

COORDINATE BEFORE YOU CONSTRUCT

Specialist MEP coordination and technical delivery support for contractors

KV SMARTFLOW LTD

MEP Coordination | Technical Delivery | BIM-Enabled Integration

KV Smartflow Ltd is a specialist MEP coordination and technical delivery SME supporting mechanical and renewable heating systems, controls integration, refurbishment works and BIM-enabled coordination. We help contractors coordinate services, improve buildability and reduce rework during delivery.

OUR COMMERCIAL OFFER

KV Smartflow provides outsourced BIM coordination and technical delivery support for SMEs and specialist contractors - helping identify and resolve MEP, design and installation issues before they cause rework, additional cost or programme delay on site.

BIM & MEP COORDINATION

Model federation, clash review, service interfaces, spatial coordination, buildability and coordinated installation information.

TECHNICAL DELIVERY & REFURBISHMENT

Mechanical services, renewable heating interfaces, plumbing/refurbishment integration, sequencing, access and installation constraints.

AI-ASSISTED MEP COORDINATION & ASSURANCE

Risk prioritisation, clash-resolution support, issue traceability and structured coordination evidence before installation.

CONTROLS / BMS INTEGRATION

Controls and BMS interfaces, panel/equipment integration, technical coordination, testing support and recommissioning interfaces.

WHY KV SMARTFLOW

- Coordination-led: identify clashes, interfaces, access and constructability risks before installation.
- Delivery-aware: connect digital coordination with practical technical installation requirements.
- Flexible SME support: outsourced coordination capacity without a permanent in-house BIM team.
- Traceable assurance: structured issue records, technical decisions and coordination evidence.

Your experience, powered by Smartflow.

WHERE KV SMARTFLOW CREATES VALUE

Moving coordination effort upstream to reduce avoidable delivery risk

TRADITIONAL DELIVERY

Design → Procurement → Site → Problem discovered → RFI / redesign → Waiting → Remove / modify → Reorder → Reinstall

REWORK • ADDITIONAL COST • PROGRAMME DELAY

KV SMARTFLOW - COORDINATE BEFORE YOU CONSTRUCT



THE VALUE

By moving coordination effort upstream, KV Smartflow helps contractors identify technical and installation risks before work reaches site - reducing avoidable rework, wasted materials, disruption and programme exposure.

AI-ASSISTED COORDINATION - HUMAN-LED DECISIONS

AI-assisted workflows support the identification and prioritisation of coordination risks. Technical review, coordination decisions and acceptance remain human-led. Digital workflows strengthen model review, issue management, traceability and evidence of resolution before installation.

TYPICAL SUPPORT

- Federating architectural, structural and MEP/trade information for coordinated review.
- Clash, clearance, access, maintainability and service-routing review.
- Issue prioritisation, ownership, resolution tracking and coordination evidence.
- Buildability and sequencing input before procurement and installation.
- Refurbishment and existing-services interface review.
- Verification and structured as-built / handover information support.

DELIVERY CAPABILITY & SUPPLY-CHAIN READINESS

A flexible specialist resource for main contractors, SMEs and specialist delivery teams

WHO WE SUPPORT

KV Smartflow works collaboratively with main contractors, SME contractors, specialist MEP subcontractors and project teams that need additional coordination and technical delivery capacity. Our focus is strengthening MEP delivery, buildability and information assurance across the Midlands and wider England.

CORE TECHNICAL SCOPE

Mechanical & Renewable Heating

Mechanical-service coordination, heating-system interfaces, plant/service routing and installation planning.

Plumbing & Refurbishment

Plumbing upgrades, existing-services interfaces, refurbishment integration and live-environment considerations.

Technical Installation Support

Installation planning, sequencing, interface management, verification and handover support.

Controls / BMS

Controls interfaces, panel/equipment coordination, BMS integration and testing/recommissioning support.

BIM-Enabled Coordination

Federation, clash review, issue management, buildability and coordinated information.

Assurance & Traceability

Structured coordination records, change visibility, issue closure and project information evidence.

SUPPLY CHAIN & DELIVERY CONTROLS

- Approved-supplier approach for building, plumbing, heating, electrical, controls and specialist MEP requirements.
- Competence, training and subcontractor checks proportionate to the work package.
- Health & safety, quality and environmental management arrangements.
- CDM 2015-aware coordination and delivery processes.
- Building Safety / Golden Thread awareness, change control and traceable project information.
- Carbon reduction and Net Zero commitments within company management arrangements.

ENGAGEMENT

OUTSOURCED COORDINATION SUPPORT

Project-specific BIM / MEP coordination capacity for contractors that need specialist support without expanding permanent overhead.

TECHNICAL DELIVERY SUPPORT

Practical support linking coordinated information with refurbishment, installation, controls and handover requirements.