

## Principal Coastal Modelling Lead Jobs In Dubai | Jacobs

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Company: Jacobs

Location: dubai

Category: other-general

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Principal Coastal Modelling Lead–(MID00027F)Your Impact:

Our People & Places Solutions business – reinforces our drive to improve the lives of people everywhere and epitomizes the “why” of what we do – the tremendous positive impact and value our solutions bring to our communities and society as a whole. Start your Jacobs career with a company that inspires and empowers you to deliver your best work so you can evolve, grow, and succeed – today and into tomorrow.

At Jacobs, we push the limits of what’s possible to make the world smarter and more connected. As part of our on-going collaboration with key clients throughout the Middle East and our ambitious growth plans, our Ports & Maritime team is expanding, and we welcome the opportunity to add further talent to Jacobs.

As a Principal Coastal Modelling Lead, you will be working on a number of ports and maritime engineering projects throughout the Middle East. You should be a committed and motivated coastal engineering modeler exhibiting strong technical skills and team participation to help drive projects toward successful completion.

You will be responsible for the technical delivery of associated numerical modelling tasks providing support to port, maritime, and coastal engineering design projects. You will be responsible for performing coastal processes numerical modelling related computations as well as any required pre- and post-modeling calculations and data analysis. You will be responsible for the technical delivery of project tasks including preparation of reports and presentation of modelling results and recommendations. You will be expected to coach junior modelers in

technical aspects of coastal modelling.

Experience of the following is preferable: Technical leadership in delivering coastal modelling and related tasks.

Confident communication, with strong verbal and excellent written English and presentation skills.

Strong client and authority/stakeholder facing skills. Ability to communicate confidently and effectively with colleagues, clients, and regulatory authorities.

You should be comfortable engaging with internal and external clients to develop relationships.

Ability to construct and run a range of coastal models (1-D, 2-DH, 2-DV and 3D models) including models for waves, hydrodynamics, sediment transport, shoreline evolution, etc.

Fluency with 2D and 3D numerical modeling tools such as the MIKE by DHI suite, Delft3D tools, TELEMAC, SWAN, USACE tools, etc., is a must.

Carry out data analysis in connection with a range of modelling projects.

Experience with CFD tools, mooring analysis, and mooring software (e.g., MIKE 21 MA, Optimoor) and/or fast-time navigation studies (e.g., using SHIPMA) is beneficial but not strictly required.

Experience with physical modelling would be beneficial.

You must be able to manage your own time and that of junior modelers / team members to ensure successful delivery of tasks.

You will be expected to participate and lead technical proposal preparation.

You will enjoy working as part of an international team of experts. Here's What You'll Need:

As a successful candidate you will have an advanced degree in Mathematics, Science or Engineering (MS or PhD preferred from a recognized University) as well as having 10-15 years of experience with coastal engineering and modeling. Experience working in the Middle East is advantageous, as is being a qualified member of a recognized institution or organization (to include but not necessarily be limited to ASCE, ICE, IMarEST, etc.).

Jacobs. A world where you can.

From our inclusive employee networks to our positive mental health champions – we are committed to encouraging a culture of caring where you can be you. Joining Jacobs not only connects you locally but globally – and together, our diverse perspectives and unique backgrounds impact our collective strength. We collaborate and share! By supporting one another, we all succeed.

With safety and flexibility always top of mind, we have gone beyond traditional ways of working so you have the support, means and space to maximize your potential. You will uncover flexible working arrangements, benefits, and opportunities to do good too – from participating in our global giving and volunteering program, to exploring new and inventive ways to help our clients make the world a better place. No matter what guides you, you will discover how you can cultivate, nurture, and achieve your goals – all at a single global company.

Primary Location:United Arab Emirates-United Arab Emirates Countrywide-Bur Dubai-AE Bur Dubai – Halcrow International PartnershipJob Posting:Apr 13, 2023, 6:44:28

AMJob:EngineeringOrganization:PPSJob Type:ExperiencedJob Classification:Fulltime-RegularWork Locations:AE Bur Dubai – Halcrow International PartnershipHalcrow

International Partnership, 7th floor, City Tower 2Sheikh Zayed Road, Trade Center 1, PO Box 360 2Bur DubaiCapabilities:Ports and Maritime

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