Position Description
Data Acquisition Engineer

2017
Position Description
Data Acquisition Engineer

1 Job Overview
The Data Acquisition Engineer is responsible for the acquisition and implementation of sensors capable of gathering all data relevant to the dynamic performance of both the 2018 Combustion and Electric car. If successful in this role, you will work closely within the Low Voltage Systems Sub-team to create an electronic system and loom for both vehicles.
This position has a high time commitment.

2 Duties
- Assist with the design and implementation of the non-tractive electrical systems on both 2018 vehicles, with the specific intention of gathering vehicle performance data,
- Log and report all gathered data,
- Ensuring rules compliance for all designs,
- Attendance at the 2018 F-SAE Australiasian competition,
- Attendance at weekly MUR meetings,
- Attendance at MUR trackdays,
- Take part in MUR design reviews,
- Submit all work to meet agreed upon team deadlines,
- Document progress, for addition to the MUR library,
- Undertake one manufacturing specialty;
  - CNC Machining,
  - Welding,
  - Composites.
- In all work, do the MUR brand proud.

3 Skills and Competencies
In order to succeed in this position, you will need to learn the following skills. You do not need to show competency when applying, just intent to learn.
- Computer Aided Design (CAD) - Fusion 360,
- Knowledge of vibration simulation, analysis and control,
- Circuit design and construction, including soldering,
- Strong time management and organizational skills,
- Strong communication skills,
- Ability to work within a team,
- Knowledge of creative design procedures,
- Ability to commit to team goals and deadlines.
4 Colleague Connections

<table>
<thead>
<tr>
<th>Direct Report</th>
<th>Chief Electrical Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lead Low Voltage Systems Engineer</td>
</tr>
<tr>
<td>Direct Upstream</td>
<td>Driver</td>
</tr>
<tr>
<td>Direct Downstream</td>
<td>Lead Suspension Engineer</td>
</tr>
<tr>
<td>Direct Relations</td>
<td>Vehicle Dynamicist</td>
</tr>
<tr>
<td></td>
<td>Low Voltage Systems Engineers</td>
</tr>
</tbody>
</table>