



THE LEADING STARTUP COMPETITION

IN COMPOSITES & ADVANCED
MATERIALS



JEC COMPOSITES

STARTUP BOOSTER

The leading startup competition

WHAT IS STARTUP BOOSTER COMPETITION?



Startup Booster is the leading startup competition in the world of Composites & Advanced Materials.

Since 2017, Startup Booster has been organized in three different regions (Europe, USA and Asia) and has already fostered the emergence of **500+ innovative projects** from **40+ countries**, **60 finalists** and **24 winners**.

It is a unique competition to detect innovation in the Composites & Advanced Materials field and the unique opportunity to:

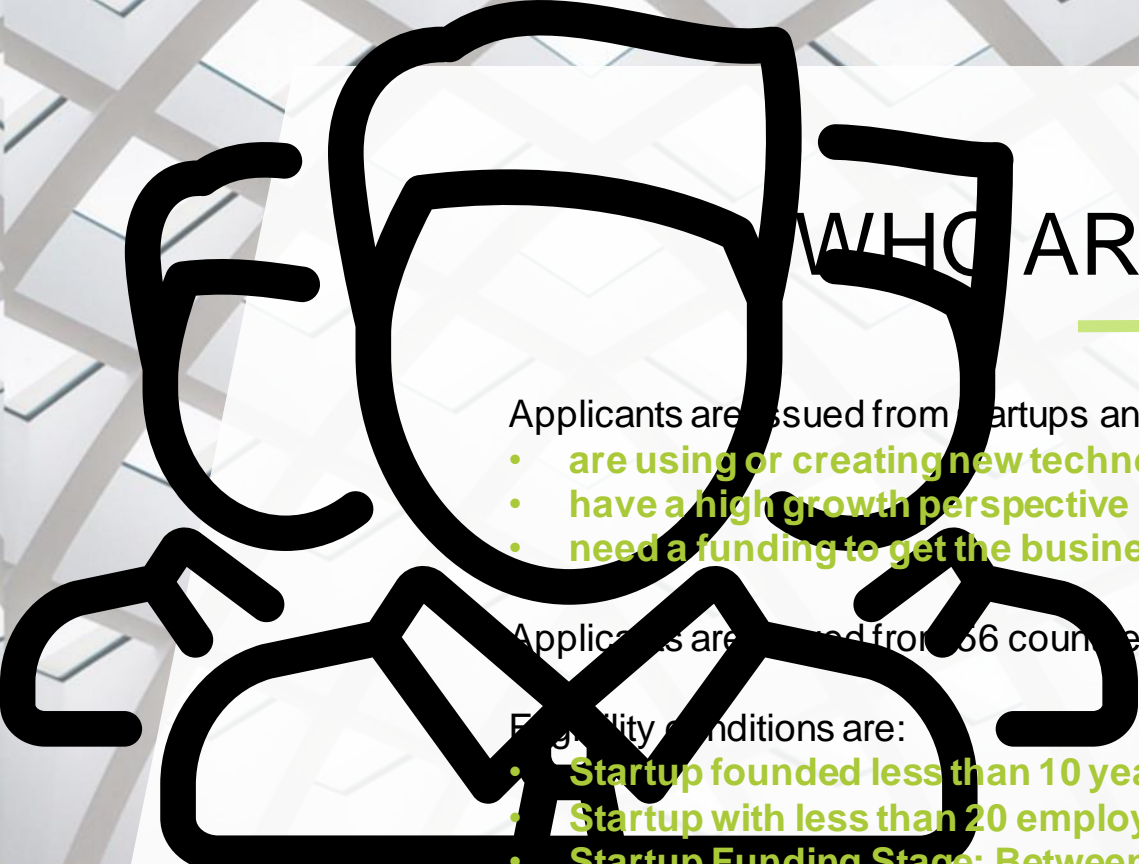
- **SOURCE** new innovations
- **NETWORK** with promising startups
- **JOIN** an international jury
- **HIGHLIGHT** your brand towards the Startup & Composites Community

STARTUP BOOSTER SPONSORS 2022

AIRBUS

DAIMLER

 **MAGNA**



WHO ARE THE APPLICANTS?

Applicants are issued from startups and university spin offs in the field of Composites who:

- are using or creating new technologies or products
- have a high growth perspective
- need a funding to get the business off the ground

Applicants are issued from 66 countries: **35% from US, 20 % from Europe**, 9% from India, 5% from South Korea, etc.

Eligibility conditions are:

- **Startup founded less than 10 years ago**
- **Startup with less than 20 employees**
- **Startup Funding Stage: Between Seed stage and Series A**
- **Startup addressing sustainability in their solution**



2 categories to apply:

Products & Materials
<ul style="list-style-type: none">▪ New composite materials (recyclable, healable, etc.)▪ Bio-based materials▪ Smart Textiles / Smart Surfaces / Flexible Composites▪ Glass transparency Solutions▪ Composites in new mobility solutions (hydrogen tanks, fuel cells, battery, etc.)

Process & Equipment
<ul style="list-style-type: none">▪ Design▪ Manufacturing▪ Industry 4.0, Smart industry (AI, IIoT, Sensors)▪ Additive Manufacturing▪ Simulation, Non-Destructive Testing, online monitoring, inspection▪ Recycling & Sustainability▪ Circular Economy

A WIN-WIN PROGRAM



For Start-ups

- **A business acceleration** with the chance to reach key decision makers and to find industry partners and customers
- **Funding Opportunities** with the Venture department of Key Composites Companies
- **A boost to the brand awareness** towards the 43,000 industry players present at the show
- **A boost to the brand awareness** towards the 100,000+ members of JEC Group community



For Corporations / Industry

- **An access to innovative**, specialized composite startups that can have an impact on their business
- **A venturing Identification effort**, realized by JEC Group
- **An inspiration** from a new generation of entrepreneurs
- **Networking opportunities** with universities, R&T and R&D centers, clusters, associations, industries and media
- **A brand positioning** with a successful program



WHAT'S NEW IN 2022



Startup Booster 5th Anniversary



Sustainability Focus

Creation of a Sustainability Award among the winners



New location for Startup Booster Activities (Startup Village, Pitch Sessions and Awards) – Hall 6

STARTUP BOOSTER 5th ANNIVERSARY



Winners of the first five editions



3D Printing for High Performance Applications



aircraft seating design, engineering and manufacturing



Continuous fiber 3D printing solutions for manufacturing optimal composites with continuous fibers



Develop and manufacture new products with ultrasrong, lightweight continuous carbon fiber



Continuous Composites

Continuous Fiber 3D Printing



solving damage issues for the composite materials industry by developing smart sustainable textile systems



Dou Ys' Chem

Developing nanomaterials with new functions & characteristics



ELEMENTAL COATINGS

Developing next-generation anti-icing and anti-scaling coatings



creates and develops thermosetting composite parts with its two exclusive industrial processes



conductive smart materials from graphene



metallization of synthetic fibers



LAVOISIER

New generation of material entirely sourced from the French aerospace transformation sector



production-scale nanotechnology materials for composites



Creating sustainable biomaterials



Advanced Materials for a quieter world



Recycler of advanced materials



sustainable and carbon-negative materials



Bridging synthetic biology & organic chemistry

STARTUP BOOSTER 5th ANNIVERSARY



2022 will mark the 5th anniversary of Startup Booster Competition.

To celebrate the 5th edition of Startup Booster in 2022, a special Startup Booster fifth anniversary session will be organised.

This session will welcome the sponsors of the competition together with three past winners of the competition.

The session will discuss:

- Startup Booster and its benefits for startups and sponsors
- The relationship between corporates and startups
- The current innovations and trends in the Composites Industry
- The need for sustainable solutions

SUSTAINABILITY



One of the major challenges of the Composites Industry is sustainability!



Evolution of the application form to integrate the sustainability aspect of each solution/innovation



**Integration of Sustainability aspects in the pitch of the finalists
Integration of an evaluation criteria based on sustainability aspects**



Creation of a Sustainability Award among the winners

NEW LOCATION FOR STARTUP BOOSTER 2022



Startup Booster will take place in Hall 6

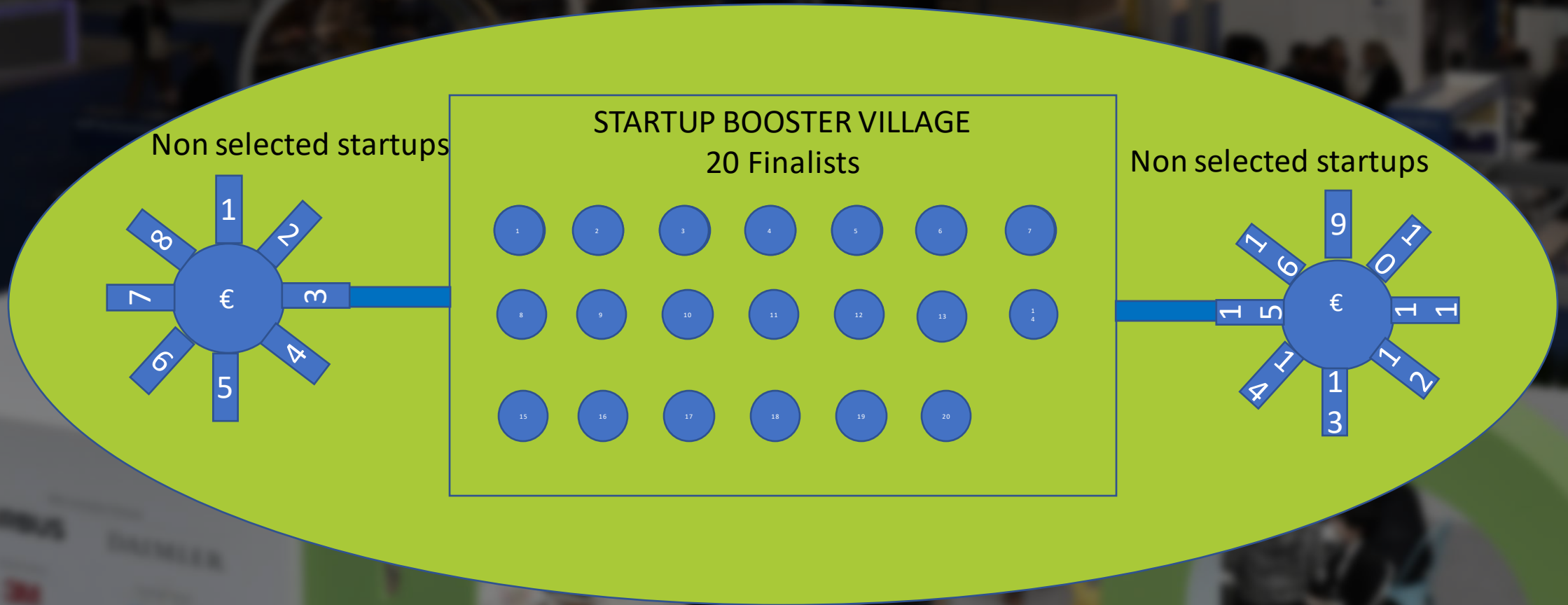
Startup Village at the entrance of Hall 6

Pitching Sessions, 5th anniversary session and Startup Booster Awards to take place in Agora 6

Agora 6 is a new conference room in Hall 6 with the same size, setup and standards of the Agora in Hall 5.



EXTENDED STARTUP VILLAGE AT JEC WORLD 2022

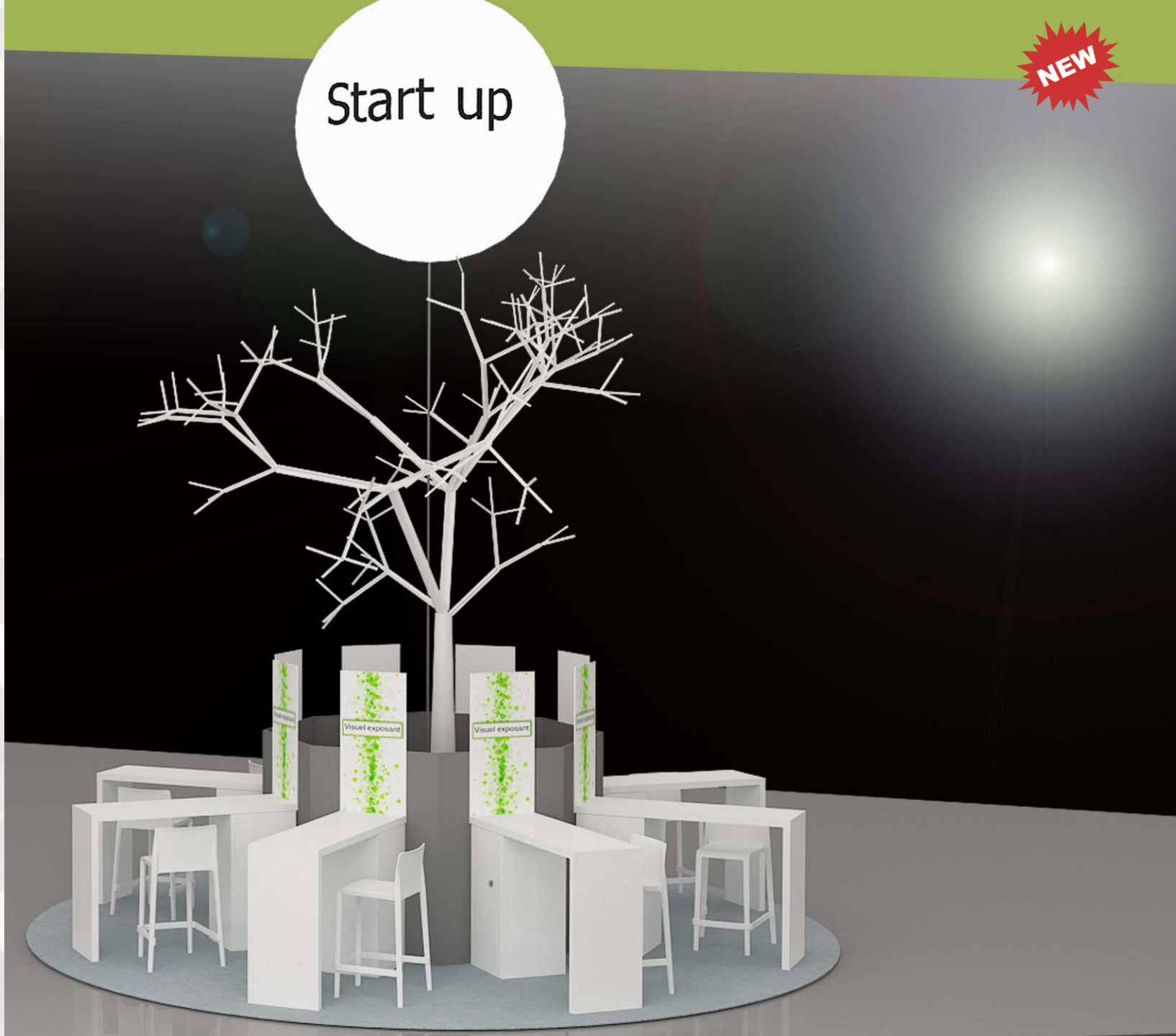


STARTUP HUB

A possibility for non-selected startups to participate in JEC World 2022 and present their innovation.

Start up

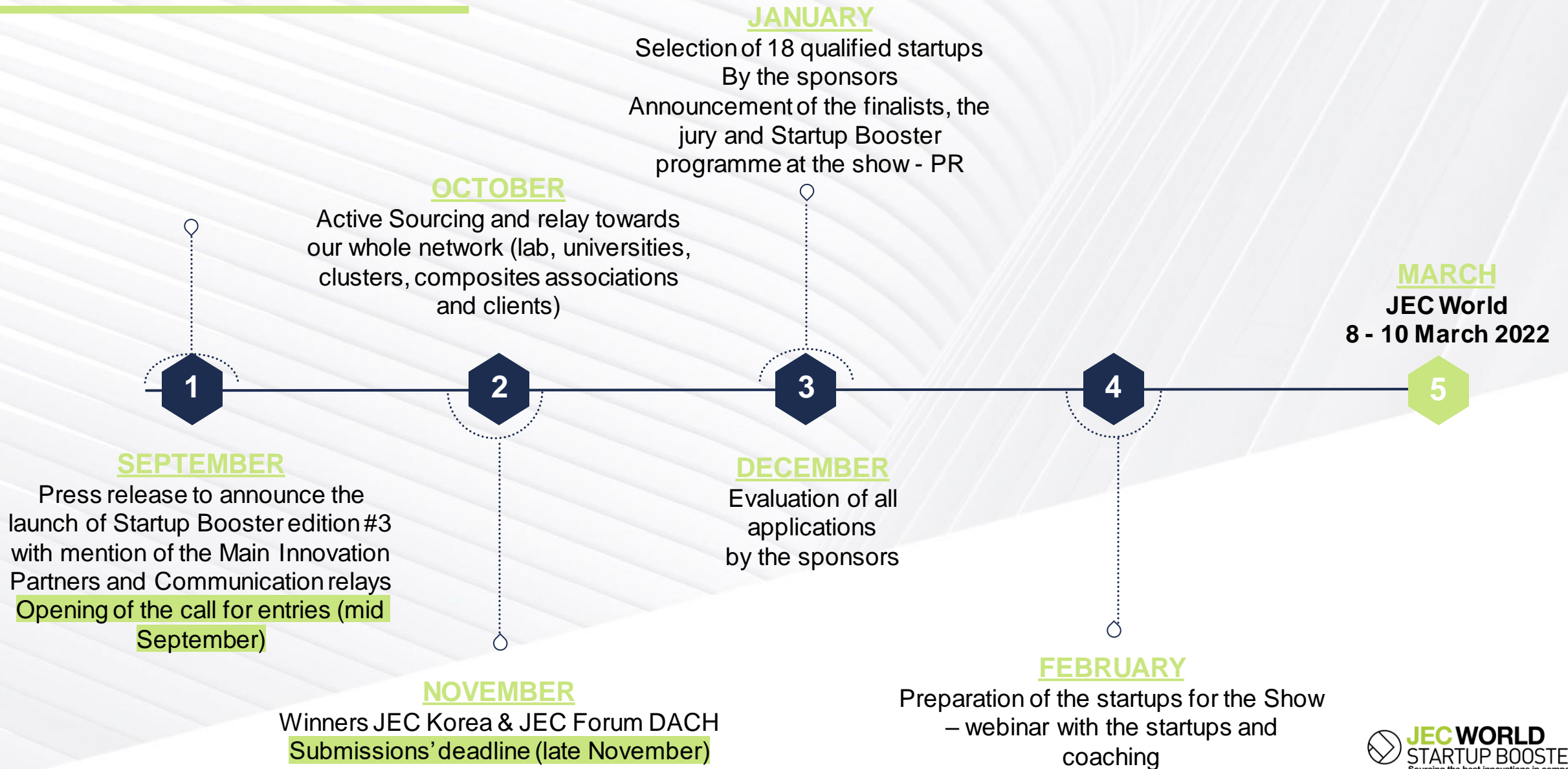
NEW



WHAT WILL HAPPEN AT JEC WORLD 2022?

- **20 startups will be selected to pitch in front of a jury of experts and leading players during JEC World 2022:**
 - 18 startups selected through a dedicated call for entries from September to December 2021
 - 2 startups selected through semi finals at JEC Forum DACH (Germany) and JEC Asia (Korea)
- **The 20 finalists will also benefit from:**
 - a presence on the Startup Village with a dedicated pod (entrance of hall 6)
 - a large communication plan: JEC Group Media + 5,700 targeted journalists + 1,500 international trade magazines
 - a personal coaching for their executive pitch before the show by Startup Sesame and JEC Group
 - a direct access to the jury members and the main innovation partners teams
 - a mentoring sessions during the show with industry experts
- **3 Winners will be announced at the show after the pitch session and will get the following advantages:**
 - 3,500€ financial prize
 - fully equipped booth at JEC World 2023 (Value: 10,000€)
 - an advertising page in the JEC World 2023 PREVIEW magazine, sent to over 80K contacts (Value: 2,800€)
 - 4 full invitation packages for JEC World 2023

AGENDA OF STARTUP BOOSTER 2022



AGENDA DURING JEC WORLD 2022

	March 8th	March 9th	March 10th
Morning	First 10 finalists to pitch	Meetings with startups	Meetings with startups
Afternoon	Last 10 finalists to pitch	5th anniversary Session	Meetings with startups
	Deliberation	Startup Booster Awards Ceremony	

For the pitch sessions, the 20 startups will be divided either:

- By stage of development (year of founding, funding and team)
- By categories (Products & Materials and Process & Equipment)



Be associated with Startup Booster 2022

Attractive Recruitment

Linked to the support of recruitment partners, universities, R&T and R&D centers, clusters, associations and media

Strong Industrial Partners

Support from major corporations, including Airbus, Daimler, Alcatel, 3M, Solvay Venture

High Level Jury

Composed of experts from international groups and companies

Get visibility

- Recruitment campaign
- Press Releases
- Marketing campaigns
- Full coverage
- A massive voting campaign
- A strong setup at the show



Source innovations

Gain priority access to 100+ disruptive startups and projects in the Composites Industry

MAIN PARTNER EXCLUSIVE OPPORTUNITIES

SPONSORING

- **ACCESS TO ALL APPLICATIONS BEFORE THE EVENT** (December 2021)
100+ startups presented unique innovations last year (see annex page 13)
4,000+ data points collected through +35 questions (in application form)
- **1 JURY MEMBER PARTICIPATION IN 4 EVENTS**
Selection of the finalists in January and pitch session/selection of winners during JEC World in March
- **BE THE FIRST TO MEET THE STARTUPS BEFORE THE EVENT**
Start to build together your future collaboration
- **1 DEDICATED AREA TO WELCOME YOUR CONTACTS**
6 sq.m lounge inside the Startup Booster Village located in the entrance of hall 6
- **5MIN INTRODUCTION SPEECH DURING THE AWARDS CEREMONY IN THE AGORA**
Brings together more than 200 people/ seats on site, live projections on screens and replay on the web
- **PARTICIPATION AS A SPEAKER IN STARTUP BOOSTER 5TH ANNIVERSARY SESSION PRIOR TO THE AWARDS CEREMONY**

MAIN PARTNER VISIBILITY

ONLINE



- Logo officially listed in **JEC World Official program**
- Logo on the **call for entries platform** on the website
- Logo and quote on JEC World website **specific page dedicated**
- Logo in sponsors list on the **homepage** of JEC World website
- **Speakers bio, photos** and program session listed on JEC World website
- Branding with logo on competition **application platform**
- 2 posts on **social media**
- **E-kit** given to sponsor with customized banners and program logos
- Program listed in **Event App**

PRINT



- **Advertising in JEC World Preview:** logo on page presenting the program
- **Interview in JEC World Preview** for the jury member
- Logo in the **Visitors and Buyers Guides**
- Logo officially listed in **JEC World Official program**

(See annexes for more examples pages 15 à 24)

JEC WORLD 2019

SHAPING INTUITIVE MOBILITY AT DAIMLER

Dr. Karl-Heinz Füller is responsible for material and concept innovations at Daimler AG and a member of the jury for the JEC World 2019 Startup Booster competition. We asked him about Daimler's vision of the future of mobility and what he is looking for at this year's Startup Booster.

K.H.F.: I expect a little increase in the use of composite materials in the next years in general. Thermoplastic applications and hybrid solutions might have the biggest potential for higher production volumes.

What are your objectives in attending JEC World 2019?

K.H.F.: JEC World is the right place to have project discussions with all stakeholders at the same time. Besides that, I am looking for innovators within the startup event.

Daimler has been an Innovation Partner of the Startup Booster since its introduction in 2017. What are you looking for at this year's competition?

K.H.F.: I'm primarily looking for sustainable material technologies and processes in this year's competition.

What is your best advice for startup entrepreneurs in composites?

K.H.F.: Always consider the customer's view – and the whole range of competitive technologies. More information: www.daimler.com

JEC Composites Magazine: Please tell us what market and technology trends are driving your business strategy?

Karl-Heinz Füller: For us, CASE will shape the future of mobility. CASE stands for the fields of networking (Connected), autonomous driving (Autonomous), electric use (Shared & Services) and electric powertrains (Electric). The four CASE fields are an integral part of the corporate strategy of Daimler AG. The aim is to shape intuitive mobility for our customers through intelligent dovetailing of the CASE topics.

More specifically, what factors are shaping your strategy for using composites?

K.H.F.: We don't prefer a specific material. It is always a combination of function, cost and quality which leads to a material decision. In fact, trends like electric driving, increasing variants and individualisation are opportunities for composite applications in the future.

Do you expect your use of composite materials to increase over the next 5-10 years, and which composite technologies do you expect to play a key role?



DR. KARL-HEINZ FÜLLER,
MANAGER, MATERIALS &
CONCEPTS, DAIMLER AG



JEC GROUP
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Take inspiration, meet with the most innovative #startups and participate to #workshops on #JECWorld 2019. Join Airbus, Startup Sesame, Daimler AG, Altair, FAURECIA VENTURES, CEMEX VENTURES, Woodoo on the #JECStartupBooster Village! <https://bit.ly/2IDwXCS>

JEC COMPOSITES STARTUP BOOSTER
The leading startup competition

30

JEC COMPO



Join our Startup Booster village!

jec-world.events

21 Likes · 1 Comment

THEY ARE OUR OFFICIAL MAIN PARTNERS SINCE THE FIRST EDITION IN 2017

AIRBUS

DAIMLER

Airbus (Jelle Bloemhof, Head of Composites Manufacturing Technologies at Airbus):

“As an industrial partner of the JEC Startup Booster Airbus gets great direct engagement with the innovators who are defining solutions for the future. This is complementary to our regular technology scouting activity, particularly in relation to innovation on materials, auxiliary materials, processes and equipment.”

Daimler (Karl-Heinz Füller, Head of Future Outside and Materials, Daimler):

“Startup Booster is a very important channel to catch material innovations and trends from a global point of view. The expectation from our side is that Startup Booster collects and densifies composite material innovations from all over the world.”

And joined by MAGNA in 2021



Magna (Grahame Burrow, President of Magna Exteriors):

“Magna continues to develop its core competences in-house at an accelerated pace and we partner with the brightest and best for additional technological advancements. Competitions like Startup Booster help us uncover those kinds of opportunities. By combining the technical focus and agility of startups with the global volume production experience of Magna needed by OEMs we have a roadmap to accelerate technology development in far shorter time scales.”



STARTUP BOOSTER SUCCESS STORIES

DAIMLER



Following their participation to Startup Booster at JEC World 2019, Daimler has entered into a cooperation with bio-composite manufacturer UBQ Materials <https://www.daimler.com/sustainability/resources/ubq-interview.html>

AIRBUS



Arevo, one of the winner of Startup Booster 2019, worked with both Airbus and Stelia Aerospace to produce an aircraft landing gear door bracket optimised with generative design, which consists of a single 3D-printed part that replaces four metal parts welded together.

Since then, Arevo has raised \$25M, and Airbus is one of the investors <https://www.composites.media/arevo-to-announce-mass-of-3d-printed-parts-initiatives-at-jec/>

DAIMLER



After winning Startup Booster in 2019, Woodoo started a collaboration with Daimler to create digital automotive dashboard made of Augmented Wood https://www.youtube.com/watch?v=r9Uy_pmTWrs

STARTUP BOOSTER 2021 in figures



1,106 startups contacted



43 countries



3 sponsors



20 finalists



765 participants
(pitching sessions)
396 participants
(ceremony)



205 applications received
(119 eligible)



21 Recruitment partners (233
contacted)



5 jury members



3 winners

