



# ADAPT 2.0

ENGINEERED SOLUTIONS FOR  
TOMORROW'S SCHOOLS

# TIME, COST AND QUALITY GUARANTEED



ADAPT™ OFFERS A NEW APPROACH TO A STANDARD SCHOOL SOLUTION. IT'S A COMPONENT-BASED SCHOOL KIT, ENGINEERED AND TESTED AGAINST THE LATEST EDUCATION AND SKILLS FUNDING AGENCY REQUIREMENTS TO ENSURE COMPLIANCE, WITHOUT COMPROMISING ON DESIGN QUALITY OR SPECIFICATION.

SINCE ITS INCEPTION IN 2012...



Over £2M has been invested in research and development



Over 40 ESFA schools have been successfully delivered



Creating more than £500m of new schools



Providing in excess of 30,000 new school places



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# BESPOKE SCHOOLS, COMMON COMPONENTS



ADAPT™ IS NOT ABOUT BUILDING THE SAME SCHOOLS OVER AND OVER. IT IS ABOUT BUILDING DISTINCTLY DIFFERENT ONES, USING A ROBUSTLY TESTED KIT-OF-PARTS.

Our designs reflect the latest ESFA employer's requirements, standards and regulations whilst maximising the benefits of our consistency in every scheme.

Working with designers and manufacturers, we have tested compliance and functionality through a series of design studies

that challenged every aspect of a project whilst encompassing learning from recent schemes to maximise cost-effectiveness.

Through this, we deliver outstanding teaching and learning spaces, constructed with consistently high-quality materials and workmanship.

# A KIT-OF-PARTS DESIGN WITH 'INBUILT COMPLIANCE'



ADAPT™ GIVES US A SET OF TOOLS WHICH CAN BE CONFIGURED IN AN INFINITE NUMBER OF WAYS TO RESPOND TO A SCHOOLS' TOTAL SPATIAL AND CURRICULUM NEEDS. WE PROVIDE THE MOST COST-EFFICIENT AND COMPLIANT DELIVERY AND GUARANTEE A BESPOKE SCHOOL, EVERY TIME USING:

BIM pre-designed 3D school-space modules for each typical space, optimised for cost-effective internal comfort compliance	A kit-of-parts refined for optimised compliance, performance, quality, lifecycle and cost
Our Adapt™ specification benefits from repeat use of established components engineered for maximum efficiency	A fabric first energy strategy that exceeds industry standard energy targets
A standard grid which accommodates all school spaces in bespoke configurations	Standard steel sections, simple detailing, and programme certainty which allows for reduced lead times and fast installation
Window modules coordinated with room depths delivering high quality daylight throughout	A material palette allowing schools to choose their own finishes internally and externally

# QUICKER DESIGNS, EARLY COST CERTAINTY



IN APPLYING ADAPT™, WE DEVELOP AFFORDABLE DESIGNS QUICKLY WITH SET BUDGET AND AFFORDABILITY PARAMETERS THAT OUR DESIGNERS WORK TO IN THE CONFIDENCE THAT THEY MEET THE LATEST STANDARDS.

We know every element that makes up each space so we can achieve early cost certainty and deliver funding envelopes through our standard processes, pre-established supply chain agreements, and a cross-project approach to procurement.

## OUR PROCESSES FOLLOW FIVE SIMPLE STEPS

1 —————>

We reflect school spatial requirements using pre-configured 3D-space modules

2 —————>

We respond to site context to determine best building orientation

3 —————>

We test building scale and site location to satisfy planning requirements

## ONCE THE BUILDING LAYOUT AND FORM ARE AGREED:

4 —————>

We overlay our standard Adapt™ grid

5 —————|

We quickly advance the design using Adapt™ BIM objects

# STANDARDISED, CONSISTENT, BETTER



A WELL-ESTABLISHED ESFA COMPLIANT DESIGN PLATFORM ENSURES A QUALITY PRODUCT IS DELIVERED EVERY TIME. THROUGH PRE-COORDINATED PRODUCT SELECTIONS AND EXPERT TECHNICAL SUPPORT, WE ACHIEVE BETTER SITE-LEVEL COORDINATION, WORKMANSHIP AND QUALITY.

Our Adapt™ specification is pre-verified for compliance with latest standards. Focusing on high quality, robust material selection allows repeat key design components across the full suite of school buildings to ensure consistent, high quality construction.

With over 1,100 supply-chain partners across six regions and 28 offices, we balance trusted local partners with national trading partners to ensure

the right expertise, geographical coverage, and capacity to support our project commitments.

By using key component manufacturers and suppliers wherever our projects are located and adopting pre-defined standards in trade quality plans, our technical specifications define workmanship regulations to ensure works are carried out safely and precisely.

# INFORMED WHOLE-LIFE DECISIONS



WE KNOW SCHOOLS HAVE LIMITED OPERATIONAL BUDGETS, SO WE HELP THEM MAKE THEIR FM BUDGETS GO FURTHER BY ADVISING PREVENTATIVE MAINTENANCE REGIMES THAT INCREASE THE LIFE EXPECTANCY OF ASSETS. THIS ELIMINATES PREMATURE REPLACEMENT, AND IMPROVES PERFORMANCE, SAFETY AND QUALITY CONDITIONS.

We work with our designers and supply chain partners to design and procure cost-effective components and equipment, prioritising robust, low-maintenance product/material selections that drive reduced revenue costs and maintenance.

End-user training, BIM walk-throughs and product specifications are combined with planned preventative maintenance schedules detailing manufacture and frequency. By providing this valuable pre-handover guidance alongside the scope of tasks and statutory inspections, Adapt™ equips schools' FM teams to help them maximise life expectancy.

# DESIGNED WITH HEALTH AND SAFETY IN MIND



THROUGH OUR USE OF REPEATED PRODUCTS COMBINED WITH INSTALLATION BY TRUSTED TEAMS WHO HAVE PROVEN THEY UNDERSTAND QUALITY, COMPLIANCE, AND SAFETY REQUIREMENTS, WE WORK TOGETHER EFFECTIVELY TO DESIGN AND SAFELY BUILD EXCELLENT SCHOOLS.

As our teams know each other we are able to employ consistent construction techniques and design details – the majority of our supply chain from concept architect to window installer will have been involved in previous projects and therefore understand our approach.

We only select robust products that minimise maintenance, and ensure safe, easy access and maintenance

provision. Whether it is constructing full height parapets for roof edge protection, locating gutters that are easily accessible for cleaning without specialist equipment or extending stairs to the roof level for safe roof access, our effective design and FM strategies provide cleaner and safer school environments.

# ADAPT™ SCHOOLS MINIMISE ENERGY CONSUMPTION



OUR ADAPT™ ENERGY MODEL ENABLES US TO BALANCE THE PERFORMANCE OF THE INTERNAL ENVIRONMENT WITH CAPITAL SPEND AND LONG TERM ENERGY AND MAINTENANCE COSTS. ALL MODELS AND SPECIFICATIONS THAT RELATE TO ENERGY EFFICIENCY HAVE BEEN TESTED PRIOR TO STARTING DETAILED DESIGN.

Our 'fabric first' approach is optimised to provide very high levels of insulation and air tightness. In doing so, our schools are significantly better than the standard Building Regulations and we ensure the available construction budget is focused on minimising energy consumption at source.

Supplemented by the use of efficient heating plant, LED lighting, and simple controls, we ensure that the heating demand and energy consumption is minimised to provide a buffer against rising energy costs in the future.

# BIM PRE-COORDINATED SOLUTIONS AT LEVEL 2 GUARANTEE QUALITY



WITH 80% OF BUILDING ELEMENTS PRE-DESIGNED IN BIM, WE RESOLVE CLASHES AND CONSTRUCTABILITY ISSUES WITH SPECIALIST CONSULTANT AND SUBCONTRACTOR EXPERTISE BEFORE THEY ARISE AND CAN BE CONFIDENT THAT DESIGNS ARE COMPLIANT, PRE-COORDINATED, AND BUILDABLE AS DRAWN.

Thanks to the Adapt™ system's library of component and layered BIM objects, our approach fast-tracks coordination of most elements, so we can give earlier and greater attention to school-specific coordination issues ahead of site works.



# OFF-SITE SOLUTIONS, BESPOKE SCHOOLS



VARYING FROM VOLUMETRIC TO STANDARDISED DESIGN SOLUTIONS, INCLUDING SIPS, WE PROACTIVELY EXPLORE NEW TECHNOLOGIES. THIS BRINGS OUR CLIENTS IMPROVED QUALITY CONTROL AND SAFETY, LESS SITE CONGESTION, MINIMAL WASTE, REDUCED PROGRAMME RISK AND FEWER HOURS WORKED ON SITE.

Thanks to our in-house services contractor SES and our in-built flexibility to adapt to individual school needs, site specifics and statutory requirements, we are able to provide our PRISM solution. PRISM is an industry leader in off-site construction engineering services and integrated build solutions.

Our bespoke BIM-designed solutions include 2D and 3D service modules (incorporating fire, acoustic and wall solutions), fully packaged plant rooms (with fully tested mechanical, electrical and controls services), fully serviced risers, prefabricated brackets and wiring solutions.



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## CONTACT

For more information, please visit our website:

[wates.co.uk/education](http://wates.co.uk/education)

or

Contact the Education Design Director:

**Steve Smith**

[steven.smith4@wates.co.uk](mailto:steven.smith4@wates.co.uk)

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