

## POSITION DESCRIPTION

Date Approved: 04/05/2011

<b>Job Title:</b> Lead Systems Engineer	<b>Status:</b> <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Non-exempt
<b>Job Number:</b>	<b>SBU:</b> Integrated Systems & Services
<b>Reports to:</b> General Manager	
<b>Job Hours:</b> Monday – Friday; 8:00am to 5:00 pm	

**Primary Function:** Serves as the lead systems engineer for Integrated Systems & Services. Will provide direction and technical leadership to the engineering staff, drive implementation of new technologies, define product specifications, and be responsible for firmware development.

### Major Responsibilities:

1. Direct the activities of the ISS systems engineering team in creating world-class environmental monitoring platforms
2. Provide direction and oversight of NPI activities, manufacturing engineering, design, and firmware development
3. Manage and direct research & development activities which lead to improved products and/or processes, increased output, and reduced costs
4. Conduct research and evaluate: new sensors, communications, and data collection technologies
5. Review and approve Engineering related deliverables
6. Oversee installation and commissioning of environmental monitoring systems
7. Develop and document monitoring systems for remote integration centers

### Qualifications:

1. BSEE, BSME or equivalent engineering degree from an accredited 4-year engineering program
2. 10+ years relevant work experience
3. Experience with oceanographic instrumentation and data collection platforms
4. Excellent project management skills
5. Must have strong experience with wireless data communication protocols including cellular, radio, satellite, ZigBee, and Bluetooth technologies

### Other Requirements:

1. A self starter with the ability to work with minimal direction
2. Strong leadership skills, ability to manage a diverse group of technical specialists
3. Strong verbal and written communication skills. Technical report writing skills are a must.
4. Working knowledge of all MS Office applications including Project
5. Must have experience with environmental monitoring systems and sensors
6. Experience working with a variety of water quality & meteorological sensors, equipment, and communication protocols including: sondes, dataloggers, MET sensors, SCADA, MODBUS, ADCP's, anemometers, auto samplers
7. Experience building autonomous solar powered systems for remote monitoring
8. Programming skills a plus

### Attendance Requirements:

Monday through Friday – overtime as required

**Other Requirements:** Comfortable working on and near the water. Travel required up to 25%.