SERVICE OVERVIEW

Mechanical and Electrical Design Support

Practical MEP engineering insight from people who understand how systems are actually built.

We strengthen consultant and contractor designs with practical and buildable input across mechanical, electrical, public health and process systems, reducing risk during installation, commissioning and maintenance. We review designs and coordinated models with a builder's eye, identifying access issues, maintenance constraints and installation risks before they become problems on site.

What we do

Design Development Support

Practical engineering input across mechanical, electrical, public health and process systems, with buildable solutions grounded in real installation experience.

Designs that work beyond the paper.

Buildability Review

Reviewing designs and coordinated models for access, sequencing and installation risk before work reaches site.

Reduced installation and maintenance risk

Maintenance and Access Review

Assessing whether installed systems can be safely accessed, maintained and replaced throughout the asset's whole life.

Lower lifetime operating risk

At a glance

4 disciplines

Mechanical, electrical, public health, process

200+

Projects delivered

STANDARDS & COMPLIANCE

- ✓ ISO 19650 information management
- ✓ BSRIA BG6 Design Framework
- ✓ CIBSE design guidance
- ✓ CIBSE Society of Digital Engineering (SDE)

WHY DEW

- ✓ 20+ technical specialists
- ✓ 200+ projects delivered since 2016
- ✓ 80%+ repeat business rate
- ✓ 95%+ on-time and to brief
- ✓ 100% DBS-checked staff

How we deliver

01 **Design and model review**

The existing consultant or contractor design and coordinated model reviewed with a builder's eye, across mechanical, electrical, public health and process scope.

02 **Buildability assessment**

Access, sequencing and installation risk identified before work reaches site, covering interfaces between disciplines as well as within them.

03 **Practical design input**

Buildable amendments proposed and coordinated, resolving issues at design stage rather than on site.

04 **Maintenance and access review**

Installed systems assessed for safe access, maintenance and replacement across the asset's whole life, not just at handover.

05

Ongoing support

Continued input as the design develops, keeping the design aligned with what can actually be installed, commissioned and maintained.

Where we've done it

Aintree Hospital HEALTHCARE

Practical M&E design input for an Emergency Department extension delivered in a live hospital environment, with buildability and maintenance access reviewed alongside Stage 5 coordination to keep disruption to emergency services to a minimum.

> *“Digital Engineering Works exceeded our expectations, delivering quality work on time and within budget.”*

— FACILITIES MANAGER, MAJOR UK HOSPITAL

Let's streamline your next project.

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