

Principal Overhead Wiring (OHW) Design Engineer

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Company: AECOM

Location: Melbourne

Category: Other-General

****Company Description**** We will give you the flexibility you need to do your best work with hybrid work options. Whether you're working from an AECOM office, remote location or at a client site, you will be working in a dynamic environment where your integrity, entrepreneurial spirit and pioneering mindset are championed.

You will help us foster a culture of equity, diversity and inclusion – a safe and respectful workplace, where we invite everyone to bring their whole selves to work using their unique talents, backgrounds and expertise to create transformational outcomes for our clients. We will encourage you to grow and develop your career with us through our technical and professional development programs and diverse career opportunities.

We believe in leadership at all levels. No matter where you sit in the organization you can make a lasting impact on the projects you work on, the teams and committees you join and our business.

We offer competitive pay and benefits, well-being programs to support you and your family, and the development resources you need to advance your career. When you join us, you will connect and collaborate with a global network of experts – planners, designers, engineers, scientists, consultants, program and construction managers – leading the change toward a more sustainable and equitable future.

Join us and let's get started. As an Equal Opportunity Employer, we believe in each person's potential, and we'll help you reach yours.

****Job Description**** AECOM is looking for a Principal Overhead Wiring (OHW) Design Engineer to join our Melbourne Rail team. This is an exciting time to join our organisation and work on major projects in Victoria and Australia wide! This position requires the candidate to be involved in OHW designs from feasibility, through concept, reference, detail design and ultimately commissioning and handover to the Client.

The candidate will be required to have the necessary skills for doing design, checking and mentoring of more junior engineers, as well as demonstrating leadership on specific projects and being a Team player. Layout plan design, OHW sectioning, cross section design, switching design, allocation design and providing technical support to construction teams are some of the skills and qualities that will be required.

We are looking for a Principal level or an experienced Senior working towards Principal level, to support an established team in the OHW market and to be part of a great OHW Team. Knowledge of different OHW systems, such as 25kV AC, 1500V DC, Heavy Rail & Light Rail is essential and international experience would be an advantage but not a pre-requisite.

****Qualifications**** ****Ideally you will have:**** + Demonstrate knowledge and implementation of OHW designs, with a track record of having worked on multiple OHW projects. + Demonstrate delivery of electrification projects on time and to budget.

As a Principal level, have a proven track record of direct management of OHW projects and staff within a multi-disciplinary, major project environment with minimal supervision. + Appreciate Earthing & Bonding and the Interaction of OHW with other disciplines in a rail environment such as Signalling, Track & Civil, Geotech, Structures, CSR, Civils and Traction Power.

+ Have an appreciation of BIM / Digital Engineering techniques and have a proactive approach to bringing innovation into the industry. Understand the importance of Quality

Assurance and Safety in Design and have a proven track record of delivering designs from both a technical and safety perspective.

+ Be recognised in the industry as a competent O&H Engineer, preferably with MTM competency for design and checking.+ Have a thorough understanding of O&H technical theory used in design.

Be a Team player who is willing to guide and mentor junior members of the team and support the management team. + Have an innovative approach to solving problems in a rail environment.

****Preferred Qualifications:****+ Be a Chartered Professional Engineer or working towards CPEng. AECOM is a place where you can maximize your innovative thinking and collaborate with a diverse range of highly intelligent and talented people.

It's a place where you can apply your skills to some of the world's most challenging, transformational, and iconic projects.We're an Equal Opportunity Employer and we've committed to creating a culture that embraces flexibility for all team members.

We provide a diverse and inclusive work environment and offer many benefits to ensure your professional development & wellbeing.Flexible start and finish times, working from home, part-time and job share optionsWorking from Home Tool Kits + Mobile PhoneState of the art, modern and contemporary officesPaid Parental and Partner LeavePurchased additional annual leave + salary packagingCorporate Employee discounts from up to 400 retailersWellbeing benefits e.

g., vaccinations, health insurance discountsEmployee stock purchase plansProfessional memberships re-imbursedProfessional and technical development opportunities.

Global opportunities in one of the world's best engineering consultancies. ****Additional Information**** ******Here, you will have freedom to grow in a world of opportunity.

****** We will give you the flexibility you need to do your best work. Whether you're working from

an AECOM office, remote location or at a client site, you will be working in a dynamic environment where your integrity, entrepreneurial spirit and pioneering mindset are championed.

With infrastructure investment accelerating worldwide, our services are in great demand, and there's never been a better time to be at AECOM! Join us, and you'll get all the benefits of being a part of a global, publicly traded firm – access to industry-leading technology and thinking and transformational work with big impact and work flexibility. We will encourage you to grow and develop your career with us through our technical and professional development programs and diverse career opportunities.

We believe in leadership at all levels. No matter where you sit in the organization you can make a lasting impact on the projects you work on, the teams and committees you join and our business.

AECOM provides a wide array of compensation and benefits programs to meet the diverse needs of our employees and their families. We also provide a robust global well-being program.

We're the world's trusted global infrastructure firm, and we're in this together – your growth and success are ours too. As an Equal Opportunity Employer, we believe in each person's potential, and we'll help you reach yours.

Join us and let's get started. ****ReqID:** J10048810** ****Business Line:** Transportation**
****Business Group:** DCS** ****Strategic Business Unit:** ANZ**

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