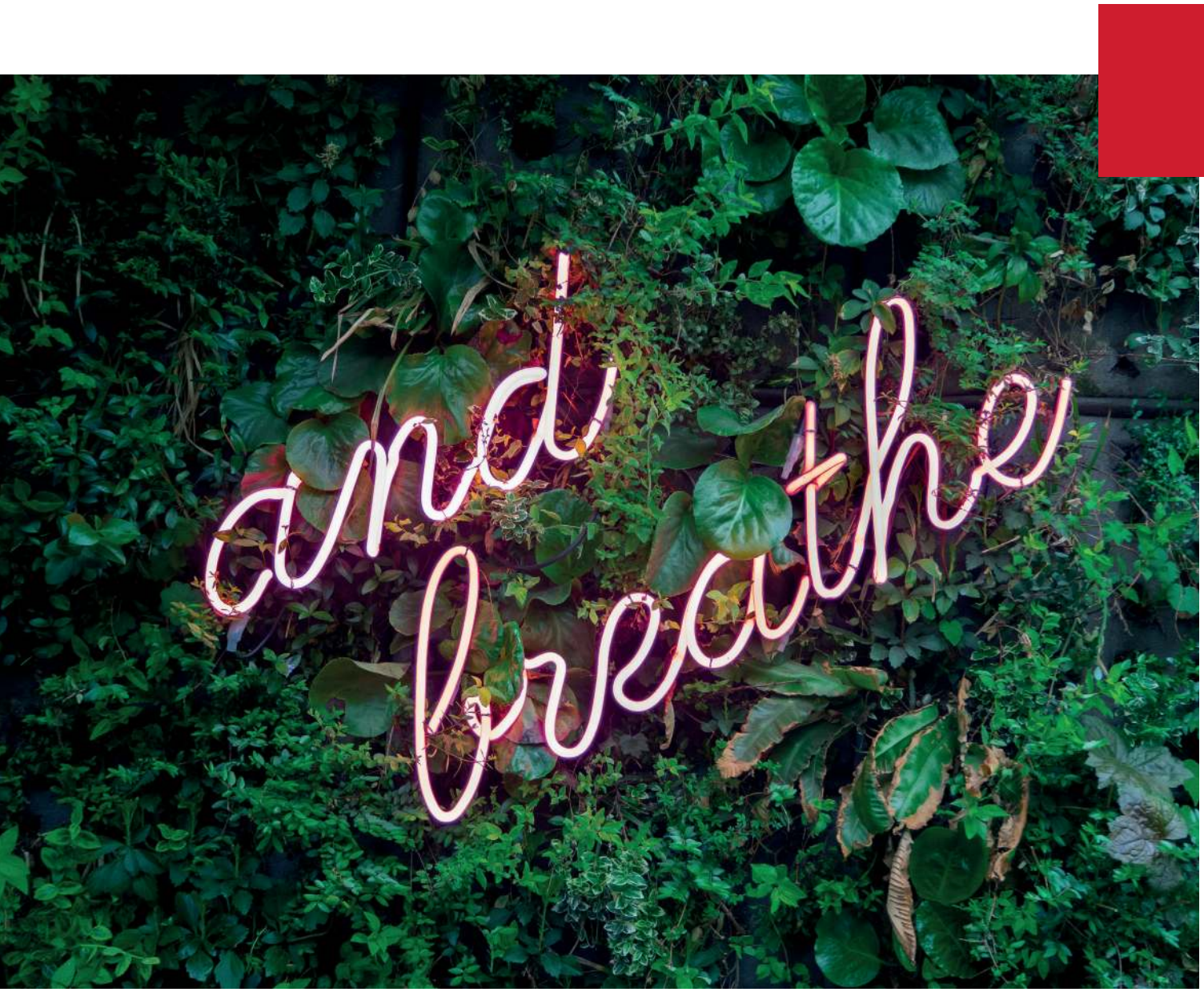
Corporate Sustainability Report 2023

We Enable the Transformation of Light for a Better Future

iGM RESINS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As IGM's CEO, after launching our first internal Corporate Sustainability Report, I am proud to present iGM's first external Corporate Sustainability Report. The report provides insight to our customers, suppliers and partners on iGM's commitment to Sustainability, our roadmap to deliver on our strategic ambitions and how we are progressing. Sustainability is a leading principle in our company strategy through the Green pillar in our Go Grow Green Strategy. The definition of our Sustainability strategy was based on the impact we can have on our company, our stakeholders, the people and the planet. It includes a clear roadmap to deliver on our strategic ambitions in 2030. I consider our sustainability strategy as a significant step forward in how we conduct business. I am convinced it will create a stronger and better company for the future for all of us. It is a key success factor for the transformation of IGM into a purpose driven, and environmentally and socially responsible industry leader.

I am proud to have experienced the energy, drive, and commitment of the global IGM team to have an impact on the planet and the people, our partners in the industry and our stakeholders. We have taken major steps to focus our efforts on the Health and Safety of our teams, to ensure our daily operations commit to economic growth in an environmentally and socially responsible way, and towards green solutions for the industry.

This report reflects the results of our team's dedication and focus and how we work towards achieving our strategic goals on sustainability. I would like to thank the full IGM team for embracing our Sustainability strategy with so much passion. It is and will continue to be a joint journey between all of us. Together we will drive sustainability and have a positive impact on the planet and the people.

#WeAreIGM #GoGrowGreen

Wilfrid Gambade - CEO

iGM Resins is an Astorg portfolio company

Joining forces with a strong focus and support on Sustainability

Sustainability is at the core of Astorg's business approach and a key value driver. The company actively addresses environmental, social and governance issues in its investments and portfolio companies.

www.astorg.com

Safety First

Safety is a foundational commitment; we never compromise on safety. It is a joint responsibility to make sure that every person can return home safely every day. We stop and think before we act. If we cannot work safely, we do not take the risk. Anybody should stop the work if conditions or behaviors are not safe because we care about others.

This means taking care of people and the environment with particular regard to the prevention of accidents and occupational diseases, commit to safety in all processes and build credibility with an open communication.

Bart Oude Vrielink
Executive Vice President Operations

LiTiAN
AN iGM GROUP COMPANY

Acquisition of Litian in 2022

Aligned with, and as an important step in our Go Grow Green strategy, IGM has acquired a majority share in Litian, a leading Chinese manufacturer of energy curing resins in July 2022. This acquisition enables us to further expand our global footprint, strengthen our supply chain, and enhance the leading position in energy curing solutions with a combined product portfolio. The transaction supports the backward integration into key raw materials and it underlines our commitment to sustainability.
Litian has over 45 years of company history in UV materials, feed additives, synthetic latexes businesses and 23 years' experience in the energy curing market and is located in a top tier approved chemical park. Over the years, Litian has demonstrated a strong commitment to safety and to driving sustainability: "Safety First, Environmental Protection First" is the foundational principle of Litian, which became a second-level safety standardization enterprise in 2015 and, to date, has never had a major safety accident. Furthermore, 80% of the company's electricity consumption is from purchased wind power and own solar panels.

Litian's data is not yet included in the scope of this Corporate Sustainability Report of 2023.

iGM's Sustainability Roadmap 2030

In iGM, Sustainability is an integral part of the Company strategy and culture.

We actively address environmental, social and governance topics in our day-to-day business and strategic initiatives and plans.
Sustainability is one of the pillars of our Go Grow Green strategy guiding our decisions towards sustainable leadership in UV/EB technology.
In each pillar of our Cultural Agenda #WeAreIGM, sustainability is strongly embedded.

In our purpose driven sustainability journey, we focus on UNSDG 12 and 13.

Responsible Consumption and production

Ensure sustainable consumption and production patterns. Transforming our relationship with nature is key to a sustainable future. As the world develops strategies for sustainable recovery from the pandemic, governments and all citizens should seize the opportunity to work together to improve resource efficiency, reduce waste and pollution, and shape a new circular economy.

Climate Action

Take urgent action to combat climate change and its impacts. At iGM Resins, we are articulating climate action plans to cut emissions and adapt to climate impacts through nationally determined contributions. Immediate and deep reductions in emissions are needed across all sectors to move from a tipping point headed to climate calamity to a turning point for a sustainable future.

Ambition 2030: 50% Carbon intensity reduction (tCO2e/ton) for scope 1&2

Ambition 2030: 10% Reduction in water intensity (m^3/ton)

Ambition 2030: 25% reduction of our energy intensity (kWh/ton)

Release to environment (RtE): 0 incident per annum

Ambition 2030: 80% of renewable energy.

iGM's ESG Governance

Strong and embedded governance – the foundation of iGM's sustainability strategy, ambitions & commitment

- **CORPORATE SOCIAL RESPONSIBILITY POLICY**: Dedicated to sustainability and responsible commercial practices, iGM Resins follows the United Nations Global Compact principles. IGM Resins maintains a corporate policy that will respect the commitments by applying in our company and to our own suppliers the ten principles of the Global Compact.

- **IGM'S SUPERVISORY BOARD** is responsible for the review and approval of the approval of the ESG strategy and action plans.

- **IGM's EXECUTIVE TEAM** is primarily responsible for applying ESG practices and management within their business function. They are also responsible for evaluating ESG factors during any acquisition projects. A portion of the variable compensation of the Executive Leadership team is linked to sustainability KPI's.

IGM's ESG Team

Monique Slaats
Executive Vice President
People & Organization
Focus on People

Audrey De Wulf
Executive Vice President
Sales & Marketing
Focus on Profit

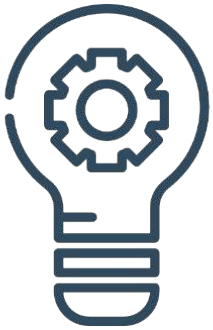
Bart Oude Vrielink
Executive Vice President
Operations
Focus on Planet

Kedar Sule
Global Product Management
Director ECR
Focus on Profit

Our Commitment

Our Purpose

We Enable the Transformation of Light...



- IGM is dedicated to the development of innovative energy curing technology offering integrated raw material solutions (photoinitiators, energy curing resins and additives) for UV curing formulations in our key markets Printing and Packaging, Industrial Coatings and 3D Printing, Electronics and Adhesives, and several niche markets.
- UV-LED, UV or even day-light activates the photoinitiator-system which initiates the polymerization (curing/drying) of the formulation.
- As a customer and market driven company, we offer technical and regulatory advice and support to our customers enabling them to provide high performing and compliant UV curing formulated systems to their customers.

...for a Better Future.

- UV curing formulated systems are solvent free and have excellent performance properties contributing to a better and more sustainable future.
- As part of our sustainability strategy, we focus on United Nations Sustainable Development Group (UNSDG) 12 "Responsible Consumption" and 13 "Climate Action" where we as a company can have the most significant impact. Initiatives under UNSDG 12 and 13 have a good fit with EcoVadis categories "Environment" and "Sustainable Procurement". In addition, we will focus on initiatives that align with EcoVadis categories "Labor and Human Rights" and "Ethics".

Go Grow Green strategy

GO: CUSTOMER
Enhance customer centricity and value by:
-Market segment-based organization
-Strengthening commercial excellence

GROW: INNOVATION
Strengthen solution and value-based sales by:
-Innovation and integrated solutions by market segment
-Operational excellence and robust scale up of new products

GREEN: SUSTAINABILITY
Lead the industry change for a better future:
-Convert to lower environmental footprint technologies
-Strengthen the pipeline for environmentally friendly solutions

In iGM, Sustainability is an integral part of the Company strategy and culture.
Sustainability is one of the pillars of our Go Grow Green strategy guiding our decisions towards sustainable leadership in energy curing technology.

**"Changing is not easy and not changing is not a solution,
but changing together will transform IGM for a better future"**

CEO iGM Resins, April 2021

EcoVadis

EcoVadis is the world's most trusted provider of business sustainability ratings, intelligence and collaborative performance improvement tools for global supply chains. Backed by a powerful technology platform and a global team of domain experts, EcoVadis' easy-to-use and actionable sustainability scorecards provide detailed insight into environmental, social and ethical risks across 200+ purchasing categories and 160+ countries.

Achievements

In 2019: iGM was awarded with a bronze medal with an overall score of 45/100

December 2020: iGM was awarded with a silver medal with an overall score of 55/100

After launching our Sustainability Strategy as part of iGM's Go Grow Green strategy, we are proud to announce that in 2022, iGM Resins received the Gold Medal by EcoVadis for our performance in Corporate Social Responsibility (CSR).

In 2022, we obtained the gold medal as a result of our continued focus and improvement. Our score is higher or equal to the score of 96% of all companies rated by EcoVadis. IGM Resins performance has been compared to the ISIC category: 201 (Manufacture Of Basic Chemicals, Fertilizers And Nitrogen Compounds, Plastics And Synthetic Rubber In Primary Forms) and we are proud to be part of the top 8,6% best companies of this sector.

The result of the assessment shows iGM's joint commitment to our Go Grow Green Strategy, our Sustainability Strategy and our contribution to a more sustainable world. Obtaining the Gold Medal status in 2030 was one of the ambitions from iGM's sustainability strategy. Achieving the gold status already in 2022 demonstrates the engagement and dedication from the full iGM team to deliver on our commitments.

iGM is currently in the process of their 2023/2024 reassessment.

UN Sustainable Development Goals

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.

The Paris Agreement

The Paris Agreement is a legally binding international treaty on climate change. It was adopted by 196 Parties at COP 21 in Paris, on 12 December 2015 and entered into force on 4 November 2016.
Its goal is to limit global warming to well below 2, preferably to 1.5 degrees Celsius, compared to pre-industrial levels.
To achieve this long-term temperature goal, countries aim to reach global peaking of greenhouse gas emissions as soon as possible to achieve a climate neutral world by mid-century.

In our purpose driven sustainability journey, we focus on UNSDG 12 and 13.

UNSDG 12: Ensure sustainable consumption and production patterns.
Transforming our relationship with nature is key to a sustainable future. As the world develops strategies for sustainable recovery from the pandemic, governments and all citizens should seize the opportunity to work together to improve resource efficiency, reduce waste and pollution, and shape a new circular economy.

UNSDG 13: Take urgent action to combat climate change and its impacts.
At iGM Resins, we are articulating climate action plans to cut emissions and adapt to climate impacts through nationally determined contributions. Immediate and deep reductions in emissions are needed across all sectors to move from a tipping point headed to climate calamity to a turning point for a sustainable future.

#WeAreIGM

At IGM Resins we are proud to show our dedication to our sustainability strategy and to support the SDG goals with the SDG label pins. Each employee received the SDG label pins.

IGM Resins supports the United Nations Global Compact

UN Global Compact aim to mobilize a global movement of sustainable companies and stakeholders to create the world we want.

To make this happen, the UN Global Compact supports companies to:

- Do business responsibly by aligning their strategies and operations with Ten Principles on human rights, labour, environment and anti-corruption; an
- Take strategic actions to advance broader societal goals, such as the UN Sustainable Development Goals, with an emphasis on collaboration and innovation.

The Ten Principles of the United Nations Global Compact are derived from: the Universal Declaration of Human Rights, the International Labour Organization's Declaration on Fundamental Principles and Rights at Work, the Rio Declaration on Environment and Development, and the United Nations Convention Against Corruption.
https://www.unglobalcompact.org/

In 2022, iGM Resins joined the United Nations Global Compact initiative — a voluntary leadership platform for the development, implementation and disclosure of responsible business practices.
https://www.igmresins.com/en/news-events/IGM-Resins-supports-the-United-Nations-global-Compact

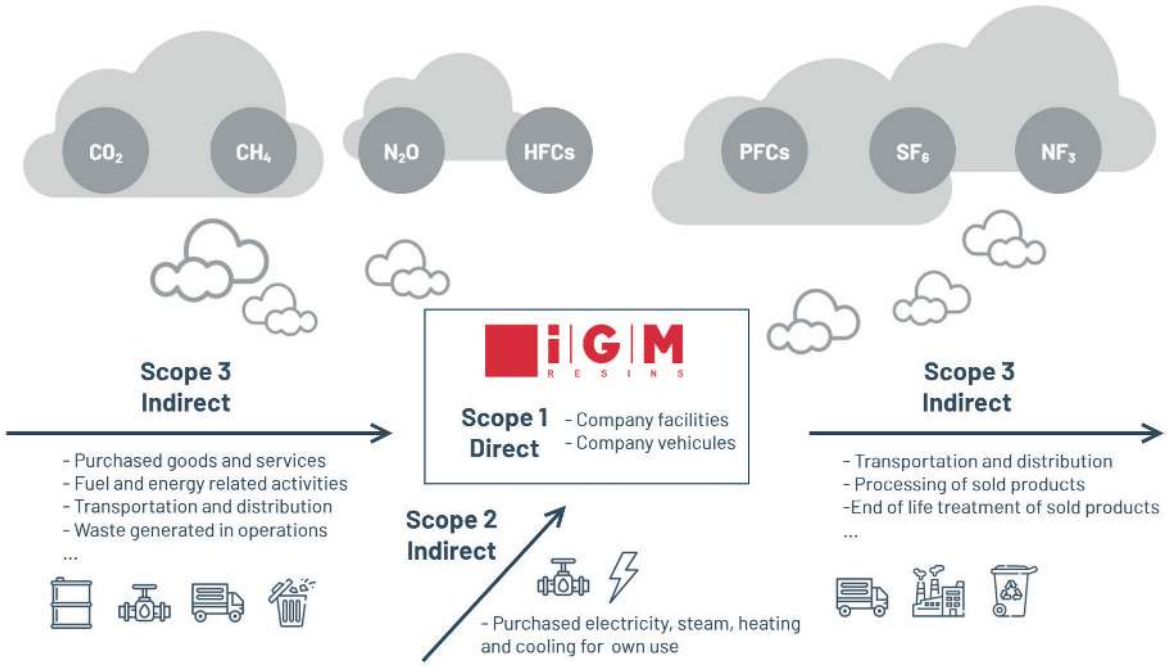
Corporate carbon footprint and risk assessment:Scope 1, Scope 2 & Scope 3

At iGM Resins, we annually calculate our Corporate Carbon Footprint, supported by our partner, SouthPole.

The aim of the study is to:

- Evaluate iGM's footprint
- Identify the current strengths and the improvement areas are in terms of CO2 emissions
- Identify KPIs to follow over the years and reduce the climate impact
- Discuss the support of climate projects
- Be more responsible, sustainable and competitive

Methodology & boundaries



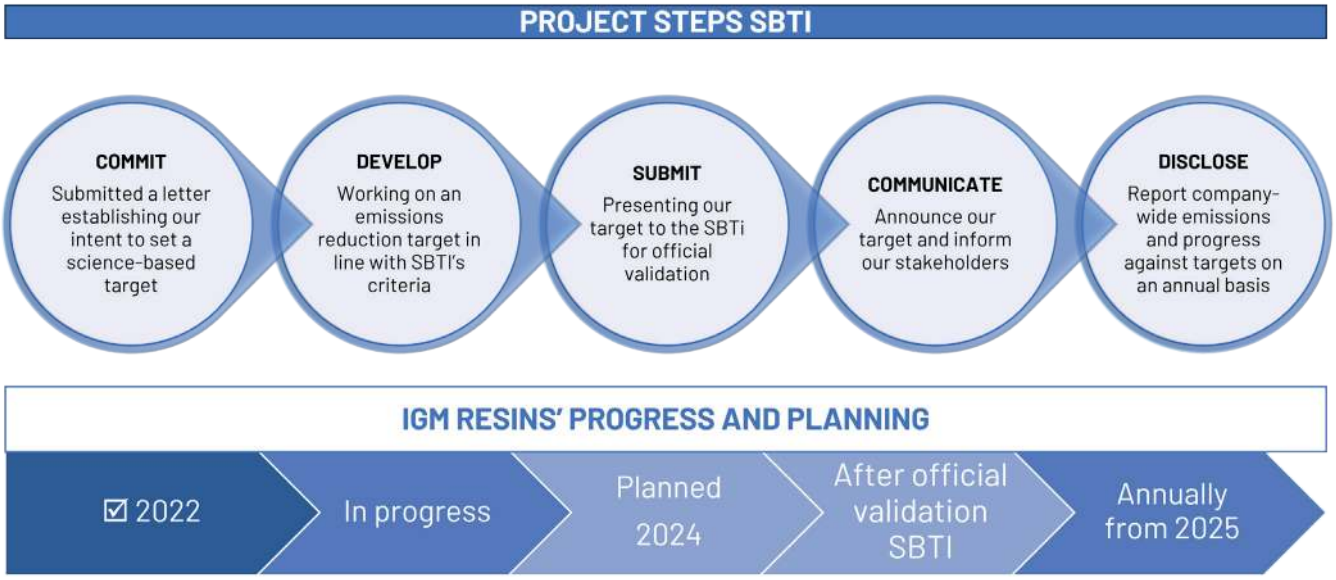
The GHG protocol is used for the calculation of iGM's carbon footprint. To date, the GHG protocol is the most widely used greenhouse gas accounting standard. All GHG emissions are expressed in a common unit => CO2 equivalent.

Science Based Targets initiatives

SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Science-based targets provide companies with a clearly-defined path to reduce emissions in line with the Paris Agreement goals. More than 3,000 businesses around the world are already working with the Science Based Targets initiative (SBTi).
https://sciencebasedtargets.org/



iGM Resins has committed to SBTi in 2022 and is developing their emissions reductions targets in line with SBTi's criteria. In 2024, iGM will submit their reduction targets to SBTi for official validation.

CSRD

The Corporate Sustainability Reporting Directive (CSRD) is part of the Green Deal that aims to create a truly sustainable economy in the European Union. The measures go far beyond reporting: from strategy and policies to performance management, technology and controls implementation to change management and audit readiness. Furthermore, implications entail decarbonization actions and implementing due diligence processes.

iGM Resins is preparing for their reporting requirements in 2025 through a task force focused on ESG / CSRD.

People

Safety First

Safety: 0 reportings per annum on total recordable incident rate (TRIR)

Major Process Safety Incident (MPSI): 0 incidents per annum

Safety is a foundational commitment; we never compromise on safety. It is a joint responsibility to make sure that every person can return home safely every day. We stop and think before we act. If we cannot work safely, we do not take the risk.

We introduced 10 Life Saving Rules (LSRs) at IGM Resins. The purpose of our LSRs is to ensure a safe work environment and safe behavior among our employees, contractors, and visitors. Anybody should stop the work ifconditions or behaviors are not safe because we care about others.

OCCUPATIONAL SAFETY AND HEALTH

We follow all legislation requirements regarding Occupational Safety and Health, with the goal of providing a safe and healthy work environment, besides guaranteeing the right to protect the health and physical integrity of our team.
It is all iGM team member's responsibility to:

- Know and strictly follow the Occupational Safety and Health program and its present norms
- Communicate, to the responsible areas, any situation where the health and safety of an employee is at risk

10 Life Saving Rules

Stop work if conditions or behaviors are not safe

1. Work with a valid work permit when required
2. Ensure safe working conditions before entering a confined space
3. Use fall protection when working at height
4. Check equipment is isolated when work begins
5. Obtain authorization before disabling safety equipment
6. Wear appropriate Personal Protection Equipment and use equipment that is fit for its purpose
7. Do not enter a danger zone where objects can fall
8. Wear a seatbelt in motor vehicles when provided
9. Comply with management of change when required
10. Do not use alcohol or drugs at work and smoke only in authorized area

Corporate policies

- Global Labour and Human Rights Policy
- Corporate Social Responsibility Policy
- Global SHE Policy
- Supplier Code of Ethics and Conduct
- Employee Code of Ethics and Conduct

Cultural agenda

iGM's CULTURE

A company culture can be defined as a set of shared values, goals, attitudes, and practices that characterize the organization. In iGM, our Cultural Agenda #WeAreIGM includes our current strengths, as well as our opportunities. All these elements have been reflected in the 4 pillars. It is the compass in behavior and decision making and it unifies us with all our different backgrounds, experiences, and personalities. By embracing these guiding principles, it will have a positive impact on our daily lives. We will be delivering our individual strengths, combined with our common culture to work as one unified team.

This is the essence of our Cultural Agenda: We are IGM: Individually Unique, Together Complete.

#WeAreIGM

IMPACT WITH PURPOSE

Each of us can have a positive impact on transforming and building IGM for a better future

Through our high quality, services, regulatory and solution support, we have a meaningful impact on our customers and the industry

We have a purposeful impact on our planet and the people

EMBRACE CHANGE

We encourage inclusion and champion diversity; everyone of us is different; everyone of us is valued and everyone of us is IGM!

We value everyone's creativity to drive innovation of products, processes and services

We face changes with an open mind, with flexibility and we drive sustainable improvements

GROW THROUGH EMPOWERMENT

We shape a leadership environment which encourages empowerment

We take our responsibility as a market leader by driving innovative and sustainable solutions for a better future

We take ownership and accountability for our commitments

COLLABORATE WITH PASSION AND CARE

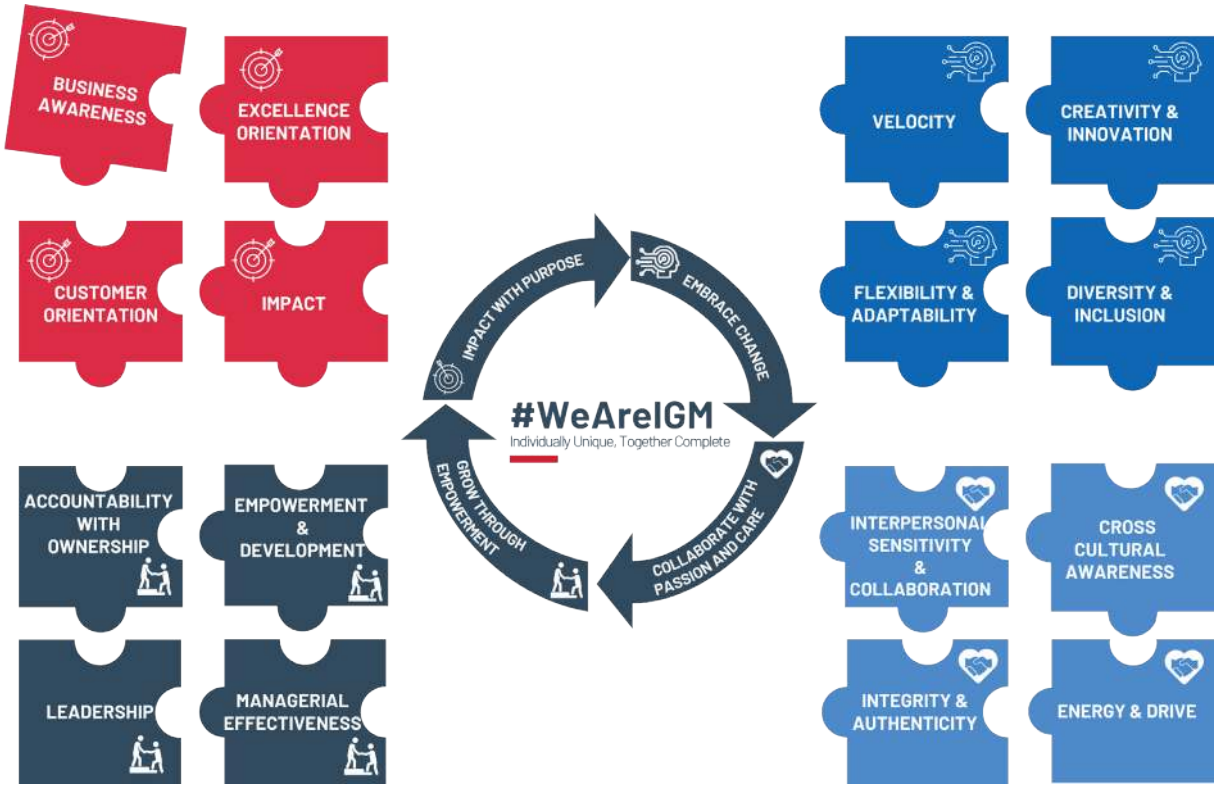
We care for our people our customers and the planet

We act as one global team with a common purpose by collaborating with passion, authenticity and enthusiasm.

We appreciate and celebrate individual performance and team successes

For comprehension, development, and feedback purposes, it is imperative to have a common understanding of which mindsets and behaviors reflect our culture. Therefore, we have defined Mindsets & Behaviors aligned with each pillar.

With a clear understanding of the expectations of Mindsets and behaviors, it provides clarity, awareness, and an opportunity for personal development.
The mindsets and behaviors matrix contains our culture pillars translated into mindsets and behavioral examples to provide a roadmap aligned with our culture. There are 4 defined mindsets per cultural pillar which are applicable for everyone. Each mindset has examples of behavioral descriptions that support personal development and understanding of the pillars.



Diversity, Equity & Inclusion

Ambition 2030: 60% of non European nationalities in first and second tier management

Ambition 2030: 50% women in first and second tier management

Ambition 2030: > 10 nationalities in first and second tier management

iGM is committed to providing a safe, respectful working environment for all individuals with whom we interact. Our underlying philosophy is that we respect every individual's right to dignity, privacy, integrity, and safety as well as their right to equal and fair treatment in the work environment.

Working at iGM is based solely upon merit and qualifications directly related to professional competence. We welcome and support people of all backgrounds and identities.

Wistleblowing: 0 reportings per annum (internal / external)

We strictly prohibit unlawful discrimination or harassment on the basis of, (but not limited to) members of any sexual orientation, gender identity and expression, basis of actual or perceived race, ethnicity, culture, national origin, citizenship, social and economic class, educational level, color, immigration status, sex, age, size, family status, political belief, religion, pregnancy status, special needs, any personal, physical or social condition or any other characteristics or ground protected by law.

It is all iGM team member's responsibility to:

- Contribute to a workplace where diversity is respected.
- Respect individual differences and not stimulate or propagate discriminatory judgments of any nature.
- All managers must be objective and unbiased in the selection, remuneration, training, and promotion of their professionals, always acting without any sort of discrimination, taking individual performance and professional competence as the only basis.

#WeAreIGM

Each year, we celebrate women's day regionally.

Impact day

The IGM Impact Day was launched in September 2021, when we launched the iGM Culture Agenda.

iGM Impact Day is a day where all the employees of iGM globally give back to the society, the people and/or the planet.
iGM sponsors this activity: one day a year, the iGM team members around the world will be freed up to give back. Every year, a global theme will be defined, and each region will organize their activities and contributions around the global theme.
The iGM Impact Day is about doing something meaningful and giving back as a global team. Together, we will have an impact on our community, the people and the planet and create awareness amongst our team members.
The iGM Impact Day is fully aligned with our Culture: WeAreIGM: Individually Unique, Together Complete.

Impact day 2022

in 2022, the global theme was "Environmental Preservation". All iGM Resins employees gathered around the world to participate in sustainable activities, raising awareness about waste impact, deforestation and positively contributing to the well-being of the planet and the people.

Our Impact

- 90 Trees planted
- Reforestation of degraded areas for environmental preservation
- Collection of recyclable material
- Cleaning up local neighbourhood by collecting the waste
- Revitalization of natural areas and landscaped areas of community parks

Impact / CleanUp Day 2023

The 2023 iGM Impact Day was celebrated around World Cleanup Day. Several of our iGM sites contributed to local clean-up activities and on raising awareness about waste.
The commitment of the iGM team to making a positive impact on our environment is truly commendable and efforts in cleaning up our surroundings does not only contribute to a cleaner and healthier planet, but also set an inspiring example for others to follow. It is through the collective actions of individuals like you that we can work towards a more sustainable future.

#WeAreIGM
Pink October

Awareness

At iGM, we focus on awareness for our teams. We have set up different internal communication channels, processes and practices, to ensure awareness for key topics.
All our meetings start with a Safety, Health or Environment topic. It is also part of our on-boarding program together with our global labour and HR policy, No Alcohol, no drugs policy. Awareness is created on sustainability through regular interactions with all iGM team members. The sustainability box is a place where each team member can submit an idea to the global or local management team. We do also communicate on specific worldwide events such as World clean-up day, overshoot day, Women's day to develop and keep awareness high.

Sustainability initiatives from within

iGM values sustainable ideas coming from their own team members.
We have set up multiple channels for iGM team members to share ideas on Sustainability. There is a virtual idea box via Microsoft forms where iGM team members can post ideas. Ideation sessions are being organized where iGM team members can brainstorm about and propose initiatives.

#WeAreIGM

Reflecting iGM's commitment to diversity, equity, and inclusion, participation by senior leadership of the United Nations Target Gender Equality program was completed in 2023.

People development

Onboarding Program

The new IGM Global On-boarding Program was launched in October 2021. The objective of the newly launched global on-boarding program is to enhance the experience, create a welcome and consistent on-boarding experience and to give new team members a sense of belonging, while at the same time facilitating an easy and productive integration for all new global IGM team members in IGM Resins.

The focus of the on-boarding program is on bringing together the best existing practices, our strengths and aligning with the purpose and strategy of IGM, and introduction to the IGM cultural agenda for new team members, in addition to technical and behavioral training to prepare to join our company.

Divided into 7 stages, the Global On-boarding Program allows new employees to have the same experience, training and activities at any IGM location, and for that we will navigate together in the following themes:

- Welcome to iGM Resins & "Welcome Message from the CEO"
- SHE first: SHE message from the Global SHE coordinator, SHE Key Behaviors, SHE organization and SHE test and SHE internal/local rules and procedures
- More about IGM: Organization Structure, Who is IGM, Timeline, IGM around the world, IGM Numbers, Purpose, Go Grown Green Strategy, Culture Agenda
- Programs and Methodologies: IBP, Transformation Office, Sustainability & ESG, SMART, Getting to know dialogue, Buddy System, Ability to Execute, Performance Management System, Technical Integration Training, Code of Ethics and Conduct Training
- Employee Handbook & Policies
- Communication Platforms
- Specific Trainings according to each position

Development

At iGM, we support our team members' personal growth and development and invest in the knowledge and skills of our team members on an ongoing basis to support their long-term employability.

Besides training programs for specific functions and activities, iGM has invested in the following development programs

A2E program

Capability gaps are among the most difficult and important challenges faced by leaders in any organization. Rooted in the latest thinking in behavioral science, Ability to Execute is a suite of programs designed to build individual capabilities to drive and sustain transformational change at scale. Designed by Transformation consultants and McKinsey Academy learning experts, Ability to Execute provides enterprise-wide solutions on the skills and mindsets that matter most to unlock an organization's full potential, while empowering employees to improve the way they work.
https://www.mckinsey.com/business-functions/people-and-organizational-performance/how-we-help-clients/mckinsey-academy/ability-to-execute

Good Habitz

GoodHabitz offers a competency-based learning library built to empower personal development. The inspiring, effective and topical educational content will enable team members to learn like never before - making sure they have the skills they need to tackle the challenges of today and tomorrow.

GoodHabitz is a digital learning tool with more than 160 e-learnings and masterclasses, to fullfill development needs in a variety of ways. One might enjoy reading a magazine, while someone else might prefer to watch a video instead or someone else is a hands-on type who likes to put things into practice with challenging assignments. GoodHabitz fulfils development needs in a variety of ways and are full of unique, different kinds of learning methods.

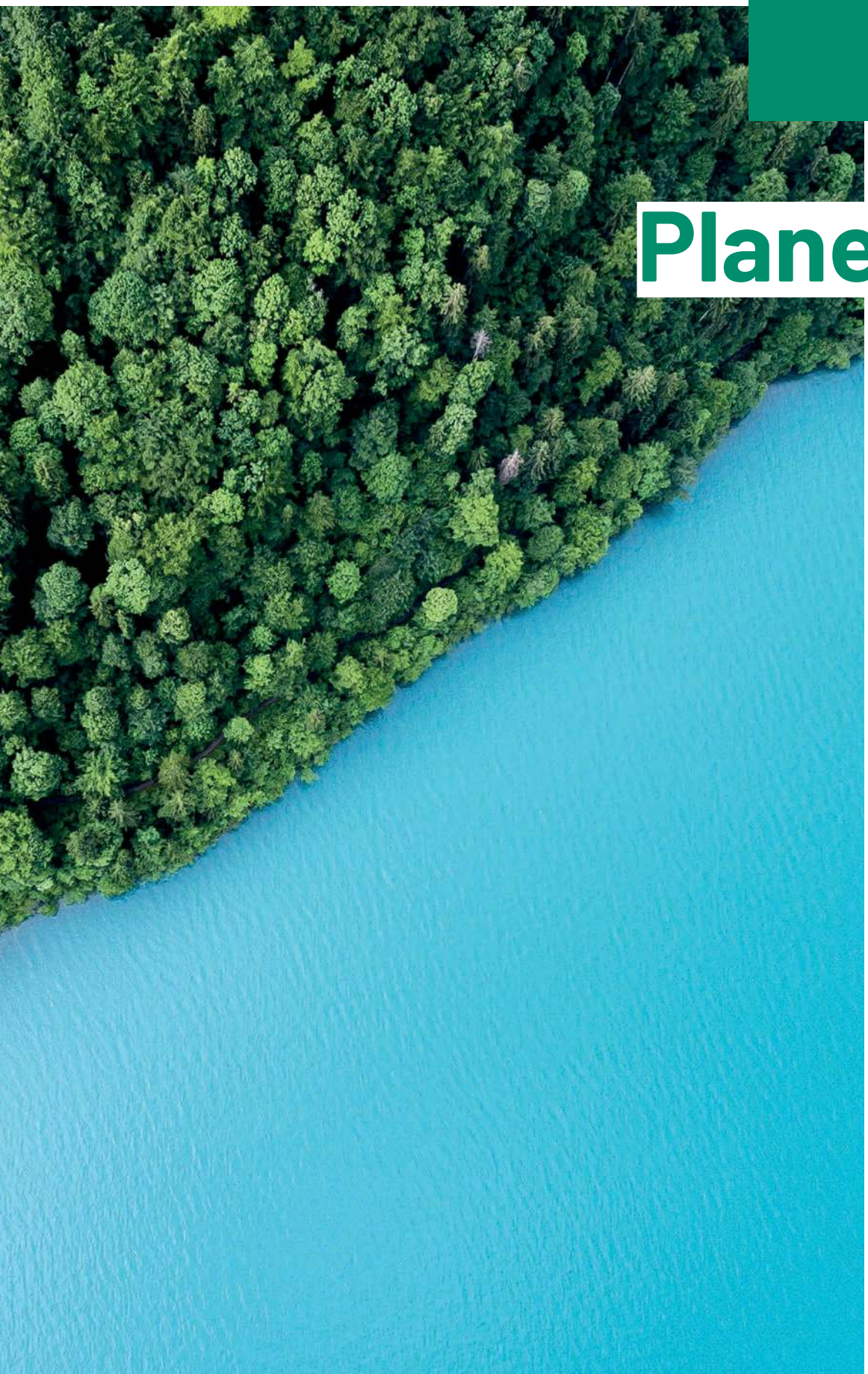
The training course library is filled with different courses, from a Language course, to a course to improve Excel skills, to more personal development skills: a wide range of tools to grow on a professional and personal level. Training course libraries are being upgraded all the time as well as new ways of learning are being developed with tools to enable a variety of leaning and ways to learn.

Website: GoodHabitz | Empower your people | GoodHabitz Online Training

Start Smart campaign

Start Smart campaign offers some tricks to held effective meetings. Using available tools , it is possible to organize meetings in more effective way.

Planet



GHG Emission intensity

Ambition 2030: 50% Carbon intensity reduction (tCO2e/ton) for scope 1&2

Human-caused greenhouse gas emissions have increased atmospheric carbon dioxide by about 50% over pre-industrial levels. These greenhouse gases have disastrous environmental and health effects. We have seen a drastic rise in extreme weather, floods and increased wildfires. They not only cause climate change but also contribute to respiratory diseases.

At current emission rates averaging six and a half tonnes per person per year, before 2030 temperatures may have increased by 1.5 °C over pre-industrial levels. Therefore iGM is initiating a significant number of improvement projects to improve the carbon footprint by 2030. We aim to reduce GHG emission intensity to 1.65 tco2e which was 3.3tco2e in 2022. Such measures can help attain our goal of contributing to the environment and becoming a sustainable brand.

Energy reduction in Anqing

In our site in Anqing (China), we identified 7 projects to reduce energy consumption, which will be completed in 2023.

Recently we reduced the electricity intake of circulation pumps by 40% through installing Variable Frequency Drives that allow us to vary the speed of the motor of the pump instead of the motor running at high speed all the time.

Next to this we increased the Air Conditioning temperature in summer in all control rooms and laboratories by 2°C reducing the electricity intake of AC units whilst still having comfortable and safe working temperatures.

Reduction in Energy intensity

Ambition 2030: 25% reduction of our energy intensity (kWh/ton)

To achieve a lower GHG emission intensity, iGM will focus on reducing the global energy consumption related to our activities by implementing innovative solution for our chemical process and in our plants.

Charlotte power reduction

Power reduction through LED lamps and variable drive frequency on rotating equipment (pumps, fans, agitators).

Mortara and iGM's Headquarters switch to LED lighting

IGM Resins in Mortara Italy has replaced all lights to LED. In the streets of the site, the production areas, offices, laboratory, utility and maintenance offices, reducing the annual energy consumption. LED lamps allow to save more than 50% of energy yearly cost in comparison to fluorescent ones. This is not only a great step ahead in a sustainable direction, but also a great improvement for the well-being of employees.

iGM's Headquarters in Waalwijk, the Netherlands, has initiated a project to gradually replace all office lighting with LED lights. Currently approximately 30% of all office lighting is LED.

Renewable electricity

Ambition 2030: 80% of renewable energy

With the reduction of energy intensity program, iGM reduces the global consumption. But production will always require energy. To keep our processes sustainable, iGM Resins invest in renewable energy assets.

Sourcing of green energy

iGM is actively working on the sourcing of green energy.

	Anqing	Mortara	Charlotte
Current green energy share	50 %	40 %	58 %

Table 1 - Sourcing of green energy

Anqing power certificate

iGM remains steadfastly committed to reducing our global carbon footprint as well as implementing a host of programs and processes that fulfil our #GoGrowGreen strategy.

Our manufacturing plant in Anqing, China has recently been recognized by the National Renewable Information Center (NRIC) for our efforts to reduce our carbon emissions by almost 500,000 kG of CO2 per month by using solar power.

This new energy source will provide fifty percent of the electricity for the plant.

Mortara photovoltaic panels

iGM resins has initiated a project to install photovoltaic panels in our plant of Mortara. In Mortara, photovoltaic panels will be installed on the parking and in our land adjacent to the plant, bringing at the same time shadows to the cars. Project completion is estimated for 2025.

#WeAreIGM

Our products are utilized for on-site turbine blade repairs, contributing to their extended longevity. UV light curing enables repairs to take place irrespective of external temperature conditions.

Reduction in water intensity

Ambition 2030: 10% Reduction in water intensity (m^3/ton)

IGM Resins recognises the worrying increase of the global water demand and we aim for solutions that help reduce the issue at hand. Therefore, iGM Resins implemented different solutions such as process improvements, smart water consumption for offices and warehouses. These changes are key in reducing the consumption of precious freshwater resources and creating opportunities for a sustainable future.

Water Brazil

The office/warehouse facility of IGM Resins do Brasil in Brazil has set up a cistern collecting rainwater.
This water is used to clean external areas, the warehouse and is used for the laboratories, in all those situations where potable water is not required.
It helps to reduce the consumption of precious drinking water.

Release to the environment

Release to environment (RtE): 0 incidents per annum

As a leading global provider of raw materials solutions, the impact of our production matters. iGM Resins tracks all emissions release to the environment to reduce any impact on the nature. IGM Resins continues to uphold high quality standards to make a change that resonates with our customers' sustainability goals. By committing to these terms, we not only create a better work environment for our employees, but we also improve the local air and water quality and reduce pollution.

Air Compliance Excellence Award (ACE)

In 2022, IGM Resins Charlotte Plant has been recognized for the 5th consecutive year and seven times out of last nine years.
IGM Resins Charlotte plant is proud to be recognized for the ongoing Air Compliance Excellence with an annual ACE Award by the Mecklenburg County Air Quality (MCAQ). These awards are designed to highlight local industry's efforts in achieving compliance with their air quality permits, thereby helping to reduce pollution and improve local air quality.

Responsible sourcing

Creating and maintaining a responsible and resilient supply chain has become a key success factor for the chemical industries in this ever-changing world.
IGM is committed to creating sustainable value with our global network of suppliers through a mutually beneficial relationship based on strong ethical business standards, trust and shared commitments to meet or exceed our customers' requirements.

Sustainability Standards for Suppliers and Partners

Reflecting our unwavering commitment to environmental responsibility and ethical business practices, iGM has defined ISO 14001 certification and strict adherence and compliance to our Supplier Code of Ethics and Conduct as a requirement to do business with iGM

Supplier Code of Ethics and Conduct

Download our Code of Ethics and Conduct for Suppliers on our website www.igmresins.com.

Regional production

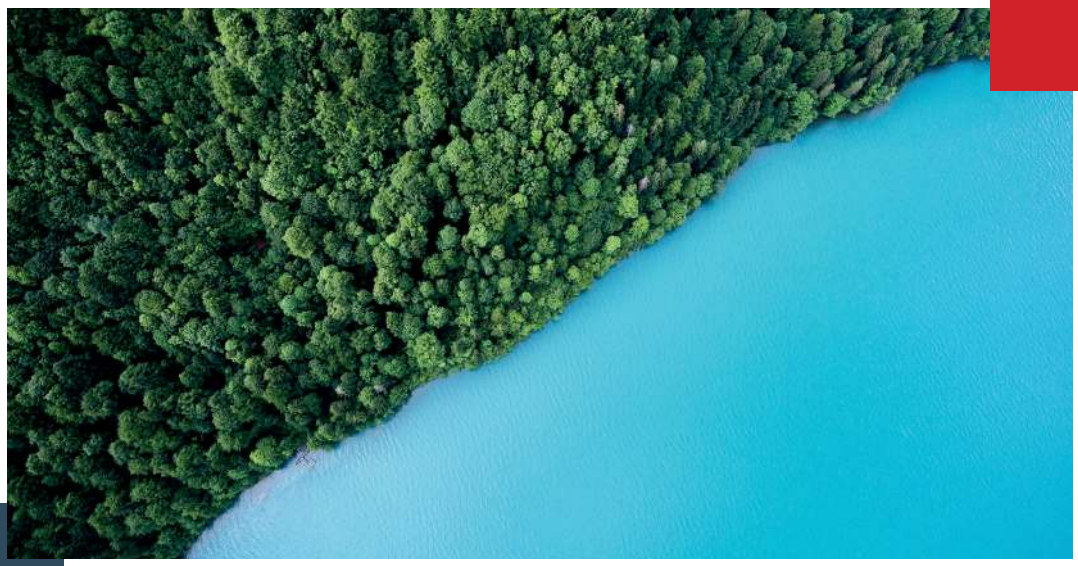
With our plants based in different continents, we produce and distribute locally. We are the only photoinitiator producer to have a plant located in Europe (Mortara, Italy).

Reducing intake of raw materials

IGM has process optimization teams in all sites focusing on improving yield and reducing waste of our production processes. Yield improvements lead to a lower intake of raw materials and with that to a lower carbon footprint. Reducing waste (e.g. by re-using it in our processes) leads to a lower carbon footprint as less waste needs to be disposed and incinerated. In our greenfield site in Anqing we have identified and are currently working on 7 projects to improve yield. In Mortara we will invest in better data and improved data analytics to further optimize yield.

#WeAreIGM

The supply Chain Team in Brazil have partnered with a new supplier "DC Logistics".
Whoever hired the service of DC Logistics in the month of July, would have 1 tree planted in the name of the company.



Profit

Energy Curing Technology

IGM Resins is the leading global provider of energy curing raw material solutions to a wide variety of industries such as graphic arts, industrial coatings, adhesives and 3D printing. IGM is 100% dedicated to the energy curing coatings industry and we are investing to grow with it.
Energy curing is a photochemical process in which UV light is used to instantly dry various inks and coatings. In UV/LED curing the drying happens in part of a second compared to several minutes for traditional curing. IGM blockbuster products are photoinitiators which are the critical molecules that react on UV/LED light and control the drying process. Next to photoinitiators IGM also offers a full range of acrylates and additives,other key raw materials that are used in energy curable formulated systems.

UV technology benefits

- Productivity: Seconds to cure vs. minutes or hours. Immediate stackability of finished products
- Lower Overall Cost (per cured part): 100% solids, cure speed, recycling of coating, etc
- Single component formulas: Eliminates mixing errors found in 2 component systems
- Regulatory Concerns (VOC emission): Avoid solvent use in most cases
- Smaller equipment footprint: Less floor space needed
- Energy savings – Reduced Energy costs

Specific UV-LED benefits:

- Energy Saving
- Suitable for heat sensitive, thin substrates
- Cost saving (depends on efficiency, press speed and others settings)
- No Ozone emission
- Alternative to heavy metal containing lamps like Mercury

Focus areas

Focus our innovation efforts towards alternatives to carcinogenic substances

Enabling end users' reduction of energy consumption by developing LED compliant PI's and ECR's

Continue to support the market to move away from energy intense water/solvent technologies to energy curing technology

Reduce dependency on fossil fuel through our PureLine portfolio

Bio-based products

PureLine™

At iGM Resins, we become greener and support the industry by implementing sustainable change in all our products and processes. Therefore, we are proud to introduce our new sustainability brand: PureLine™! The home to all sustainable products within iGM.

As such, the PureLine™ brand is also one of the key pillars of our sustainability strategy, through which we aim to help the energy curing industry shape a better future for the generations to come.

PureLine™ is our new mother brand for sustainable product portfolios of Photoinitiators, Energy Curing Resins, and Additives. It is our response to the increasing emphasis on sustainability in our value chain and customer interest in lower carbon footprint solutions.

PureOmer™

The first sub-brand: PureOmer™ consists of the prefix Pure, which represents the sustainability and suffix Omer – Photomer which stands for energy curing resins.

Product	Category	Bio-based content
PureOmer™ 2012	Methacrylates	72
PureOmer™ 3005	Epoxy Acrylates	84
PureOmer™ 3026	Epoxy Acrylates	21
PureOmer™ 3026-20G	Epoxy Acrylates	19,6
PureOmer™ 3026-40G	Epoxy Acrylates	18,2
PureOmer™ 4012	Monomers	78
PureOmer™ 4812	Monomers	81
PureOmer™ 4094	Monomers	14
PureOmer™ 5433	Polyester Acrylates	47
PureOmer™ 5437	Polyester Acrylates	14
PureOmer™ 5443	Polyester Acrylates	46
PureOmer™ 5450	Polyester Acrylates	40
PureOmer™ 5662	Polyether Acrylates	14
PureOmer™ 5850	Polyether Acrylates	18

Table 2 - PureOmer Bio-based content % - ASTM D688-21

PureVadd™

PureVadd™ joins PureOmer™ within our portfolio of sustainable PureLine™ solutions, developed to support our customers' environmental goals. Shown by the ASTM D6866-21 method to include bio-based raw materials up to 100%, PureVadd™ is the high-quality, versatile, sustainable additive brand you've been looking for.

These wetting additives enhance the dispersion of a wide range of pigments, stabilizing the formulation of printing inks and coatings to ensure rock-solid performance.

We're particularly excited that PureVadd™ is not only suitable for UV light-curing applications, but also ideal for standard paints and inks, both solvent- and waterborne.

Product	Bio-based content
PureVadd™ 5071	53
PureVadd™ 5254	100
PureVadd™ 5266	84
PureVadd™ 6220	55
PureVadd™ 6225	29
PureVadd™ 6228	55
PureVadd™ 6245	29

Table 3 - PureVadd Bio-based content %
ASTM D688-21

Life Cycle Analysis

A Life Cycle Analysis is a detailed report that allows us to assess the potential environmental impacts.

At iGM Resins, we are committed to making a positive impact on the environment and supporting the sustainability efforts of our customers and partners.
Our dedication to sustainability is reflected in completing our Life Cycle Assessments (LCA's) from cradle-to-gate of Omnirad™ 819, Omnirad™ 1173, and Omnirad™ 184 from our plant located in Mortara (Italy, Europe).

Together with independent expert company, SouthPole, and an accredited certification organization, Vinçotte, iGM Resins has established accurate and comprehensive LCA's.

The LCA study, modeling and reporting have been audited by an independent third-party auditor according to the rules set out in the international standards ISO 14044 and ISO 14040. Not only does it provide clarity and insights for our partners, but by using our LCA, we can identify areas where we can improve our sustainability performance and collaborate with our suppliers and customers to reduce environmental impact.

No detectable PCBs

As global market leader in photoinitiators, IGM guarantees the highest standards when it comes to Safety, Health and Environment, and can confirm that all photoinitiators produced in Mortara do not contain any detectable levels of PCB (with a detection limit <0.5 ppm).

Over the last years, there has been several concerns raised by the market, specifically in Europe, North America, South America, and Japan, related to the recent findings of higher concentrations of PCBs (Polychlorinated biphenyls) in several sources of the production of photoinitiators. With tight quality specifications and control on the production process of all its photoinitiators, IGM can confirm that all photoinitiators produced in Mortara do not contain any detectable levels of PCB (<0.5 ppm).

Photoinitiators for LED following Hg Ban

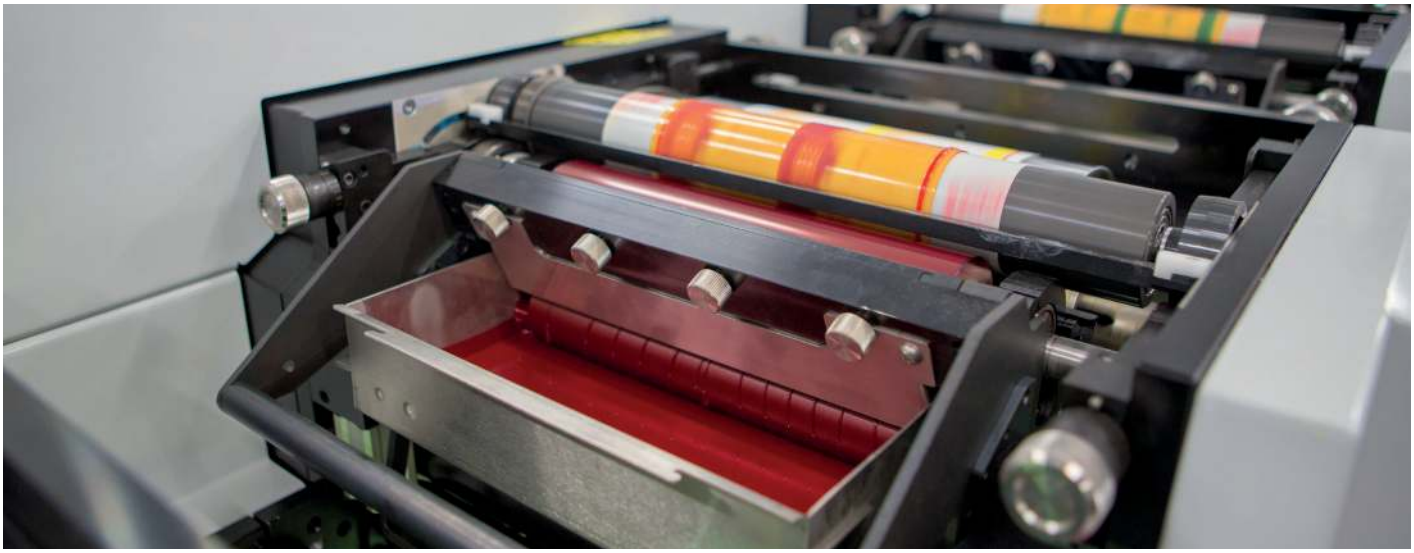
Today, the UV technology is still using mercury in lamps to produce UV light. Mercury is a chemical compound with neurotic effect.
The European commission has adopted a new package of rules to ban the use of mercury lamps.
At iGM, we are developing new solutions for UV-LED lamps systems in close contact with lamp producers and our customers to better answer this change.

#WeAreIGM

Our products are used to produce UV Cure "shark skin" coatings. This specific coating surface can reduce drag on aerospace vehicles and save fuel consumption.

Recycling inks formulation

Our applicative laboratories work closely together with our customer to help them to develop deinking formulation.
Deinking is the industrial process of removing printing ink from paper fibers of recycled paper to make deinked pulp. This is achieved by a combination of mechanical action and chemical means.



Going further

IGM Resins annual results & strategic ambitions

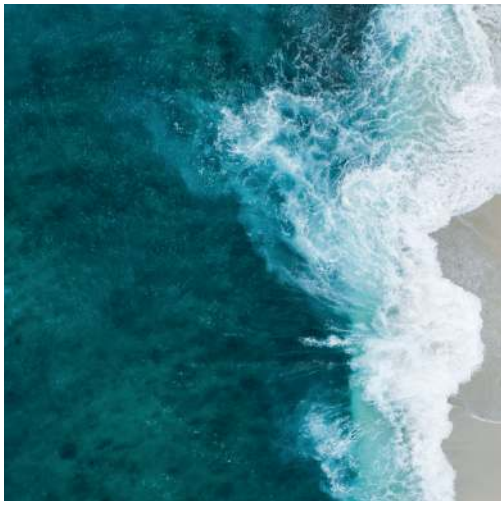
Metric	2022	2023 H1	Ambitions 2030
GHG emissions in tCO2e [scope 1+2][5]	28,877	15,263	[1]
Water consumption in m3[5]	226,358	122,479	[1]
Energy consumption in MWh[2,5]	80,606	40,707	[1]
Release to the Environment	0	0	0
Notice of violation and permit exceedance	1	1	0
Total Recordable Incidents Rate [TRIR][4]	0.6	1.2	0
Major process safety incident - Fire, explosion, implosion	1	0	0
Women in first tier management	25%[3]	25%	50%
Women in first and second tier management	37%[3]	30%	50%
Whistleblowing reportings per annum (internal and external)	0	0	0
Nationalities in first and second tier management	10[3]	9	> 10
% Non-European in first and second tier management	45%[3]	41%	60%
GHG emission intensity in tCO_2e per ton of product produced[5]	3.3	3.6	1.65
Water consumption intensity in m^3 per ton of product produced[5]	25.7	28.9	23.1
Energy consumption intensity in MWh per ton of product produced[5]	9.1	9.6	6.8

All reported actuals are excluding Litian
[1] iGM will submit targets to SBTi for official validation in 2024
[2] In 2030 about 80% of electricity used will be generated from green sources
[3] December values
[4] # of incidents per 100 full-time workers during a one year period
[5] Reported actuals for manufacturing sites only, representing >95% of the total footprint

Our partners:

Our partners	Website	logo
Ecovadis	https://ecovadis.com/	ecovadis
UNSDG	https://unsdg.un.org/	SUSTAINABLE DEVELOPMENT GOALS
UN Global compact	https://www.unglobalcompact.org/	WE SUPPORT UN GLOBAL COMPACT
South pole (Ex CO_2 logic)	https://www.southpole.com/	south pole The Climate Company
Vinçotte	https://www.vincotte.com/	VINÇOTTE
SBti	https://sciencebasedtargets.org/	SCIENCE BASED TARGETS DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

CSR - Version 1



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