



Riverstone Blue Whale II

MATE ROV Competition 2018

Nanjing Institute of Technology

Feature Introduction

Safety Features

- Anti-corrosion Treatment --Film Coated on Surface
- Temperature and Humidity Sensor in Electronic Housing
- Thruster Shrouds
- Safety Caution Labels

Special Features

- Thrust System with 8 Propellers
- Human-oriented Interactive Interface
- Customized External Devices
- Swift-change Manipulators
- Waterproof & Dustproof
- Surface Treatment of Ceramic Membrane

- Three Alternative Movement Modes: Manual, Automatic Stability and Depth Holding

Product Properties

- Weight Onshore: 15.77 kg
Weight Underwater: 0.2 kg
- Size: 48 cm * 40 cm
- Height: 30 cm
- Cruising Speed: 1.80m/s
- Maximum Speed: 2.4 m/s
- Maximum Underwater Load: 2 kg

Others

- Total Cost: ¥50,000
- Total Worktime: 456 hours



Company Employees

Chen Guijiang CEO Year 3
 Wu Feng* CTO Year 3
 Guo Runzhou* CMO Year 4
 Zhou Shi-ting CFO Year 4
 Zhang Jianpeng Electronics Leader Year 3
 Kang Jianwei* Manufacturing Leader Year 3
 Yang Chengbin Software Leader Year 2
 Jiang Yuwei Public Relations Leader Year 3
 Zhai Shuaishuai Pilot Year 2
 Chen Zhe Pilot Year 1

Lei Jingwen Product Manager Year 3
 Xia Jingyan Safety Manager Year 2
 Wang Xu Design Engineer Year 4
 Shao Minghai Electrical Engineer Year 3
 Li Xiangyu Electrical Engineer Year 2
 Lu Changwen Electrical Engineer Year 2
 Zhang Jun Mechanical Engineer Year 3
 Zhang Hongli Mechanical Engineer Year 2
 Cheng Liming Mechanical Engineer Year 3
 Ji Xiaofeng Mechanical Engineer Year 3

Ma Peili Software Developer Year 3
 Yu Senze Software Developer Year 2
 Zhuang Qianhui Software Developer Year 2
 Zhu Yong Software Developer Year 2
 He Chenyu Software Developer Year 2
 Han Kun Graphic Designer Year 3
 Wu Heng Editor Year 3
 Hu Yuxiang Purchaser Year 3
 He Peiyuan Property Manager Year 3
 Mao Hanxiao Accountant Year 2

*Returning (all other members are new)

Company Information

Name: Riverstone School: Nanjing Institute of Technology Address: Nanjing, Jiangsu Province, China
 Distance Travelled: 10,000km Company History: 6-year Participation
 Education: Undergraduate