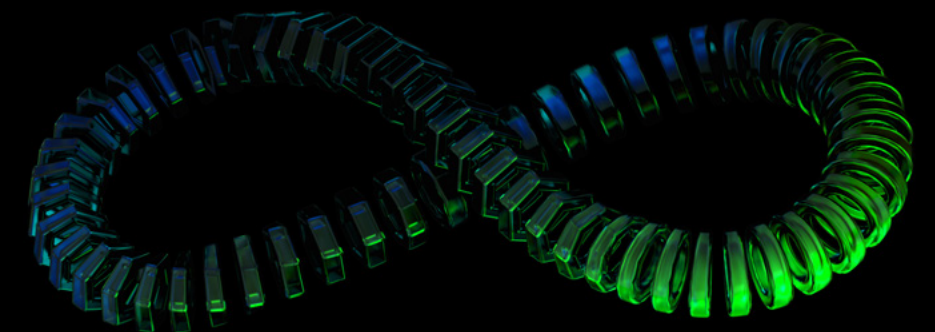


ENTRY PACK

Growth Garage Circular Economy Challenge 2022

Taking innovative ideas
from pitch to product

growthgarage.mcam.com



Growth Garage



Project supported by Mitsubishi Chemical Advanced Materials and Mitsubishi Chemical Europe

The Opportunity

Growth Garage is a business accelerator program from Mitsubishi Chemical Advanced Materials. Our mission is to support and grow new ideas using our technologies and advanced engineering materials to help tackle some of today's most significant engineering challenges.

Growth Garage, in partnership with Wevolver, is inviting engineers, designers, entrepreneurs, innovators, start-ups, companies and students to submit their ideas, technologies, products and services as part of the 2022 Circular Economy Challenge.

This, the third Growth Garage Challenge, offers the winners a unique and exciting opportunity to develop and showcase their innovative ideas with Mitsubishi Chemicals and its network, and win \$25,000 worth of support.

The Challenge also gives the winners access to industry and Circular Economy experts, prototyping and manufacturing technologies, business intelligence, joint marketing opportunities and funding.

What makes this Challenge different?

Unlike many of these challenges, you do not give up a share in your business or intellectual property (IP). Instead, the rights remain in your sole ownership. We also support you to produce a prototype or proof-point of your idea, as well as lots of hands-on support and expertise.

What are the benefits of being an early-bird entrant?

As an early bird entrant, you will have the opportunity to pitch your idea, technology, service or product directly to our expert jury and get feedback to improve your submission, before you submit your entry for the second time.

What unique benefits did previous winners gain from entering the Challenge?

"What has been a massive plus is that MCAM wanted to help us develop the hardware, which can be both challenging and expensive. That's what makes this competition unique and sets it apart." *Michael Deloyer, Delson Aeronautics and previous challenge winner.*

"MCAM are offering us materials, manufacturing and supply chain expertise, as well as initial production runs of our innovative device. Unlike all the other accelerators and competitions that we've seen, MCAM offers something that's genuinely different." *Lorenzo Conti, Founder and Managing Director, Crover and Growth Garage 3DPrinting Challenge winner.*

What promotion do the winners receive?

You get the opportunity to promote your idea, technology, service or product – and your company – within Mitsubishi Chemicals, the Growth Garage and Wevolver communities, and beyond. The marketing and communications package you will receive includes interviews, pitch videos, blogs, articles, and much more.

What else can Mitsubishi Chemical offer?

Mitsubishi Chemical has a broad range of sustainable thermoplastic polymers with a low carbon footprint that can be used to produce finished parts/products with a significantly lower carbon footprint compared to the industry standard. Besides offering sustainable advanced materials, Mitsubishi Chemical actively facilitates prototypes, semi-finished parts or even finished parts for series production.

Why is the Circular Economy essential to Mitsubishi Chemical?

To support the implementation of the Circular Economy, Mitsubishi Chemical has invested in recycling facilities on an industrial scale. This enables customers to send back their production waste and end-of-life products for recycling, so together we can close the loop and drive the Circular Economy. We call this KAITEKI, our philosophy and management framework for delivering our sustainable development promises for our planet Earth.

"In our current Economy, we take materials from the Earth, make products from them, and eventually throw them away as waste – the process is linear. In a Circular Economy, by contrast, we stop waste being produced in the first place. A Circular Economy decouples economic activity from the consumption of finite resources. It is a resilient system that is good for business, people and the environment."

<https://ellenmacarthurfoundation.org/>

The Entry Pack

This comprehensive guide is split into three sections, ensuring you get the most out of taking part in the Challenge:

The Challenge

Find out all the information you need to know about the challenge, as well as:

- What materials, technologies, products or services are in scope?
- Who should apply?
- What categories can you enter?
- When does your entry need to be submitted?
- Why should you be an early-bird entrant?



Entry Checklist

This handy guide will ensure that you include all the information required for a successful entry that grabs the judges' attention. The Challenge is all about the idea and the problem it solves, so don't worry if you haven't fully developed your business model or plan yet. But remember all early-bird entrants and winners will receive help to create these elements.

All entries need to include the following:

- A concise description of your idea and the problems it solves;
- A demonstration of its feasibility and scalability, and how it benefits the Circular Economy;
- An outline of your business model and plan;
- Supporting evidence or proof points to substantiate your idea;
- Images, designs or other visual evidence to back up your entry.



Backdrop

The final part of the guide provides valuable context and background information that will help you develop a successful entry, including:

- The rules of engagement;
- Previous winners' stories;
- A guide to the judges and their backgrounds;
- An introduction to the Growth Garage and the different divisions of Mitsubishi Chemical involved in this Circular Economy Challenge.



The Challenge

The first of 2022's Challenges is our Circular Economy Challenge, open to entrepreneurs and innovators globally. We are looking for students, start-ups, scale-ups and existing businesses to share their transformational solutions in one of two categories.

CATEGORY 1

Recycling Technology

We're looking for inventive and original ideas that improve the mechanical or chemical recycling process and support the production of low carbon footprint materials (thermoplastic polymers) that have a high recyclable content.

WHO SHOULD TAKE PART?

Mechanical and/or chemical recycling is key to producing sustainable thermoplastic polymers, minimising landfill and closing the loop to facilitate the Circular Economy.

- Are you an innovator who has developed technology that improves the recycling process for engineering thermoplastics?
- Does your technology improve the efficiency of mechanical recycling (collecting, identification, sorting, cleaning, grinding, regranulation, etc.) or is it a novel chemical recycling methodology?
- Can your recycling technology or service demonstrate a positive impact on the recycling process for waste or scrap thermoplastic polymers and end-of-life products, for example increased speed, improved quality or reduced cost?
- Are you able to test materials provided by Mitsubishi Chemical Advanced Materials?

If your answer to any of these questions is yes, this is the category for you. In addition, if you have previously tested your technology on customer materials, that will add to your case.

WHAT IS WITHIN SCOPE FOR THIS CATEGORY?

When producing semi-finished shapes or final parts from thermoplastic polymers via CNC machining or injection moulding, scrap or waste is created. If that waste can be recycled, it avoids the need for landfill, incineration or downcycling.

The ability to recycle efficiently often depends on the purity of the recycle stream, which avoids cross-contamination, especially when mixing different types of thermoplastic polymers.

We are looking for innovative recycling technologies that improve the efficiency of this process. Your idea may help:

- Avoid cross-contamination on the shop floor (for example in extrusion, CNC machining, injection moulding, etc.);
- Improve separation of thermoplastic polymers to improve quality, increase speed and reduce costs;
- Deliver low resource-intensive recycling processes, for example involving less or smarter cleaning.

This Challenge is looking for innovative mechanical or chemical technologies that enable the recycling of:

- Industrial scrap/waste (off-cuts, swarf, chips, granulate, runners, etc.) from production/manufacturing polymers and advanced materials in any form factor, with no size limitations;
- End-of-life thermoplastic parts;
- Thermoplastic polymers, such as PMMA (transparent or coloured), PE, PP, PA6/11/12, PPA, PET, POM, PPS, PVDF, PSU, PEEK, PEI...



PLEASE NOTE

Technologies that recycle mixed household plastic packaging and waste such as trays, tubs, pots, bottles, and plastic film are outside of the scope of this Challenge.

CATEGORY 2

Products and Parts

- Do you have a big idea for a thermoplastic part or prototype but:
- Need access to advanced thermoplastic polymers and part manufacturing?
 - Want to realise it with the lowest carbon footprint possible?
 - Are concerned about scrap/waste during manufacturing, recyclability, the carbon footprint of the final part/prototype, and/or need an end-of-life recycling solution?

This second category is open to teams looking to design, develop and manufacture products and parts using the low carbon footprint engineering plastics that are key to delivering the Circular Economy, and/or are looking to recycle the parts at their end-of-life (EOL).

WHO SHOULD TAKE PART?

We are looking for innovative students, product designers, start-ups, scale-ups and established businesses who want to work within the Circular Economy and want to design, develop or manufacture products or parts with low carbon footprint engineering plastics.

- Entrants should be:
- Looking to develop, sell or produce products or parts manufactured from thermoplastic polymers via either CNC machining, injection moulding or 3D Printing (FFF), and who want to reduce the carbon footprint of these products or parts.
 - Looking for a partner to support them in recycling the thermoplastic polymer waste from production (such as cut-offs, swarfs, runners, etc.) or, after collection, recycling the products at their end-of-life.

WHAT IS WITHIN SCOPE FOR THIS CATEGORY?

Mitsubishi Chemical produce a range of sustainable advanced materials and thermoplastic polymers across industries, including aerospace and automotive, medical and life sciences, and building and construction. These include sustainable advanced materials with a low carbon footprint.

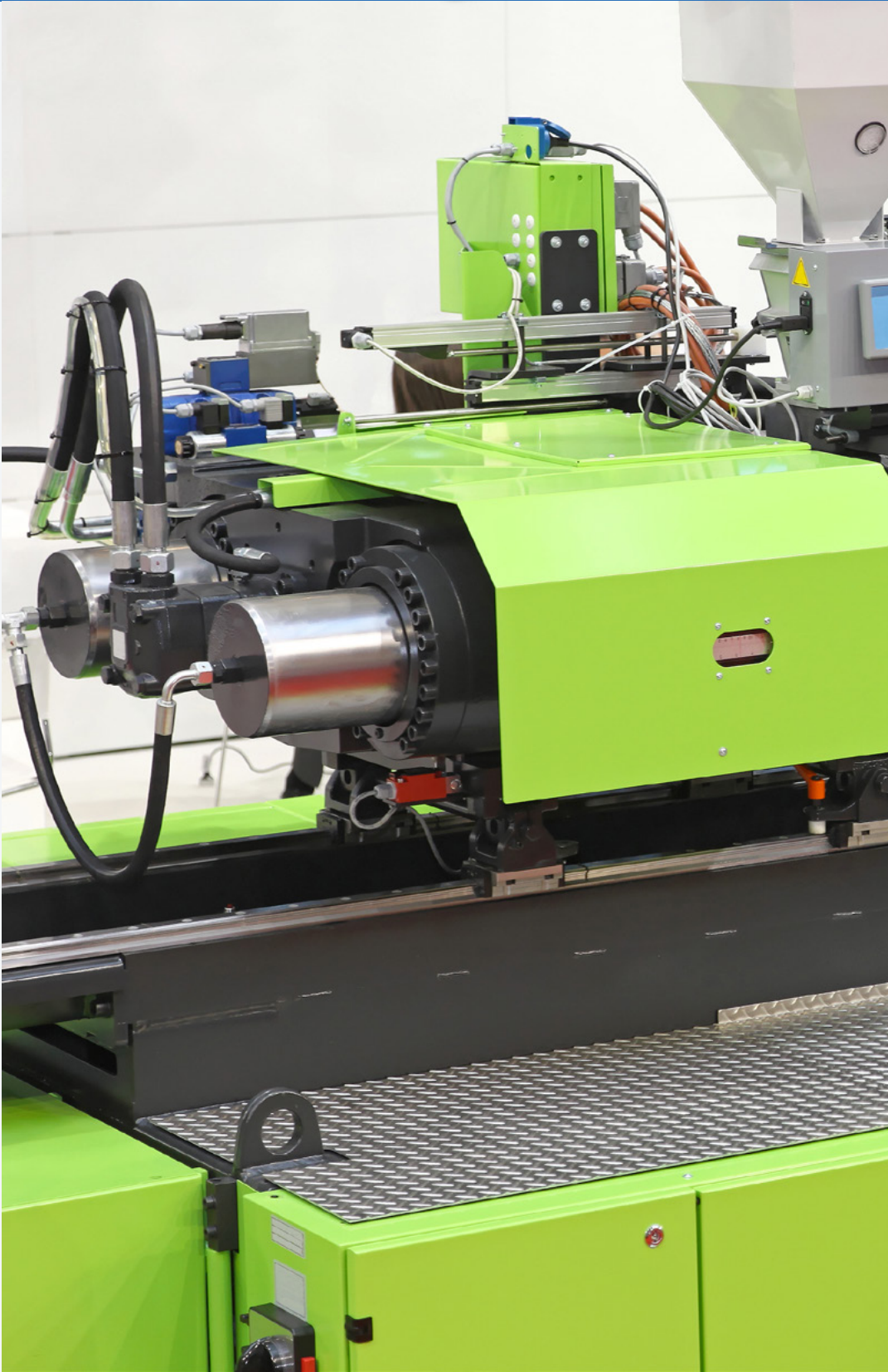
The Challenge is open to ideas using these products:

ENGINEERING
POLYMERS

PE	PA12	PEI
PP	POM	PEEK
PA6	PPS	
PA11	PPSU	

TRANSPARENT
SPECIALTIES

PMMA



Who should enter?

Both categories are open to students, start-ups, scale-ups, individual innovators and more established businesses – if you have an innovative or original idea, we want to see it.

I AM STILL STUDYING. CAN I SUBMIT MY BIG IDEA?

We encourage entries from students, particularly those in postgraduate studies looking to develop their ideas into a start-up at the end of their course. Our Challenges are inclusive but also include a Student Award. Your submission will be assessed and ranked in all categories.

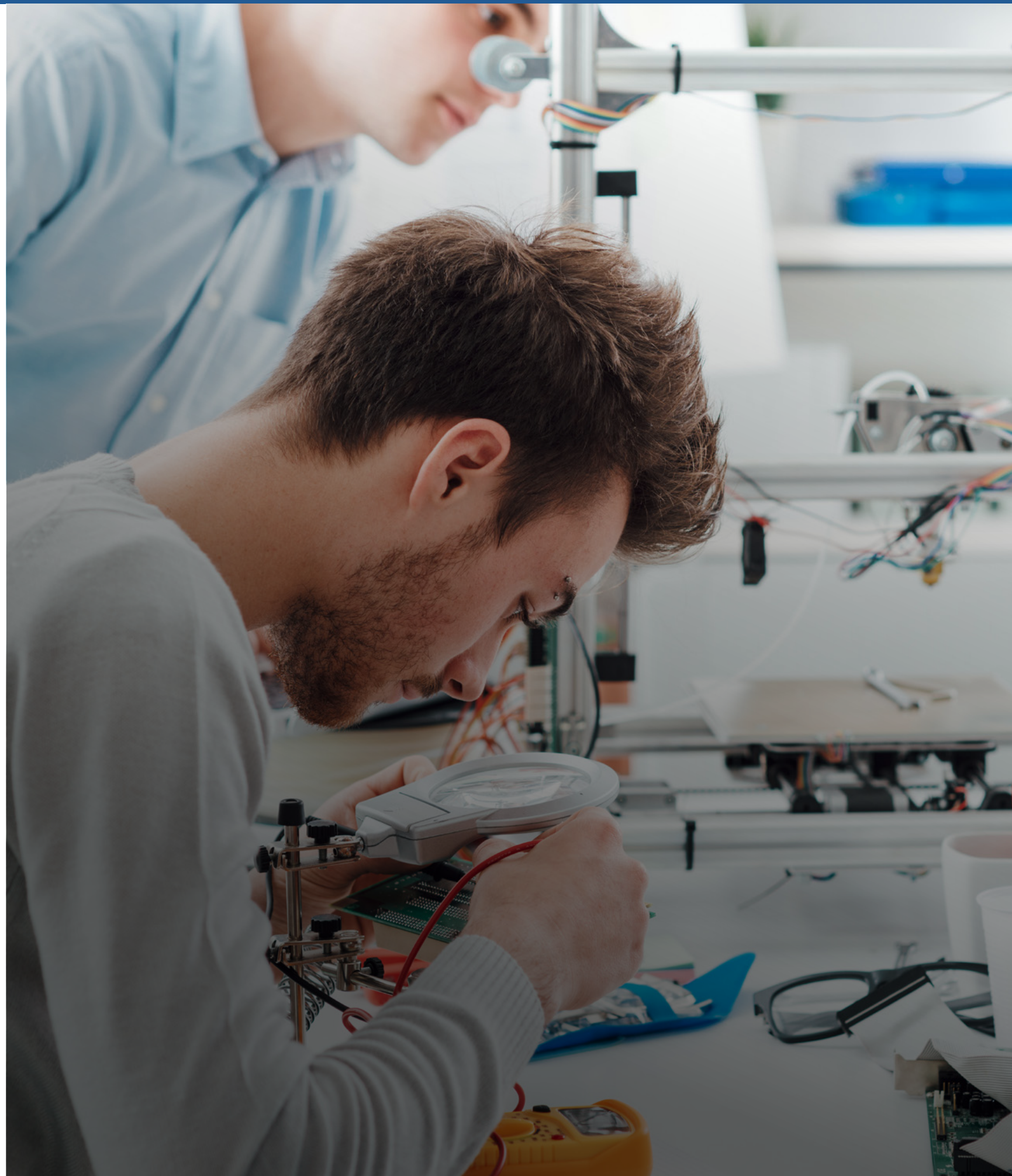
I'VE RECENTLY LAUNCHED A START-UP. CAN I PARTICIPATE?

Yes, of course. When selecting the finalists and winner, we check if you (and your team) have the expertise required to execute your idea with our support. We can provide you with help and expertise drawn from a wide range of industries and sectors, covering:

- Design;
- Material selection;
- Prototyping and production;
- Funding;
- Business intelligence;
- The creation of Minimum Viable Products (MVP);
- Business model development and planning;
- Marketing.

I DON'T NEED FUNDING. CAN I STILL PARTICIPATE?

Yes. We are looking for teams with brilliant ideas at all stages of their development. Mitsubishi Chemical Advanced Materials has a range of resources it can offer more advanced teams and businesses.



What do the winners receive?

Four awards will be given for this, the first Challenge of 2022

CHALLENGE WINNERS

There will be two overall winners, one from each category. Each will receive support worth \$25,000, which includes the following benefits:

For the Recycling category winner:

- Joint testing of their technology or service to assess its technical and commercial feasibility, and to create a proof-point;
- Access to experts from industry and the Circular Economy;
- Access to Mitsubishi Chemicals' network and ecosystem;
- Access to business intelligence;
- Help to develop their value proposition and business model;
- Joint marketing across multiple publications, as well as social media exposure and access to the Growth Garage Accelerator network;
- An option to pitch your idea to Diamond Edge Ventures, the corporate venture capital arm of Mitsubishi Chemical Holdings Corporation, for potential funding;
- Global exposure, including coverage on the Growth Garage and Wevolver websites.

For the Products and Parts category winner:

- Access to low carbon footprint thermoplastic materials (high recycled content, etc.);
- Design and manufacturing to produce a prototype;
- A scale-up plan for manufacturing;
- Access to a take-back program to ensure recycling ;
- Joint testing of their product or part;
- Access to experts from industry and the Circular Economy;
- Access to business Intelligence;
- Help developing their value proposition and business model;
- Joint marketing across multiple publications, as well as social media exposure and access to the Growth Garage Accelerator network;
- An option to pitch your idea to Diamond Edge Ventures, the corporate venture capital arm of Mitsubishi Chemical Holdings Corporation, for potential funding;
- Global exposure, including coverage on the Growth Garage and Wevolver websites.

WEVOLVER COMMUNITY WINNER

Voted on by the Wevolver community, the winner will receive support worth \$10,000, which includes:

- Help selecting and accessing suitable materials;
- Assistance in designing and prototyping parts;
- Guidance through the testing and production of a functional prototype;
- Advice on production planning and how best to scale up their ideas;
- Aid in assessing and improving the sustainability and recycling potential of their project, aiming for zero waste;
- Access to our partner ecosystem and help with potential future co-branding activities;
- An option to pitch your idea to Diamond Edge Ventures, the corporate venture capital arm of Mitsubishi Chemical Holdings Corporation, for potential funding;
- Global exposure, including coverage on the Growth Garage and Wevolver websites.

STUDENT AWARD WINNER

The winning student (or student team) will receive a support worth \$5,000, which includes:

- Mentoring and support from MCAM engineers and business leaders;
- Coverage on the Growth Garage and Wevolver websites;
- Design feedback and suggestions;
- Material selection support;
- Mentoring to create a viable business plan;
- An official winner certificate from Mitsubishi Chemical Advanced Materials - Growth Garage.



What are the key entry dates?



What are the benefits of an early-bird submission?

All entries received by 22 April will receive support and feedback via an online meeting with the judges. They'll critique your entry, giving you ideas on how your idea can be improved. This meeting will also give you a chance to ask questions and gain greater clarity, helping you to maximise the success of your entry.

You then have until midnight on Sunday 22 May to re-submit your entry with any changes.

During the re-submission period, our experts in the field of Life Cycle Assessments (LCA), who are part of the expert team and jury (and our ecosystem), will also be available to help early-bird entrants.

Entry Checklist

CATEGORY 1

Recycling Technology

WHAT SHOULD BE INCLUDED IN YOUR ENTRY?

Completed

What's your idea? What problem is it trying to solve?

☐

Here you need to explain your idea via a concise elevator pitch.

Here are six approaches used by some of the biggest names in Silicon Valley that will help you to describe your idea concisely.

<https://medium.com/@gtabidze/describe-your-idea-framework-2bfca3dc6ec9>

What does your entry need to demonstrate?

☐

All categories are equally important and need to demonstrate four key elements. First, we will be looking at the feasibility of your idea from technical and commercial standpoints. We'll then examine its scalability from the perspective of both your manufacturing methodology and the attributes of your team. And finally, we'll consider its impact on the Circular Economy.



Completed

Feasibility - Technical	• Are you able to run tests based on materials from MCAM? • Have you already tested your technology with (potential) customers? • Is your technology or service fit-for-use (now or in the future) based on waste from thermoplastic engineering polymers from the MCAM portfolio?	☐
Feasibility - Commercial	• What investment is required for your equipment or services? • What is your business model? • What do you need to make your business a success?	☐
Scalability - Manufacturing	• How would you rate the technical readiness of your technology? • At what scale are you able to run your operation?	☐
Scalability - Team	• Do you have the right team and competencies in place to start a pilot and create a joint proof point if you are announced as the winner?	☐
Circularity	• How and where are you positioned in the value chain?	☐

CATEGORY 2

Products and Parts

WHAT SHOULD BE INCLUDED IN YOUR ENTRY?

Completed

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Completed

Feasibility - Technical	• Do you have a product or part design? • Which material(s) and production technology do you have in mind? • Have you already produced a prototype and tested it?
Feasibility - Commercial	• Has the product or part already been in commercial production, or is it in a testing phase? • Have you already tested it with customers? • What is your business model? • What do you need to make your business a success?
Scalability - Manufacturing	• Do you plan to manufacture yourselves, via a partner, or with MCAM? • Which technology do you plan to use for manufacturing for low, medium and high production volumes?
Scalability - Team	• Do you have the right team and competencies in place to start a pilot and create a joint proof point if you are announced as the winner?
Circularity	• Why is your solution better for the environment? • Lower carbon footprint • Less waste • Lower weight or friction or other in-use benefits • Recyclable at its end-of-life

Here are some further pointers you should consider when developing your entry:

FEASIBILITY

While we applaud imaginative thinking, your idea also needs to be a realistic proposal that makes the most innovative use of our materials and technologies. Innovation is more than big ideas – it involves sustainable implementation.

Technical Feasibility

A team of technical experts will assess whether your idea is appropriate for the task at hand and identify potential routes to creating a joint proof point.

It is an advantage if you own the intellectual property behind your solution. As a minimum, you need to demonstrate that you've checked that you are not infringing anybody else's patent. Neither your work nor its use should infringe the intellectual property rights of another person. Please do not share information that is regarded as 'confidential'.

PLEASE NOTE

Neither MCAM nor its partners will claim any intellectual property rights over the content you submit, and your submission does not constitute an invention assignment.

Commercial Feasibility

The success of your idea will partly depend on your business model. We can provide help and guidance for all early-bird entrants in developing their value proposition and business model. However, we also recommend you use the following guides to develop your entry:

Differentiate your idea from other solutions

To check how differentiated your idea is, and to reflect that in your brand positioning, we advise you to read the book 'Find your Zag' by Marty Neumeier. It's easily digestible and includes practical guidance.
<https://www.martyneumeier.com/>

Communicate your business model

To ensure that you have covered all elements in building your business model, we advise looking at the Business Model Canvas by Alex Osterwalder
<https://www.alexosterwalder.com/>

Develop a Minimum Viable Product that allows us to test the viability of your idea

A great way to check commercial feasibility (in an early stage of development) is to create a Minimum Viable Product (MVP). This allows you to test your idea with a small audience and get early feedback. Multiple iteration loops typically follow this first step.

This approach will also allow you to pivot your idea, should you need to. For example, the winner of the second Growth Garage Challenge envisioned a robot for use on the Moon or Mars, but ended up developing a machine to measure temperature and humidity within grain silos.

Typically, the final product (based on customer feedback) is not what was envisioned at the start of the journey. We recommend reading Eric Ries' book 'The Lean Startup' for more insights into this approach.
<https://leanstartup.co/team/eric-ries/>

SCALABILITY

We want to know whether the team you've developed (or plan to build) will provide you with the skills, knowledge and expertise to create a proof point. Not having all the competencies in place yet will not rule you out, as you will get access to our ecosystem and partners to support you (including funding). However, it is crucial to demonstrate how your passion and drive will take your idea all the way.

CIRCULARITY

Sustainability is a large playing field and is one of the main judging criteria.

- Does your entry highlight how your solution or product promotes the Circular Economy?
- We strongly believe in giving more back than we take. Therefore, solutions that take this into account are typically rated as more future-proof, with a higher chance of long-term success in the market.
- Can you quantify the carbon footprint reduction or CO2 emission savings (vs the incumbent solution)?
- Our experts in the field of Life Cycle Assessments (LCA) are part of our jury (and our ecosystem) and will be available to early-bird entrants, as well as to all winners.

The Growth Garage Challenge will also reward projects that can:

- Provide evidence or a proof point to support the idea;
- Identify where the idea is in the development process;
- Supply images, designs or other visual evidence to support the entry.



Backdrop

Here you'll discover some valuable background information to the Challenge and some hints to help you succeed.

WHAT ARE THE RULES OF ENGAGEMENT?

1. Mitsubishi Chemical Advanced Materials claim no intellectual property rights over the material you provide to the Challenge. Your submitted designs remain yours. Your submission does not constitute an invention assignment to Mitsubishi Chemical Advanced Materials.
2. By submitting your entry, you acknowledge:
 - That neither the work nor its use infringes intellectual property rights – whether a patent, utility model, functional design right, aesthetic design right, trademark, copyright, or any other intellectual property right of any other person;
 - You have read and agreed with the rules of engagement;
 - You permit Mitsubishi Chemical Advanced Materials and its publishing partners to share the images you provide on social media;
 - You consent to share your entry with the jury.
3. Contestants agree to be bound by the decisions of the jury.
4. Contestants are not entitled to any compensation or reimbursement for any costs.

WHAT CAN I LEARN FROM PREVIOUS WINNERS?

There have been two previous Growth Garage Challenges, so we asked the winners for some tips on producing a successful entry.

What benefits did you get from being an early-bird entrant?

“I applied early in the entry process, which was extremely helpful as we got feedback that allowed us to tweak and hone the final entry. We were able to ask questions about how the manufacturing process would work as well as technical questions, which also helped solidify the application and provide a really watertight case.” *Michael Deloyer, Delson Aeronautics and previous Challenge winner.*

What was the most challenging part of putting together your entry?

“It was a real team effort. However, it was far easier than some applications we’ve had to do. One of the challenges was the question around material requirements where I needed to lean on a team member who had some expertise in that area. I pulled all the pieces we had together and made it more discursive, and then we went through a couple of iterations to finalise it”. *Lorenzo Conti, Founder and Managing Director, Crover and previous Challenge winner*

“When you are deep inside a topic and project, it is really challenging to boil all the information down to a few sentences. The Challenge criteria got us thinking about the fundamentals of our project. Sustainability was something that we hadn’t thought about specifically. As it was one of the major criteria of the Challenge, it really got us thinking about how we could minimise our product’s environmental impact”. *Aidan Mitchell, Lunar Rover Arm team, Student Winners*



How have they benefited from winning the competition?

“MCAM bring a lot of expertise to the project that we simply don’t have.” *Lorenzo Conti, Founder and Managing Director, Crover and previous Challenge winner*

“Winning the Challenge and having MCAM as our manufacturing partner has been key. The whole experience has been a brilliant stepping-stone and enabled Delson to go from burgeoning start-up to exit in record time.” *Michael Deloyer, Delson Aeronautics and previous Challenge winner.*

“MCAM is helping us scale up the product’s production cost-effectively for the different stages of growth.” *Lorenzo Conti, Founder and Managing Director, Crover and previous Challenge winner*

“Winning the Challenge and having MCAM as our manufacturing partner has been key. The whole experience has been a brilliant stepping-stone and enabled Delson to go from burgeoning start-up to exit in record time.”

Michael Deloyer

Delson Aeronautics and previous Challenge winner.

The Jury

The jury comprises a team of engineers, materials and sustainability experts, and business development leaders. Together they bring several decades of experience to bear on the judging.



Dr Lisa Weigand

Advisor Circular Economy, Mitsubishi Chemical Europe

Lisa believes that the chemical industry plays a major role in making chemicals and plastics more sustainable – and thus reducing the environmental impact of those products. She is passionate about sustainability, innovation and the transformation to the Circular Economy, and supports MCE group companies' implementation of those concepts in their day to day business. She holds a PhD in Chemistry from Imperial College London.



Dr Peter Walde

Founder & CEO at MAPGEY

Peter is a speaker, researcher and entrepreneur. He's the founder of MAPGEY, a leading market research service in the technology sector, which provides an up-to-date and comprehensive picture of the technology landscape and the latest trends, research, forecasts and news. Before setting up MAPGEY, he headed the internal business unit for Volkswagen's data-driven competitive, technology and trend intelligence. He has a PhD in Computer Science from Leipzig University.



Jules Harings

Associate Professor & Group Leader Macromolecular Physics & Technology at AMIBM/Maastricht University

Jules was awarded his PhD in Polymer Technology by the Eindhoven University of Technology in the Netherlands. He spent four years as an industrial research scientist and project leader in fibre physics and new product development for a leading materials business before returning to academia in 2012. He took up his current role in 2019.



Tim Vorage

Founder and Manager of the Growth Garage at Mitsubishi Chemical Advanced Materials

Tim has a passion for open innovation and business development based on the Circular Economy, which resulted in him founding the Growth Garage accelerator for Mitsubishi Chemical Advanced Materials in 2019. He holds a master's degree in Chemical Engineering and PdEng in Process and Development from the University of Eindhoven.



Patrick Suel

Funding President at Diamond Edge Ventures

Patrick has over 18 years of experience managing corporate venture capital (CVC) funds for international companies. He established Diamond Edge Ventures, the corporate venture capital arm of Mitsubishi Chemical Holdings Corporation, in 2018. In addition, Patrick has 30 years of start-up experience in software, technologies, venture investment, international marketing and business development. He holds master's degrees in both artificial intelligence and physics.



Mark Geljon

Customer Experience leader, change-maker, and social entrepreneur

Mark is the founding partner at GriDD, which designs fantastic customer experiences and effective organisations. He works as a change-maker and strategic sparring partner at large corporations to create transformational business strategies. He's also an entrepreneur who loves building ideas to make them work, create value and build platforms that matter. He has an MSc in systems engineering, policy analysis and management from the Technische Universiteit Delft.



Randy White

Chief Innovation Officer at Mitsubishi Chemical Advanced Materials

Randy is the former President and CEO of Piper Plastics, a leading supplier of plastic fabrication and machined plastics in the US. He joined MCAM in 2019.



Simon McEvoy

UK Head of Strategy & UX at Omobono

Simon is a commercially minded marketing leader with a background in brand, campaigns, user experience (UX), content marketing and digital. He has worked with large multinationals including Xbox and Samsung, and with smaller organisations and NGOs such as the National Trust and Samaritans. Simon has worked at Omobono, a creative agency for enterprise business brands, since 2017. He has a degree in philosophy from the University of York.



Henning Bloech

Global Director Sustainable Solutions, Mitsubishi Chemical Advanced Materials

Henning is an accomplished sustainability expert, business leader and strategic marketing professional with global experience across various industries. He drives sustainability strategy, including Circular Economy infrastructure and sustainable business models, for MCAM through products and investments, and supports MCAM's vision of KAITEKI in terms of how we operate our business and how its products impact the world around us.



Bram Geenen

CEO and co-founder of Wevolver

Wevolver is a platform and community founded by Bram in 2014. It enables the engineering community and industry to connect around deeply informative content that helps them to understand the latest in cutting edge technology – including robotics, autonomous vehicles, aerospace and cleantech. He has a degree in 3D design from HKU University of the Arts, Utrecht.



Andy Rudd

Global New Business Development Manager, Mitsubishi Chemical Methacrylates

Andy has over 20 years of commercial management experience within SME and multinational organisations in the global chemical industry, with a proven track record of sales and marketing management and business development. He's developed existing products and led the development of new products, innovations and markets.

What do we do?

“To meet the challenges of tomorrow we have to nurture the visionaries of today.”

We foster open innovation and collaboration with innovators and entrepreneurs to uncover new growth opportunities, accelerate the implementation of the Circular Economy (CE), and positively impact the well-being of people, society, and planet Earth.

Mitsubishi Chemical Advanced Materials (MCAM) is a leading global manufacturer of semi-finished products and finished parts using high-performance materials. The company has locations in 20 countries and more than 2,800 employees. Its speciality engineering thermoplastics and composites are superior in performance to metals and other materials and are used in various applications, primarily in the capital goods industry. In addition, the company is continuously developing new applications in close cooperation with industry leaders in a wide variety of customer markets. As a result, the Mitsubishi Chemical Advanced Materials Group is well prepared to further expand its market-leading position.

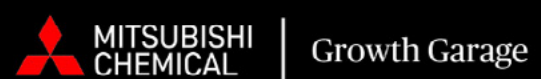
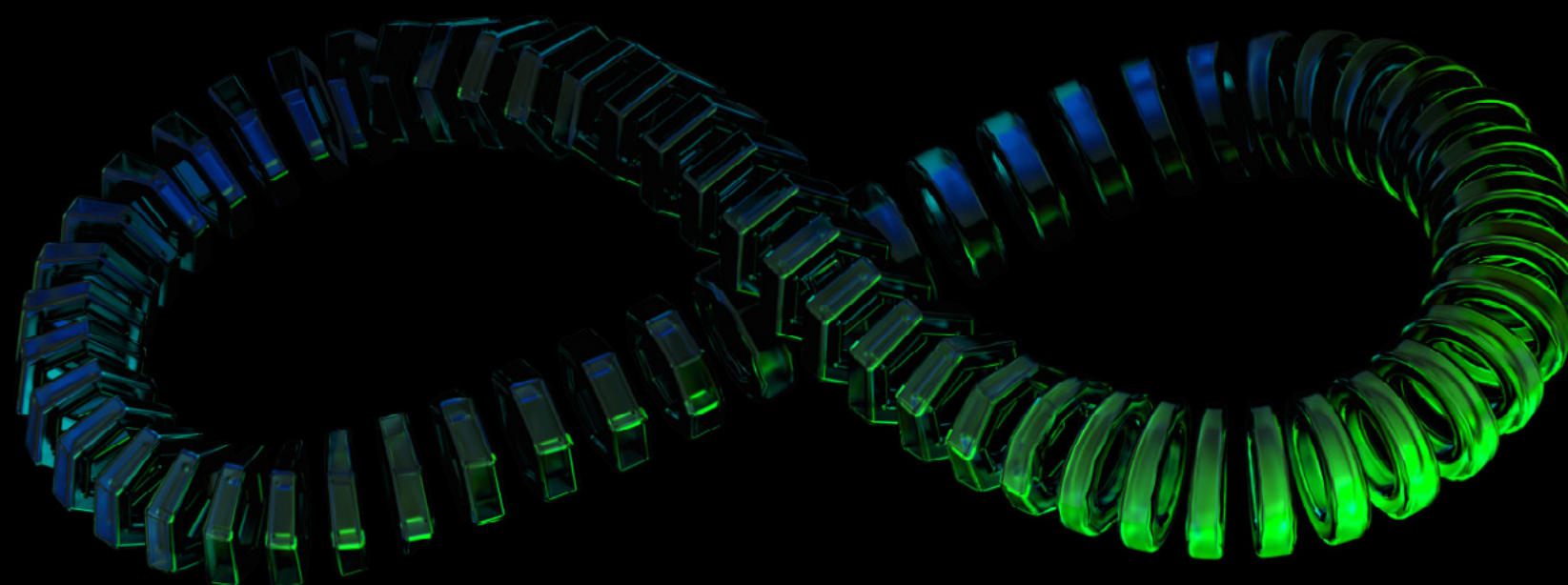
Supporting the vision of our holding company, Mitsubishi Chemical Holdings Corporation (MCHC), Mitsubishi Chemical Advanced Materials is committed to the realisation of KAITEKI, “a sustainable condition which is comfortable for people, society and the Earth”. To realise this vision, the MCHC Group engages in corporate activities that provide products, technologies and services based on the comprehensive capabilities of the group in performance products, industrial materials and health care, with chemistry as the basis of our activities. We jointly express and promote our commitment under the corporate brand THE KAITEKI COMPANY.

This Challenge is hosted by:
[Growth Garage](#) an initiative of Mitsubishi Chemical Advanced Materials

and supported by:
[Mitsubishi Chemical Methacrylates](#)
[Mitsubishi Chemical Engineering Plastics](#)
[Mitsubishi Chemical Advanced Materials](#)
[Mitsubishi Chemical Europe](#)
Mitsubishi Chemical Europe CE team

In cooperation with our partner [Wevolver](#) - an online community that empowers people to create and innovate by providing access to engineering knowledge.





Project supported by Mitsubishi Chemical Advanced Materials and Mitsubishi Chemical Europe