



Public Procurement
Promoting Innovation

Timber offensive for Austrian motorways

This is a translation – for the original challenge description, contacts and submission go to: <https://www.ioeb-innovationsplattform.at/challenges/detail/holz-offensive-fuer-oesterreichs-autobahnen/>



An initiative of

 Federal Ministry
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 Federal Ministry
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Climate Action, Environment,
Energy, Mobility,
Innovation and Technology

In cooperation with

 **BBG** BUNDES
BESCHAFFUNG

Challenge Sponsor

[ASFİNAG | Autobahnen- und Schnellstraßen-Finanzierungs-Aktiengesellschaft](#)



Background / Point of departure

The heat waves and floods this summer have probably finally contributed to the fact that global warming has arrived in people's minds. The debate is not only about "flight shame" or meat consumption, but also about mobility and construction.

Construction in particular uses a great deal of concrete and steel, which is responsible for a considerable proportion of CO2 emissions. Alternative materials are increasingly being tested in order to bring more environmentally friendly building materials into use.

ASFİNAG, the company mainly responsible for Austria's freeways and expressways, would like to make particular use of a building material that has served mankind well for thousands of years: Wood!

The company has its own stock of trees, along the roads or in the immediate vicinity of them. A part of the tree existence is already processed as biomass, the usable wood existence is to flow in future to a visible use as building timber.

ASFİNAG has already successfully tested traffic signs made of bamboo and Accoya. The "green" traffic signs indicate what could be possible in the future, as the new timber construction offers tangible innovative solution possibilities.

Main Question

What new uses are there for wood in the area of freeways and expressways? Which products made of wood help ASFİNAG to reduce its CO2 emissions?

Desired situation

As a complementary measure to reduce CO2 emissions, ASFİNAG would like to increase its focus on the use of wood. The aim of this challenge and the innovation dialog is to learn about innovative uses and new areas of application for wood.

ASFİNAG is looking for exchange with companies that offer innovative products and solutions for sustainable applications made of wood. Convince those responsible of your ideas. Important prerequisite: a concrete application possibility or an innovative use case.

Worth knowing: ASFİNAG operates a road network of 2223 kilometers with 371 junctions, 166 tunnels with 383 kilometers of tubes and 5769 bridges. The company also operates 54 rest areas, 118 parking lots and 47 Park & Drive facilities.

Important: ASFINAG is already using wood as a building material for:

- Noise barriers made of wood along the highway
- partial use of wood in building construction
- Exterior facade of WC facilities at rest stops made of wood
- Pilot project on traffic signs made of wood
- Salt silos made of wood
- In-house wood chip heating systems
- Wooden carports at employee parking lots

ASFINAG considers the sustainable use of wood to have a useful life of around 30 years. Innovative products and solutions that can be tested and have a CE mark are particularly desired.

Details for your submission (Call for proposals)

We are currently in the market exploration phase with the challenge. Take advantage of this opportunity: ASFINAG is looking for companies that have innovative use cases and new areas of application for wood in the form of products and solutions that are as concrete as possible in their portfolio. It is not necessary to submit a final concept, study, plan or design specially prepared for this event. It is about the own implementation idea, concrete product use and competence to convey.

Important note: In your online submission, please present your idea(s) and solutions for the sustainable use of wood in ASFINAG's business area, including a short description of your company on a maximum of 10-12 presentation slides or 4-5 A4 pages. The online submission consists of:

Description: Outline your solution/idea or your concrete product you would like to present to ASFINAG in particular as an implementation partner. Feel free to draw on reference examples. Think about the evaluation criteria. Convey your ideas and give the jury an impression of the possible applications you envision with your solution. What makes your product innovative? What would you bring to the table that is out of the ordinary? What competence do you have? What concrete implementation experience do you have for such a project?

Summary of the added value: Summarize your unique selling proposition and decisive advantages. Cross readers should be able to grasp that at a glance.

Confidential info for the jury (optional): In this text box, you can enter information that you would like to share exclusively with project officials. Alternatively, email a pdf to the challenge moderator.

Additionally, you will need a cover image. This will be your visual signboard when reviewing submissions to this Challenge. Optionally, you can also attach a file. This file should complement the texts of the form fields but not replace or repeat them! Use the file attachment e.g. for graphics.

Submission Deadline is: November 30th, 2021

Benefits of the Challenge and further course of the project

This challenge provides the sponsor with an overview of innovative products and possible uses of wood as well as potential cooperation partners. The jury of internal experts invites those companies to an innovation dialog whose submissions stand out particularly positively in terms of the evaluation criteria. The possible applications and the company's range of products and services can be discussed in more detail.

As a company, participation in the Challenge puts you on the radar of ASFINAG and other interested parties. You can place your offer. If you are among the winners and are invited to the final innovation dialog, you will have the opportunity to exchange ideas directly with those responsible. Be optimistic: Please keep **January 11, 2022** free for the innovation dialog.

Note: The public part of your submission will remain viewable even after the challenge is over. It is a business card for other interested parties - keep them in mind as well when designing it.

Depending on the results, the further project plan includes the following:

ASFINAG would like to use more wood in the use of building materials. Your submission is an impulse. Subsequent steps depend above all on the degree of maturity of the solution or the area of application, the company behind it, the complexity of implementation and the final assessment of the jury.

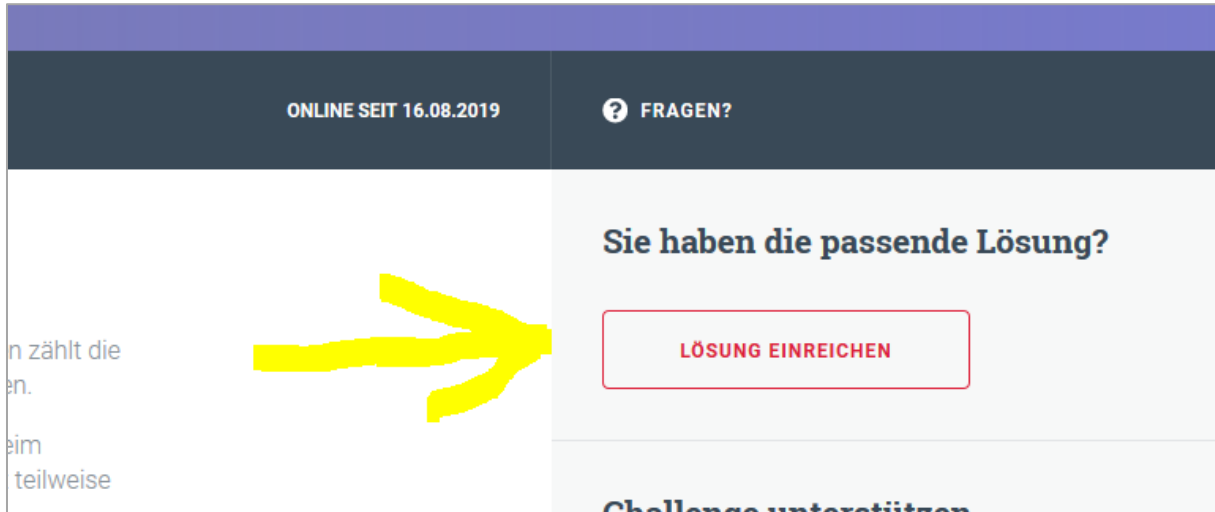
Possible steps include testing, pilot projects and initial orders. Companies that did not take part in this market exploration are also eligible.

Your Questions

Contact the moderator or [post your question about the challenge](#). Our moderators will check and research and then publish your question alongside the answer. This way, all potential participants are certain to have access to the latest information.

How to submit a solution/idea

Go to the challenge page. Click on the button "Lösung einreichen" on the top right side of the page.



- Beschreibung
Post a meaningful description (make references to the description of the challenge and evaluation criteria on the right side of the challenge page)
- Mehrwert
Highlight the benefits of your solution.
- Titelbild
Upload a picture to be displayed on the landing page of the challenge.
- Kooperationspartner
If you are handing in a joint contribution with other companies, this is where you make sure they are represented with logos and names.
- Dateien & Infos
If necessary in addition to the descriptions above: add pdf-files (e.g. existing product brochures). But: Keep your contribution manageable for the jury.
- Vertrauliche Infos
If necessary, place a confidential information for the jury, the sponsor and moderator (e.g. indication of approximate price range). All other parts of the contribution will be public.

Please be aware of the fact, that a challenge is market research / market engagement prior to a possible procurement. The challenge will not decide upon a contract award nor will it lead to any unfair advantage in a tender. Please balance your time and effort.

Contact Information

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