at the Omya headquarters in Switzerland are constantly monitoring changes on world markets, politics and legislation to comply with free trade agreements, trade barriers, payment safeguards, customs formalities and country specific requirements.

To stay at the forefront of legal & environmental and market trends, Omya holds memberships with a broad variety of industry associations on national and international levels.

This network enables us to make sure every Omya Product is compliant to be used for a specific Application in the corresponding Country (Omya PAC model).



CUSTOMER CARE



INNOVATION



SUSTAINABILITY

Omya Memberships in Industry Associations (extract)

- ABTCP** Associação Brasileira Técnica de Celulose e Papel
- AEDyR** Asociación Española de Desalación y Reutilización
- AMTA** American Membrane Technology Association
- AWWA** American Water Works Association
- AFNOR** Association française de normalisation
- CEPE** European Council of the Paint, Printing Ink and Artists' Colours Industry
- CIRFS** European Man-made Fibres Association
- GDCh** Gesellschaft Deutscher Chemiker
Gütegemeinschaft Kunststoff-Fensterprofilsysteme e.V.
- ECVM** European Council of Vinyl Manufacturers /
PlasticsEurope - Vinyl Plus Program of the European PVC Industry to Sustainable Development
- Edana** The International Association For The Nonwovens And Related Industries
- EDS** European Desalination Society
- FEFCO** European Corrugated Packaging Association
- FEICA** Association of the European Adhesive and Sealant Industry
- FPC** Forest Productivity Cooperative
- ICGA** International Chewing Gum Association
- IDA** International Desalination Association
- IMA** Industrial Minerals Association
- IPEC Americas** International Pharmaceutical Excipients Council
- IPEC Europe** International Pharmaceutical Excipients Council
- SGAS** Schweizerische Gesellschaft für Arbeitssicherheit
- SIA** Schweizerischer Ingenieur- und Architektenverein
- SNV** Schweizerische Normenvereinigung
- SPE** Society of Plastics Engineers
- SVI** Schweizerisches Verpackungsinstitut
- SVLFC** Schweizerische Vereinigung der Lack- und Farbenchemiker
- TAPPI** Technical Association of Pulp and Paper Industry
- The Barite Association**
- VDL** Verband der deutschen Lack- und Druckfarbenindustrie
- VILF** Verband der Ingenieure des Lack- und Farbenfaches
- VPM** Vereinigter Papierfachverband München
- VSLF** Verband der Schweizerischen Lack- und Farbenindustrie
- ZPK** Zentrale Paritätische Berufskommission



MORE THAN **60** active research cooperations with leading universities and research institutes

MORE THAN **350** approved patent families, translating INTO OVER **6,500** individual country-specific granted patents

INNOVATION

Opening September 2018: **CROP SCIENCE CENTER** with state-of-the-art scientific greenhouse and open air plantation



Innovation is our commitment

For Omya, innovation is much more than delivering new products to the market. Being placed at the very start of the value chain, we contribute to our customers' success through a process of co-creation, providing solutions that really work and pay off. Our value creation is based on the multi-decade experience of our experts who transfer science into practice. Omya innovations are designed to differentiate our customers' products from their competition and to create new value propositions.

As a global player, our innovative solutions take into account different regional needs. That's why our teams of Research and Development Services operate in three locations: Switzerland, USA and Singapore. To characterize new materials and identify trace elements, our highly skilled analytical experts can count on top level equipment as e.g. X-Ray Fluorescence (XRF) and X-Ray Diffraction (XRD), Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and Scanning Electron Microscopy (SEM).

Making the environment a healthy place to live in

We engage in multiple research and development projects aiming to reduce human impact on the environment and to increase resource efficiency as e.g.

- **Waste to value projects, in many cases together with industry partners**
- **Sponsorship of a CO₂ capturing project at the University of Aberdeen to take action against global warming**
- **Water purification: development of technologies to remove micropollutants and heavy metals from waste water streams**
- **Air purification: new technologies for mercury, NO_x and SO_x removal from exhaust air streams**
- **Yield increase: mineral-optimized fertilization of plants through retention and stabilization of macronutrients**
- **Biocide reduction: development of a mineral-based anti-microbial formulation for paints**

Omya ranks within the top 20 most innovative companies in Switzerland based on the number of patents. ¹⁾

1) BAK Economics, IGE, PatentSight

Sustainability & Omya

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**THIS PAPER CONTAINS
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