

# SCHAUINSLAND 24H CHALLENGE

## RULES AND REGULATIONS

### // SCHEDULE //

#### 26.06.2020 at Green City Hotel Vauban

- 14:00 ecoGP core team briefing
- 18:00 Registration start
- 20:00 Dinner with the eco Grand Prix crew  
(optional / no registration possible)
- 21:00 Late registration
- 22:00 eco Grand Prix Schauinsland Briefing

#### 27.06.2020 at the Pit area (Parking Rathaus im Stühlinger)

- 09:00 Ramp up for exhibitors
- 09:00 ecoGP crew team briefing
- 10:00 Technical inspection start - Group 1
- 10:30 Late briefing (additional cost 25€ per person)
- 11:00 Technical inspection start - Group 2
- 12:00 Line up to qualification
- 12:30 Le Mans start qualification
- 13:30 Line up to start
- 14:00 eco Grand Prix start

#### 28.06.2020 at the Pit area (Parking Rathaus im Stühlinger)

- 14:00 eco Grand Prix finish
- 15:00 Award Ceremony near the race office
- 16:00 Ramp down for exhibitors
- 20:00 Dinner with the eco Grand Prix crew (optional)
- 21:00 Meeting for all confirmed 80edays teams and people interested to join
- 23:30 Estimated finish, but open end in case there are still questions to be clarified

## // HOW TO WIN //

This time, the challenge is to drive the maximum number of laps having only three triple chargers and 8 22kW Type2 chargers available, the actual situation of a good infrastructure in a city. To have a fair game the triple charger power will be reduced to 22kW.

Every car category will set its own record, so BMW i3 will compete vs BMW i3, eGolf vs eGolf and Kia Soul E vs Kia Soul E and so on. There is no actual record to be beaten so you are the first ones to set up the records of a 24h race at Schauinsland, a challenge no one did before.

As always, the easiest way to win is to check the participant list, take a car no one else is taking and come to the start. If your car is the only one, you will win in your category automatically, but you should consider making as many laps as possible, because you wouldn't like your record to be beaten easily next year. In case there is another car starting in your category, you should ensure that you can charge 22kW. If you don't have the appropriate adaptor with you, you should rent or buy one. And then, the thrill begins: perfect team strategy, flexible charge stop strategy, adapting to weather conditions, heating, cooling, which all amount to a lot of factors that can provide some laps more.

Cars start with 100% of their battery capacity. In the end, the sum of laps driven in 24h is counted. Deviations from the road book or driving at higher speeds than allowed will lead to stop times at the Penalty Point Park Zone (see following picture). Penalty points during the last hour are extreme; they lead to laps being subtracted from the total, instead. Cars running out of battery will get 2 laps

subtracted and have to find their own means to return to the pit lane. Cars are only allowed to be towed in case they are officially declared as car out of battery. Towing without clearance from the eco Grand Prix race control will lead to the loss of all driven laps.

This competition enters into the international eco Grand Prix Ranking so you will collect ecoGP points, which will be added to the total amount of collected points.

Thanks to the new systems we are using – a development of our partner TRON IT Consulting, which is renting this system also to other events – we will be able to track live the speed and to count the laps more precise, in a way that we can count uphill as one lap and downhill as a second lap. This way, we ensure that teams have to pass the line uphill because the system will work the way that if you cross the line uphill it won't count another lap till you cross the downhill line and then no downhill line till you cross the uphill one.

eco Grand Prix competitions will convince people to buy electric cars, showcasing the huge real range they can drive even in mountainous conditions, driven by amateurs. We expect all teams and drivers to respect this higher goal, helping each other to make the event an awesome one for everyone.

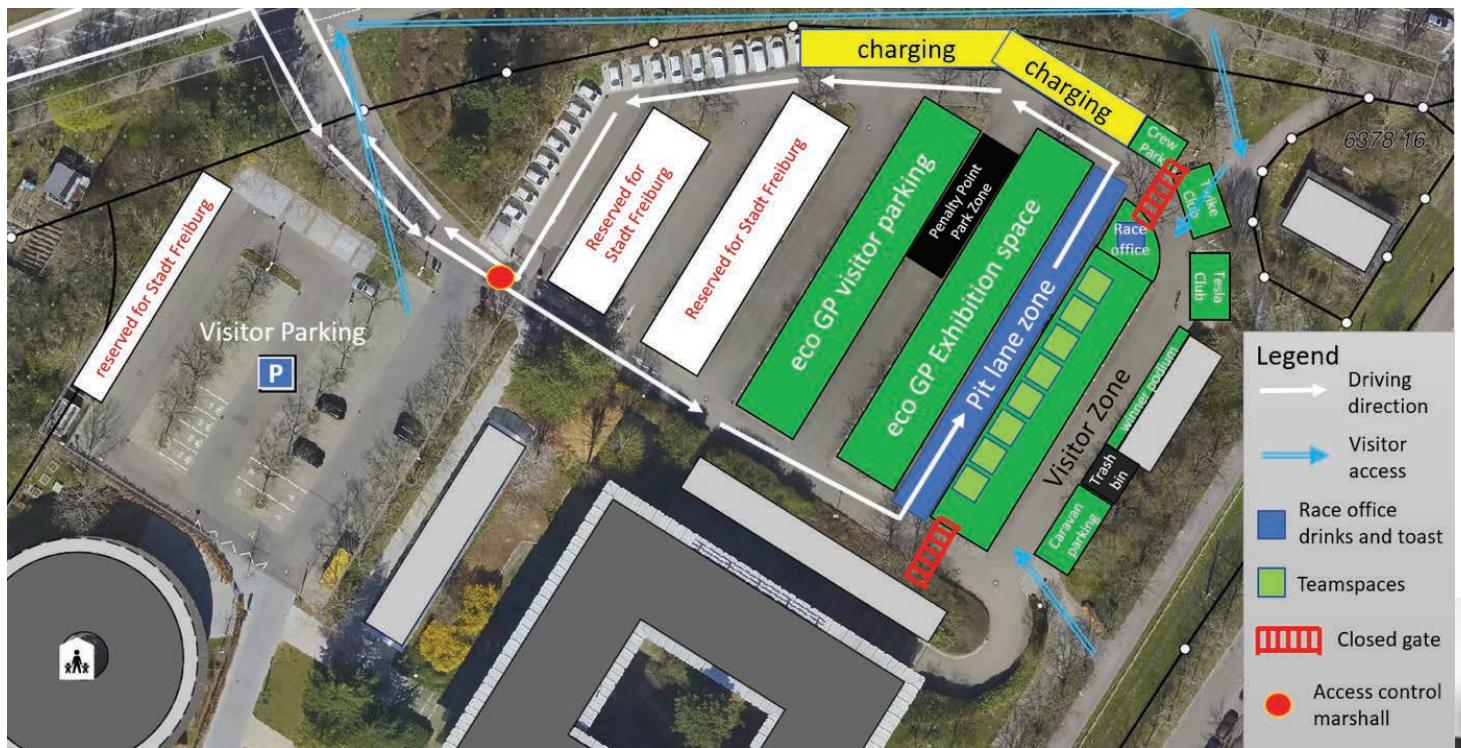
## // PARKING //

You will find the parking and pit area following the signs “**P** Rathaus im Stühlinger”.

Outside the pit area there is a Parking where all guests are allowed to park. In case you come before the start, with an 100% EV, latest 11:45, you may have luck getting one of the parking slots inside the pit area, but be aware that you won't be allowed to move your car between 12:00 and 14:30, due to preparations which are done during this time. The instructor in front of the gate will indicate where to park and won't let gas or hybrid cars enter. There will be one 22kW Type 2 emergency charge station available for guests that have to charge because of a totally empty battery.

We recommend all Teslas to charge their cars to 80% at the Superchargers nearby Freiburg, before coming. The only cars that are allowed to enter and stay are Caravans and Motorhomes of the teams. They will get an area where they can park, but you have to announce you are coming with such a vehicle so that we can reserve the appropriate space. Any gas car needed for mounting has to leave the area on 27.06.2020, before 12:00 and to park outside. They may not enter the pit area before 28.06.2020, 16:00. These rules are made for security purposes. Please follow these rules to respect the safety of guests, children and participants who will walk in the closed area during the event.

## // ACCESS //



The eco Grand Prix race office will be beside the pit lane. You will not be able enter the pit area with your car without being registered as a team. Anyone will be able to access the visitor zone, by foot, any time. The instructor at the gate will show you how to access it without crossing the pit lane. The entry for exhibitors, visitors, fans or team members is free.

Only registered drivers with special bracelets will be allowed to drive with the participant cars, only registered guests with special bracelets will be allowed to test drive cars.

Media should come to the race office to be registered and will get the link to the press material they can download.

It is strictly forbidden for anyone but the marshals to enter the pit lane or charging area, apart from the participating cars, even in the breaks or after the competition. During the competition no guest has the right to cross the indicated barriers. During the competition the maximum amount of people sitting in a competing car is four. Everyone has to be registered and wear an official ecoGP bracelet.

## // CHARGING //

Participant cars will get access to 3 (three) DC chargers where they can choose ChaDeMo or CCS plugs for charging their car. AC charging will be possible at 8 (eight) Type2 sockets. You should bring your Type2 cable, alternatively or you can buy a 5m three phase 22kW Type2 cable for 175€ at the race office.

Charging at DC will be restricted to 30 minutes maximum so that everyone will be able to charge. In case a queue is built, the places will be distributed following "first come, first served rule" having one single queue for all three chargers. You cannot reserve a queue place. Only the car waiting in the queue is allowed to charge.

Technical specialists will try to charge at an AC charger with the famous "Bettermann-Adapter" and a DC converter. It is not assured that this will work. If you try this it is at full risk for your team. In case the fuse is going off trying a DC charger, you won't be allowed to try another socket. In case you destroy a charger this way, you will have to pay for the damage or service technician that has to come to switch it on again.

No external heating or cooling system is allowed to be placed in the car during the whole competition. The rule is to be understood that no additional system, even battery powered, is allowed to be in the car. The only exception are power banks attached to video cameras or filming smartphones.

## // DRIVING //

Minimum three drivers of any team have to respect the resting rules.

Any one driver is allowed to drive a maximum of 4 hours. He then has to rest at least the amount of driven hours, before getting the clearance to start again. Every driver is allowed to drive maximum 8 hours in total. The hours include waiting time from registration until start. Before starting, you have to check in with your RFID and from this moment the time is counted automatically by the system on the side of the driver, until he is checking out. Drivers can be changed any time as often as wanted.

Not respecting rest times will be penalized with waiting time, subtraction of laps or disqualification

of the team, in extreme cases. You have to respect the traffic rules; speeding leads to penalties. The maximum speed allowed in the parking and pit area zone is 10km/h.

The integrated system will check the speed every two seconds and calculate automatically the penalty time. Not following penalties leads to harder penalties until disqualification. Speeding 10 seconds at same speed would mean five times the penalty points, speeding just 1 km means 1 min of waiting time so you have to think deeply about when to overtake and if overtaking is worth doing.

The active safety car (blinking yellow light) is not allowed to be overtaken in any case.

## // TECHNICAL INSPECTION //

Only 100%, not modified, standard electric cars are allowed to start. The inspection will be done by the "eco Grand Prix Pit Bulls", the members of the organization team paying attention to compliance with the rules. If required, the owner of the car has to give access to a Pit Bull to mount on the car lights, cameras or any other technical equipment needed to perform the competition, and test the charging. The cars have to be at the paddock on

27.06.2020, 10:00 latest. Cars who fail to be there in time risk to be disqualified. Car owners have to allow the Pit Bulls to put stickers from sponsors on the car of the participant. After the event, the owners can keep them or take them off themselves. Owners who do not allow access to the Pit Bulls to check or mount needed equipment won't get the clearance to start.

## // SCHEDULE OVERVIEW //

### 26.06.2020 at Green City Hotel Vauban

- 18:00 Registration start
- 20:00 Registration finish
- 21:00 Late registration
- 22:00 Participant Briefing

### 27.06.2020 at the Pit area (Parking Rathaus im Stühlinger)

- 10:00 Technical inspection start group 1
- 10:30 Late briefing (additional cost 25€ per person)
- 11:00 Technical inspection start group 2
- 12:00 Line up to qualification
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- 13:30 Line up to start
- 14:00 eco Grand Prix start

### 28.06.2020 at the Pit area (Parking Rathaus im Stühlinger)

- 14:00 eco Grand Prix finish
- 15:00 Award Ceremony near the race office
- 16:00 Finish of eco Grand Prix Schauinsland 2020

## // GENERAL //

In the briefing session, the participants will be trained by the ecoGP initiator, Rafael de Mestre, and will be able to ask questions. They will also get a presentation where the rules will be detailed. Some rules may change, depending on the weather and other conditions, so the final rules, written

and handed over on 26.06.2020, during the briefing, will be the agreed ones for all participants. With the participation of your team all team members agree to all cleared cars by the eco Grand Prix organisation to be valid competitors of the challenge.