**Spec Sheet**

**ROV Name:** Sentinel

**Cost**

RMB 14083.65

<table>
<thead>
<tr>
<th>Consumables</th>
<th>Electronics</th>
<th>Hardware</th>
<th>Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>4%</td>
<td>51%</td>
<td>41%</td>
<td>4%</td>
</tr>
</tbody>
</table>

**Safety features**

- Two fuses are used in ground control
- All propellers are properly shrouded
- Wires are waterproof and securely fastened with ROV
- No sharp edges on the body of ROV
- Exposed bolts are covered with hot melt adhesive

**Special features**

- The weight is light
- A robotic arm which can rotate and grasp things
- Four propellers providing all necessary degrees of freedom
- A camera which can rotate
- An autopilot for remote control

**School Name:** Beijing National Day School

**Company Name:** DeepDive BNDS

**Region:** Beijing, China

**Distance to Tennessee:** 11220 km

**Experience:**

- The second year participating MATE ROV

**Total Hours:**

- CEO, CTO, Mechanical Department Leader: 1000 hours from each
- The rest of the team: 800 hours from each

**School Name:**

- Beijing National Day School

**Company Name:**

- DeepDive BNDS

**Region:**

- Beijing, China

**Distance to Tennessee:** 11220 km

**Experience:**

- The second year participating MATE ROV

**Total Hours:**

- CEO, CTO, Mechanical Department Leader: 1000 hours from each
- The rest of the team: 800 hours from each

**Name** | **Grade** | **Position** | **Member Status**
---|---|---|---
Chi Gao | 12 | Chief Executive Officer | Returning
Yalu Ouyang | 11 | Chief Operating Officer | New
Yixuan Zhang | 11 | Mechanical Department Leader | Returning
Jinyu Yang | 11 | Programming Department Leader | New
Jinyi Sun | 11 | Programming Department | New
Junqiao Yuan | 11 | Programming Department | New
Pengyu Mo | 11 | Electrical Department | New
Qianyi Liu | 11 | Safety Supervisor | New
Fangshi Du | 10 | Control System Leader | Returning
Jingcheng Yu | 10 | Electrical Department Leader | New
Yifei Li | 10 | Control System Department | New
Shengjing Zheng | 8 | Chief Financial Officer | New
Xichen Liu | 7 | Mechanical Department | New
Borong Pan | 7 | Mechanical Department | New