



Critical features of this job are described under the headings below. Beacon Industries, Inc. reserves the right to assign or reassign duties and responsibilities to or from this job at any time.

<b>Job Title:</b>	Simulation Engineer
<b>Department:</b>	Engineering
<b>Division:</b>	Aerospace

#### About Us:

We are a U.S.-based aerospace and defense manufacturer specializing in niche component design. Our team supports mission-critical projects with precision engineering and innovation.

#### Job Summary:

We are looking for a Simulation Engineer to design, develop, and test electronic systems for aerospace and defense applications.

#### Key Responsibilities:

Have familiarity with any of the following: tools like MATLAB, KiCad, PSpice, Xilinx Vivado, LTSpice, Altium, Ansys (HFSS, Icepack, Lumerical, Interconnect), COMSOL, and Optisystem

Design and develop electronic circuits and systems for aerospace/defense equipment

Work with cross-functional teams (mechanical, systems, manufacturing)

Support testing, troubleshooting, and validation of electronic components

Ensure compliance with industry and military standards

## PHYSICAL DEMANDS OF THE JOB:

**N (Not Applicable)** Activity is not applicable to this position

**O (Occasionally)** Position requires this activity up to 33% of the time (0 - 2.5+ hours per day)

**F (Frequently)** Position requires this activity up to 33% to 66% of the time (0-2.5+ hours per day)

**C (Constantly)** Position requires this activity up to 33% to 66% of the time (0 - 2.5+ hours per day)

### Physical Demand

### Lift/Carry

Stand

4.5 kg or less

Walk

05-07 Kg

Sit

07-09 Kg

Manually Manipulate

09-12 Kg

Grasp

Over 12 Kg

Reach Outward

Read

### Push/Pull

Reach above shoulder

5 kg or less

Climb

10-25 kg

Crawl

25-30 Kg

Squat or Kneel

30-50 Kg

Bend

### Other Physical Requirement

Vision (Near) Sense of Sound – Hear and Respond

Travelling to Vendor, Training Centre as per requirement