Company Specifications
- Company Name - Blue Toon ROVers
- School – Peterhead Academy
  Aberdeenshire

- History of MATE ROV Competition
  Peterhead Academy has now competed in the MATE ROV Competition twice – once in 2011 and last year (2014). In last year’s competition the team placed 4th overall, with team members who had no prior experience in the competition.

Back Row: Ian Buchan (Tooling), Daniel Mehigan (Tooling),
  Ewan Marr (Structure), Aaron Reid (Marketing),
  Kieran Ritchie (Structure)

Front Row: Sean Whyte (Structure), Stuart Hope (Marketing),
  Lauren Godfrey (Tooling), Jamie Fenty (CEO/Marketing) &
  Callum Christie (Structure)

Returning Members from 2014 Team: - Callum Christie
  - Jamie Fenty

- Range of Grades Amongst Team Members
  Our team members range across S4-S6, therefore there is a variety of potential grades amongst the team – these include National 5’s, Highers and Advanced Highers. All team members either have sat or are currently sitting Engineering Science / Technological Studies along with other related subjects such as Maths and Physics.

ROV Specifications
- ROV Name – ROV Njord

- Total Cost - £444.50 plus donated/reused items = £851.78
  ($635.36) ($1328.78)

- Dimensions (mm) – L.450 x B.400 x H.250  Frame – 21.5mm Ø PVC pipe

- Safety Features
  - 25A fuse fitted to main power connection as per MATE regulations
  - All electrical components have been secured in a waterproofed container.
  - Each of the bilge pumps is fitted to stay within the frame of the ROV.
  - Also all pipes and fittings have been secured using non-corrosive materials.
  - All propellers have been shrouded to protect the blades from becoming tangled in anything.
  - All metals edges have been filed down to eliminate any potentially sharp edges.
  - Each item that could potentially cause harm/risk has been labeled with a warning label.

- Special Features
  - Several tools specifically designed to carry out certain missions including;
    - Motorised (servo-motors) Manipulator
    - Measuring Device
    - Water Pump
    - 800 Gph, 750gph and 500 Gph Bilge Pumps
    - 6 Underwater Cameras
    - Complex control system of bi-directional motor controllers, controlled by joysticks.