



V8 SUPERCARS AUSTRALIA PTY LTD  
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## Invitation to Tender for Supercars Control Fuel System 2021-2025

### 1. Introduction

The governing body of Supercars Australia is seeking tenders for the exclusive supply of the control fuel system. The supply agreement shall commence in 2021 to facilitate the development of the sport's new racing platform and prototype, GEN3, to be raced at the commencement of 2022 Supercars championship season. The supply agreement is for a term of 5 years.

As part of the process, we are looking at various options which are listed in this document.

### 2. Timeline

- |   |                |
|---|----------------|
| a. Supercars issue RFQ                                      | Fri 11/09/2020 |
| b. All questions relating to RFQ sent to Supercars          | Fri 18/09/2020 |
| c. Final quotes received                                    | Fri 02/10/2020 |
| d. Selection date (SC may vary this date at its discretion) | Wed 21/10/2020 |

### 3. Technical Requirements

The fuel system must comply with the FIA regulations Article J of the international sporting code Article 277.

- a. Fuel Cell
  - i. Must comply with FIA regulations Article J of the international sporting code Article 257A-6.3.
  - ii. The fuel cell must be a rubber bladder conforming to or exceeding the specifications of FT3-1999 and must comply with the prescriptions of Article 253-14.
  - iii. The total capacity of the fuel cell is nominally 130 liters.
  - iv. The fuel cell must be ethanol compatible (E85 or more).
  - v. The dimensions and shape of the fuel cell must comply with the packaging space provided.
  - vi. Safety foam must be included to specification MIL-F87260.
- b. Fuel Supply
  - i. Must comply with FIA regulations Article J of the international sporting code Article 253-3.
  - ii. Fuel must be supplied to a collector pot by use of lift pumps to the manufacturer's specification.
  - iii. A fuel collector internal to the fuel cell must have a minimum volume of six liters.
  - iv. High pressure pumps housed within the fuel collector must be able to supply a minimum of 6 liters per minute at a pressure of 5 Bar.
  - v. Fuel filters must be included.



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- vi. A pressure relief valve system situated on the collector must be included at a 5 bar pressure at the fuel cell.
  - vii. A fuel level sensor is to be included measuring the fuel collector volume.
  - viii. An electrical harness is to be supplied to interface with the car loom.
- c. Fuel Delivery System
- i. Must comply with FIA regulations Article J of the international sporting code Article 252-9.5.
  - ii. The delivery coupling must be of symmetric installation to enable left- or right-hand fill.
  - iii. There must be provision for a restrictor to be placed in the fuel delivery line to fuel cell.
- d. Fuel Tank Housing
- i. Must comply with FIA regulations Article J of the international sporting code Article 257A-6.3.
  - ii. The lay-up of the fuel tank housing must be specified by the tenderer and provided in their reply.
  - iii. The dimensions, shape of the housing and mountings must comply with the engineering drawing. (CAD is available on request).

Any CAD queries should be directed to Vincent Dumarski, who can be contacted as set out in section 7 below.

#### 4. Commercial

- a. Current projections include a starting grid of 24 Supercars in 2022 however this number may change marginally depending on the total number of Racing Entitlement Contracts "RECs" issued prior to the commencement of the 2022 Supercars Championship. Additional supply requirements will be in accordance with demand.
- b. The tenderer can opt to tender for the fuel cell, fuel supply, fuel delivery system (3a + 3b + 3c) and/or the fuel tank housing (3d), however tendering for the whole control fuel system may be more attractive to Supercars. The tenderer may elect to tender to supply any one or more of the components and this will be considered by Supercars.
- c. Your tender must address each of the three (3) pricing options:  
Please provide your pricing options based on a delivery of 30 control fuel cell/fuel supply/fuel delivery system and/or fuel tank housing in June 2021.
  - i. Option 1
    - 1. Cost per unit including applicable taxes. Please include an itemized components list with prices including applicable taxes.  
*Supercars to incur costs for freight, duties etc. from port of origin and distribution to Teams.*



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ii. Option 2

1. Cost per unit including applicable taxes. Please include an itemized components list with prices including applicable taxes; *plus*
2. Import duties and other applicable charges; *plus*
3. Freight for delivery to Australia (Brisbane, Queensland) and then sent to Supercars warehouse (Gold Coast, Queensland).

*Supercars to incur distribution costs to each Teams across Australia.*

iii. Option 3

1. Cost per unit including applicable taxes. Please include an itemized components list with prices including applicable taxes; *plus*
2. Import duties and other applicable charges; *plus*
3. Freight and distribution costs to each of the Teams across Australia (See Appendix A for the location of each Teams).

- d. The supplier is not required to provide track support for race meetings and Supercars Test Days.
- e. The supplier must ensure that the availability of parts throughout the duration of the agreement will not directly impact Supercars' supply and/or cost.
- f. Prices quoted in year 1 remain fixed for the duration of the agreement
- g. Prices must be quoted in AUD. The foreign exchange risk will remain with the supplier.
- h. The successful control fuel cell/fuel supply/fuel delivery and/or control fuel tank housing supplier will contract directly with Supercars Australia and will be prohibited from entering into any arrangement or agreement with individual Supercars Teams.
- i. Prototype components sufficient for two (2) Supercars must be supplied to Supercars at its nominated address by no later than Monday, 4 January 2021. The supply and distribution of these prototype components will be at the cost of the supplier.

5. Control Fuel System Sign Off Test

- a. Track testing is required to sign off the part. If occurring outside a session organized by Supercars, the organization and cost is the responsibility of the control supplier.

6. Tender Document



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It is expected that each tender document, due for delivery on or before 02/10/2020, will include the following:

- a. Complete bill of material, including component weights, defining all components to support the function of the control fuel vessel and/or fuel tank housing and a CAD file in STEP format.
- b. Approach of the engineering phase, if required, and detailed timing plan including the sign off testing.
- c. The warranty terms and conditions that will apply to the control fuel vessel and fuel tank housing detailing limits for all relevant parameters.
- d. As much as is possible, details of any projects the potential supplier/manufacturer has delivered or is delivering which relate to the technical or operational aspects of this projects. For each project, the role of the supplier/manufacturer should be detailed and with whom the contract exists or existed.

#### 7. Delivery point

All tenders should be delivered (either by post, e-mail) to:

Mr. Vincent Dumarski  
Technical Projects Manager  
Supercars Australia Pty Ltd  
45 Nerang Street  
Southport, Qld 4215

E-mail: [vdumarski@supercars.com](mailto:vdumarski@supercars.com)

#### 8. Final Note

The selection of the winning bidder will be at Supercars' complete discretion. Additionally, there is no guarantee that a bidder will be successful.

#### Appendix A

Brisbane & GC Area: 3 Teams (6 Cars)  
Melbourne: 6 Teams (14 Cars)  
Albury: 1 Team (4 Cars)  
Sydney: 1 Team (2 Cars)