

Job Description

POSITION	Principal/Senior Mechanical Engineer		
LOCATION	Milan		
DURATION	Full Time, Permanent	DATE	July 2026
JOB OVERVIEW			

Are you an experienced Mechanical Design Engineer who thrives on solving complex technical challenges? Ready to take the lead on data centre projects that shape the digital infrastructure of tomorrow? This is your opportunity to elevate your impact on a global stage.

WHAT'S IN IT FOR YOU

Shape High impact Projects – You will take ownership of the mechanical scope across large-scale, mission-critical data centre projects. You'll influence design decisions from concept through commissioning, ensuring high performance, resilience, and compliance.

Technical Leadership & Innovation - You'll be the go-to expert for mechanical design developing systems such as HVAC, chilled water, CRAC units and fire protection while helping drive continuous improvement and standardisation across engineering processes.

Client-Facing Influence – You will act as the primary technical contact for major clients across Europe. Your strategic insight and design assurance will strengthen relationships and elevate delivery excellence.

Mentorship & Team Development – You will guide and mentor junior engineers within multidisciplinary teams. You'll have the opportunity to shape the next generation of mechanical engineering talent while building your own leadership profile.

Cross Disciplinary Collaboration – You will work closely with electrical, structural, architectural, sustainability and BIM specialists to deliver integrated, efficient and cost effective project solutions.

ESSENTIAL SKILLS

- Strong experience in mechanical building services design ideally within mission critical environments such as data centres, healthcare, or high tech manufacturing.
- Deep understanding of thermodynamics, fluid mechanics and energy modelling principles.
- Proficiency with design tools such as Revit, AutoCAD, IES VE, and CFD simulation software.
- Proven leadership across complex technical projects and multidisciplinary teams.

- Chartered Engineer status (or actively working towards it) with a recognised institution (e.g., CIBSE, IMechE).

In addition, you will be joining a community that prioritises ongoing learning and development through regular knowledge sharing sessions and investment in accredited professional courses and educational programmes. You set the pace for your professional development—whatever direction you choose, you'll receive full support along the way.

ABOUT BLACK & WHITE ENGINEERING

Black & White Engineering is a multi-award-winning engineering consultancy with offices across the UK, Europe, the Middle East and Asia Pacific.

As an international engineering consultancy with a proven track record of delivering complex, high profile projects across the globe, we are now investing significantly in our growth across Italy. This is an exciting opportunity to join a business at a pivotal stage of its development, helping to shape and influence our expansion in the market. With ambitious growth plans, a strong pipeline of opportunities, and the backing of a globally recognised organisation, you will have the chance to make a tangible impact from an early stage while building your career within a rapidly growing and dynamic business. Combining local opportunities with access to international expertise, projects, and career pathways, this is a unique chance to be part of an exciting growth journey in Italy.

READY TO TAKE THE LEAD?

Apply now and help shape the future of digital infrastructure. Let's build something extraordinary together.