



## CASE STUDY

## M6 Rugby Motorway Service Station

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#### THE PROJECT

Construction of a new £23M MOTO service area adjacent to the M6 motorway.

#### THE PROBLEM

Unforeseen groundwater and slope instability & earthworks control.

#### THE SOLUTION

Fast deployment of experienced geotechnical expertise & rigorous analysis which kept the construction programme on track.

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Vinci Construction encountered unforeseen ground water when building a new MOTO service station on the M6 at Rugby. The £23M project included extensive parking, a fully serviced amenity building (including restaurants and retail units), and fuel filling station. The extensive earthworks and groundworks were underway when Vinci became concerned that the stability of a steepened slope supporting the perimeter access road might be compromised. They needed a quick response so as not to hold up work progress, which is when Vinci were put in touch with Remedy Geotechnics who were quick to respond. Remedy attended and logged additional trial pits and went on to develop an enhanced ground model of the road, slope and nearby attenuation pond. This enabled Remedy to undertake a rigorous slope stability assessment which, fortunately, demonstrated that even under adverse conditions ground instability would not affect the perimeter road.

With a combination of poor weather and wet ground, Vinci were also conscious that the control of their earthworks cut and fill operation required careful management to maintain the required end product quality. Remedy were able to review the ground information and earthworks records to ensure the required lime stabilisation measures being undertaken on site were yielding satisfactory results. This then enabled a full review too of the completed earthworks records and lead to Remedy being able to assure Vinci that the earthworks had been undertaken to the required quality and were complying with the Specification for Highway Works.

**Contact Remedy Geotechnics** - we'll give you an answer every time.

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