



ROSSWAY

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CONSTRUCTION SOLUTIONS

REFURBISHMENT

ROOFING & CLADDING

REPAIR & MAINTAIN

SAFETY SYSTEMS

CONSTRUCTION



Self erecting crane



Air scales



Safeway System

To view a video demonstration of these solutions in action click on the image

About Rossway

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With a history spanning over 50 years of providing specialist services to the construction industry, **Rossway's** main core activities are in the provision and installation of roofing, envelope, and cladding systems to the construction market in new build and refurbishment.

The **Rossway** team is committed to recognising the needs of our clients and we have a positive attitude to being innovative; our forward thinking philosophy ensures we are continually investing in our systems and procedures to service all client requirements. With an unparalleled commitment to breaking new ground in construction, **Rossway** are able to meet the needs of the end user whilst retaining total focus on legislation and the highest safety standards applicable to every project.

Rossway can provide the full range of construction services so the client has a single point contact.



Refurbishment project before & after for Sutton Coldfield College



Design of Rossway Business Park, West Midlands

A good investment

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At **Rossway** we realise that a building is a long term investment. The building will require refurbishment over its life to ensure that it meets ever changing demands and that it provides the function for the current environment.

This may require upgrading of external facades which will provide enhanced insulation values and also improve modern aesthetics.

There is huge potential in retaining the existing building stock and **Rossway** can assist building users to retain the structure and update building fabric.



TriGate House renovation before & after, Birmingham

Minimising disruption

Business as usual

When upgrading existing production facilities an important consideration for any client is to ensure production within the facility can be maintained with little or no disruption.

At **Rossway**, we have over 50 years experience in this type of work, in particular when upgrading existing roofs.

Unique & innovative

Our solutions are unique and innovative, from use of movable scaffold structures on air scales to over roofing from flat to pitch roofing.

These innovations are developed to ensure buildings can remain occupied and functional throughout the construction process.



The complete solution

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Rossway can provide the complete construction solution.

Whether it is repair or reinstatement of damage roofing of cladding or the complete construction package. **Rossway** will undertake small or large contracts to ensure clients have a single source, single point responsibility.

The **Rossway** team have completed a 20 unit residential development in Birmingham.



Summer Road development, Birmingham

The commercial solution

Rossway have experience and extensive knowledge in the industrial and commercial sector. When the team were faced with a challenge to refurbish the existing roof to a premises producing electrical generating equipment in Loughborough, we proposed a number of solutions including a flat to pitch roof conversion.

This improved the rainwater capacity and weather integrity of the external envelope and the works were undertaken with the client maintaining occupation and full production during the works.



Brush Electrical before and after, Loughborough

The design solution

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When the **Rossway** team were presented with the challenge to construct timber cladding to a facility for the National Institute for Building Science, they realised the solution was to provide an innovative and unique design. The design requirements were challenging. The timber cladding would only provide the aesthetic function; it was how to provide the weathering function that required design expertise. The solution was to install a standing seam roof, convex and concave in two directions to produce the 'bottle neck' building shape. On to this curved rails were attached and a concealed "secret" gutter installed to channel rainwater and eliminate any water staining to the timber facade. Close attention was given to all the design interfaces, including roof to upstand abutments; verge and soffit return details.

The design criteria was to produce a watertight building with very low air leakage requirements to cater for the air sealed laboratory environment within and produce the architectural aesthetic requirements to comply with the planning requirements.

Because this was a unique design, a full size mock up was constructed at Rossway's fabrication facility. This enabled the team to ascertain that both the design and construction sequence performed correctly prior to arriving on site.



Design, prototype, roofing, cladding and construction solutions for NIBS

**For more information please visit our website
www.rosswaydowd.co.uk or call 01922 744060**



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The construction solution

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Rossway can provide construction solutions. At the state of the art Queen Elizabeth facility in Birmingham, the challenge to the **Rossway** team was to provide the link bridge between the existing and new hospital. Site restrictions and surrounding terrain limited access for traditional construction. The solution was to construct the bridge units in 25m long sections off site, which were transported to site and bolted together in 50m sections and then hoisted with tandem crane lifting.



Queen Elizabeth Hospital link bridge, Birmingham

The solution adopted for the re-roofing of the Jaguar Land Rover facility in Castle Bromwich involved the use of scaffolding structures, some 20m x 20m weighing 20 tonnes being moved on air scates. This innovative solution provided a far safer and more productive solution to enable early handover of the production facility.

Rossway solutions



Self erecting crane



Air scates



Safeway System

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Roof assessments

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Rossway have professionally qualified and certified staff to undertake detailed assessments and appraisals of external envelope conditions. A fully detailed report can be provided to enable clients to consider a course of action to achieve the building performance required for their operations and to meet necessary regulations and standards.



Rossway roof dilapidation assessment

Insured loss repairs

Rossway have an established presence in the market for insured loss repairs to commercial and public buildings.

In the event of building damage the priority is to act quickly to initially limit any further damage to the building fabric.

Rossway have the knowledge and resources to provide a detailed assessment for emergency repairs and reinstatement works reports. The design and procurement department can provide solutions to suit the circumstances and material manufacturing constraints to reinstate buildings to ensure speedy occupation.



Insurance repairs



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Building for the future

Rossway specialise in the refurbishment of existing buildings. This refurbishment will require close liaison with the building users to achieve the expected results. This presents a challenge to our design department to achieve the required modern quality finish to an existing facade. The contracts department will closely liaise with the design department to ensure the design intent can be realised, enabling the building to continue occupation during the construction works.



Renovations for BMW, Eaton Valley School & Sutton Coldfield College

The leading edge of health & safety



Rossway have exclusively designed a roof safety protection system to ensure safety of operatives when installing roofing materials. This innovation has involved consultation with numerous parties including roofing installers, material manufacturers and Statutory Health and Safety enforcing bodies, including The Health and Safety Executive.

The **Rossway Safeway Roof Safety Protection System** is a fall protection system which operates from the leading edge when installing roofing materials. The success of the system is because it is user friendly and can be readily transported to different locations.

The **Rossway Safeway System** has been introduced to the Australian market. This has proved to be a huge success to the company with further developments including the Rossway Safeshift System - developed to provide safe and economical handling of composite roof panels.

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