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Success Profile Pack

Neumann Space

Electronics Design Engineer

Your Recruitment Specialist: Wendy Donovan

wendyd@peoplefusion.com.au

02 4927 2015 or 0407 525 949



Position Description

JOB SUMMARY

We seek a passionate, talented and practical Electronics Design Engineer to join our dynamic engineering team. You will work with a multidisciplinary team of engineers to design and develop electronic hardware solutions for the Neumann Space propulsion system and for integrating the system into our customer's satellite buses.

The ideal candidate will have an aerospace and/or defence background with a very well-rounded knowledge of designing, from the ground up, complex analogue and digital electronics systems. Experience in switch-mode power supply design, modern energy storage, STM microcontrollers and EMC compliance is also desirable.

We have a modern approach to engineering and use the latest technologies across our engineering team. Through the role, you will understand how to design and develop electronics for space applications and get to see your designs fly in Space on National and International satellite buses.

RESPONSIBILITIES AND DUTIES

- Working in a collaborative team to design, develop and test the electronic systems for our CubeSat and SmallSat versions of the propulsion system hardware.
- Research, development, design, and testing power conversion, energy storage, communication, and processing hardware.
- Evaluation and test of satellite bus communications interface hardware
- Development of hardware, firmware, and scripting to support unit and spacecraft testing.
- Design and develop electrical test equipment to support the thruster test program
- Electronics integration and testing.
- Schematic and PCB design of electronics hardware.
- Documentation of electronics designs, including drawings, system design, and analysis documents.

QUALIFICATIONS AND SKILLS - ESSENTIAL

We are seeking talented and motivated electronics engineers who have:

- An interest and passion for electronic design and the space industry.
- Demonstrated five years of electronic design experience, including experience with power supply design and energy storage
- A degree in Electronics Engineering, Mechatronics and or equivalent field.
- Interpersonal skills and emotional intelligence that supports working in a small and agile company with other highly focussed, intelligent people.
- Electronics design skills including system design, schematic capture, multi-layer PCB layout, electronics bring up and test.
- High proficiency in Altium and or KiCad.
- Practical technical skills (prototyping, troubleshooting, integrating, soldering etc.)
- Understanding of embedded firmware development.
- Must be Australian citizens or have lived in Australia for ten years and be eligible for Australian citizenship.

SKILLS AND KNOWLEDGE – DESIRABLE

- Prior experience in the space industry, aviation, or defence environment.
- Experience developing pulsed power supplies.
- Experience in writing and running test procedures.
- Experience working with manufacturers in the assembly of low-volume, high-reliability circuit boards.
- Experience with electronics in extreme environments, especially vacuum.

REPORTING RELATIONSHIPS AND KEY STAKEHOLDERS

This position reports to the Engineering Program Manager

The role will work closely with our:

- Multidisciplinary engineering team and
- Customers and
- Suppliers

Australian Citizenship and COVID vaccination are requirements of the position.

How To Apply

Cover letter tips

- Describe why you are interested in this role.
- Summarise your electronics design experience.

How to apply

If you are keen on this opportunity please contact Wendy Donovan via wendyd@peoplefusion.com.au or 02 4927 2015, for a confidential discussion.

Please note we will be interviewing suitable candidates as soon as possible.

About peoplefusion

Our expert team live and breathe recruitment and are committed to taking you from credible to incredible.

We provide transparency into roles, we won't send you in blind for interviews, we will give you feedback, and we'll support you after your appointment.

Our services include permanent recruitment, temporary and contract recruitment, executive search, outplacement, talent and retention, and career coaching.

Locked and loaded

We show up as though every day is a Grand Final

We've got this

We do as we say with confidence and integrity

Have the conversation

We speak authentically and never mind read

Grow and glow

We challenge ourselves and have fun doing it

Make it count

We aim for every action to add value

Our specialisations

Executive Search

Accounting & Finance

Legal & Governance

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Information Technology

Engineering & Projects

Supply Chain

Administration & Accounts

Contact Centre & Customer Service

Sales

We know recruitment. Experience peoplefusion.

At peoplefusion we don't just accept diversity and inclusion —we celebrate it! We strive to create an environment of equal opportunity regardless of race, gender, sexual orientation, gender identity or expression, lifestyle, age, religion or physical ability, and welcome applications from people from all backgrounds. We always welcome individuals to contact us if they require any assistance during the application process when applying for jobs with peoplefusion.

Your Recruitment Specialist

WENDY DONOVAN 15 years experience

Wendy has a wealth of experience providing HR solutions for small to large business across the finance, banking, medical and science, media and manufacturing industries, and successfully grew her own franchise training business.

Wendy's earlier career across medical research and science mean her search and discovery abilities are second to none. This approach has seen her successfully partner with the likes of ARTC, City of Newcastle, HMRI and Newcastle Airport to recruit a range of corporate roles.

Wendy holds an MBA (Marketing & Economics), a Bachelor of Science (First Class Honours), and is an Associate of the RCSA.



As a member of the Recruitment, Consulting and Staffing Association of Australia & NZ (RCSA), peoplefusion are committed to the Code of Professional Conduct and observe high standards of honesty, equity, integrity, and social and corporate responsibility. All of our Recruitment Specialists are accredited by the RCSA.