

**Emerson Automation FCP Kft.
The Pneumobile of the Digital Future**



**Emerson's XIV. International
AVENTICS Pneumobile Competition**



Emerson's XIV. International AVENTICS Pneumobile Competition will be held online in 2021. In order to take full advantage of the new format, as part of the competition, we will be announcing a competition for the teams to show how to design the Pneumobile of the digital future, or even only one component of it. The aim of the competition is to get to know the innovative ideas of the teams, that is why there are only a few rules of the application.

APPLICATION DETAILS

Conditions for the vehicle / component presented in the tender:

- The vehicle complies with Chapters 1.1, 1.2, 1.3 and 1.4 of the Competition Rules
- The main propulsion of the vehicle must be carried out by means of compressed air energy
- Standard pneumatic components in the vehicle must be selected from Emerson's range
- The vehicle must be controlled by the Emerson PACSystem or IPC

All other requirements can be disregarded when creating the application, some examples of the solutions we expect:

- Unique pneumatic components
- Pneumatic motor of any design (use of pneumatic cylinder is NOT mandatory)
- Smart control, high diagnostic level
- Unique chassis, steering gear, etc





Format of the application:

- 1 PDF document without formal restrictions.
- There are no content restrictions (eg a piece of drawing or a complete design documentation is also considered an accepted application.)
- Deadline for submission: 02.05.2021.
- Please send the application to: pneumobil.aventics@emerson.com

The jury will award a special prize to the best entries.

We will try to incorporate as many of the ideas as possible into the next competitions.
Our goal is to create a prototype category in which completely unique solutions can compete with each other in the coming years.

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