

<b>Effective Date:</b> 07/27/2010	<b>Job Description</b>		<b>Update:</b> <b>02/15/2019</b>
<b>POSITION TITLE</b>	Automation Engineer	<b>POSITION GRADE</b>	3 Stripes
<b>MANAGER'S TITLE</b>	Chief Electrical	<b>DEPARTMENT/DIV</b>	Engine

### POSITION SUMMARY

The Automation Engineer is responsible for the maintenance of all electrical equipment and systems as directed by the Chief Electrical Engineer to ensure safe operation, environmental protection and passenger comfort

In order to consistently exceed guest expectations and provide the highest levels of product and services, additional duties and responsibilities may be assigned as needed.

### ESSENTIAL FUNCTIONS

- Responsible for the maintenance and repair of electrical systems onboard as directed by the Chief Electrical Engineer.
- Main areas of responsibilities are the maintenance and repair of:
  - Generators
  - Main Switchboard
  - Machinery Automation Control and Monitoring System
  - Electrical Propulsion
  - Maneuvering Control System
- Must be able to efficiently maintain electrical equipment and not use unnecessary spare parts.
- Must be able to efficiently troubleshoot and solve electrical problems.
- To be familiar with the Chief Electrical Engineer's duties and responsible and be prepared to be in charge of the Electrical Department without advance notice.
- Must have a good knowledge of all electrical systems onboard.
- Responsible for reporting any concerns with the electrical systems to the Chief Electrical Engineer.
- Must have initiative, be proficient in electrical trouble shooting, solve electrical problems and work independently.
- May be part of an on-call duty system on a rotational basis.
- Never work alone in areas where there is any risk of electrical shock or injury.
- Must be familiar with the safety routines and ensure that the necessary safeguards are in place before any maintenance/repair work commences.

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<ul style="list-style-type: none"> <li>• Assumes the Chief Electrical Engineer's duties in his absence.</li> <li>• Accountable for the correct functions of the Power Plant, Automation, Control and Machinery Safety systems.</li> <li>• Assumes all duties deemed necessary by the Chief Electrical Engineer.</li> <li>• Must be familiar with the Safety Management System including applicable responsibilities in the Safety Organization according to the Emergency Plan and Station Bill. Performs other related duties as assigned or as directed. The omission of specific duties does not preclude the supervisor from assigning duties that are logically related to the position.</li> <li>• Must be familiar with the Safety and Environmental Protection Policy and the SMS, and carry out the policies and procedures appropriate for his/her position.</li> </ul>		

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**QUALIFICATIONS, EDUCATION AND ATTRIBUTES**

**QUALIFICATIONS**

- Minimum of three (3) years experience repairing and maintaining marine automation systems is required.
- Intermediate to Advanced level English verbal and writing skills, including the proper use of English grammar is required.
- Basic to Intermediate knowledge of electronic equipment and systems is required.
- Intermediate to Advanced level of proficiency in electronic trouble shooting and solving electronic problems is required.
- The incumbent must be able to work in a multi-cultural environment; also, must be able to adjust to changes in schedules, assignments and deadlines.

**EDUCATION**

- Highschool diploma or foreign equivalent is required.
- Bachelor's Degree or Technical Diploma from an accredited Maritime Academy or equivalent is preferred.
- Position-specific STCW training from an accredited educational institution is required.

**ATTRIBUTES**

- Passionate about hospitality and customer service driven
- Must have a professional appearance and good hygiene
- Respect for all co-workers and guests
- Pride in your work by creating positive energy, excitement and fun
- Able to work 7 days a week
- Demonstrate positive behaviors; smiling, being polite and courteous
- Able to develop a camaraderie with team members
- Ability to live in close quarters, share limited space with other cabin-mates

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**PHYSICAL REQUIREMENTS**

**NCL America :**

The U.S. Coast Guard (USCG) requires all crew members employed with NCL America aboard the Pride of America to hold a Merchant Mariner Credential (MMC). In order to qualify for a MMC, applicants must demonstrate specific physical abilities necessary to perform shipboard duties per USCG guidelines (COMPDTPUB 16700.4 NVIC 04-8). Shall have a Body Mass Index (BMI) of 40.0 or less. Blood Pressure as per USCG a maximum 160/100.

**NCLH International Flag:**

In addition to the above, NCLH requires the following for all crew members for all international flagged ships:

Shall have a Body Mass Index (BMI) of 35.0 or less. Blood Pressure as per USCG a maximum 140/90.

The verifying medical practitioner doubts the applicant’s ability to successfully perform any of the following functions, a suitable practical demonstration is required for those functions. The verifying medical practitioner, in consultation with any other qualified practitioners he/she deems appropriate, determines whether a practical demonstration is necessary, and whether the applicant is physically competent or not physically competent.

General Movement:

- Is able to maintain a sense of balance without disturbance while walking and standing.
- Is able to climb up and down vertical ladders and stairways.
- Is able to step over a door sill or coming up to 24 inches in height.
- Is able to move through a restricted opening of 24 inches by 24 inches.
- Is able to open and close watertight doors that weigh up to 55 pounds. Must be able to move hands/arms in vertical and horizontal directions, rotate wrists and reach above shoulder height to turn handles.
- Is able to repeatedly lift at least a 55 pound load off the ground, and to carry, push or pull the same load over a long distance (minimum of 150 feet) and up/down multiple staircases over a four hour period.
- Is able to pull an un-charged 1.5 inch diameter, 50’ fire hose with nozzle to full extension, and to lift a charged 1.5 inch diameter fire hose to firefighting position.
- Is physically able to put on a Personal Flotation Device (PFD) without assistance from another individual.
- Is capable of normal conversation in English.
- Is able to intermittently stand on feet for up to four hours with minimal rest periods.
- Must have no physical limitations that would hinder or prevent the performance of duties.
- Must have no limitation of motion.

Senses:

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- Is able to react to visual alarms and instructions.
- Is able to react to audible alarms and instructions.
- Vision: Ability to adjust focus, depth perception, peripheral vision. Distance vision and close vision must be in accordance to ILO: Vision required for ship's navigation (e.g. chart and nautical publication reference, use of bridge instrumentation and equipment, and identification of aids to navigation) Normal Vision required to perform all necessary functions in darkness without compromise Color perception must be intact for Deck/Engine Watch standing officers. Vision required reading instruments in close proximity, to operate equipment, and to identify systems/components as Necessary. Normal Vision required performing all necessary functions in darkness without compromise.

Upper Body:

- Is able to move their shoulders, elbows & wrists (without disease, injury): bending, extending, move their arms away from the midline of the body, rotating.
- Is able to grasp and manipulate common tools such as wrenches, hammers, screwdrivers and pliers.
- Is able to crouch, kneel and crawl.
- Is able to distinguish differences in texture and temperature by feel.
- Is able to elevate their shoulder joint forward and move his arms away from the midline of the body
- Is able to flex their elbow joint and extend his arm completely.
- Is able to move their wrist completely and able to sustain weights of 55 pounds.
- Is able to move their hand up and down 45 degrees / completely.
- Is able to clench fist, pick up a pin, grasp an object or touch tips of at least 3 fingers with thumb.
- Has distal phalanx of either thumb, distal and middle phalanx of an index, middle, or ring finger of either hand, irrespective of the absence or loss of little finger.
- Do not have Scars and deformities of the fingers or hand that are symptomatic or that impair normal function to such a degree as to interfere with the satisfactory performance of sea duty
- Must not have intrinsic paralysis or weakness, including nerve palsy sufficient to produce physical findings in the hand such as muscle atrophy or weakness.

Lower Body:

- Is able to move their hips, knees & ankles (without disease, injury): bending, extending, move their legs away from the midline of the body, rotating.
- Must not have Planter fasciitis.
- Must not have loose or foreign bodies within the knee joint.
- Must not have physical findings of an unstable or internally deranged joint.
- Must not have history of uncorrected anterior or posterior cruciate ligament injury.
- Must not have surgical correction of any knee ligaments if symptomatic or unstable.



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<ul style="list-style-type: none"><li>• Must not have history of congenital dislocation of the hip, osteochondritis of the hip (Legg-Perthes disease), or slipped femoral epiphysis of the hip.</li><li>• Must not have hip dislocation within 2 years before joining the ship.</li></ul> <p><b>Work Environment &amp; Physical Demands</b></p> <p>The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions for this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.</p> <p>While performing the duties of this job the employee is regularly required to meet the above physical and health requirements.</p>		

- **This is a minimal description of duties. Other work requirements may be necessary and assigned as business or maritime law dictates.**