



'Watertight by Design'



Client:

Yondr Group

Main Contractor

ISG Hyperscale Projects

Specialist Contractor

Getjar Limited

Main Products Used:

Emshield DFR System

For More Information:

NCC Movement Joints Ltd

01257 266696

technical@nccinaction.co.uk

www.EmsealServices.co.uk

www.Emseal.com

Yondr Data Centre -2 Slough

Case Study

Yondr is continuing the expansion and development of their 100MW Data Centre Campus in Slough, with the second of three almost identical, three-storey buildings now nearing completion. The Yondr development is an important part of Slough's Regeneration Framework and is being built on the site of the old Slough Gas Works, and the former Akzo Nobel paint factory. The first 20MW capacity building has now been commissioned, with commissioning of the second also scheduled for completion in 2024, and the third is on track to complete the hyperscale facility in 2025.

At the centre of each building is a large high-tech data hall, where the processing equipment is installed across the main floor slabs, with 100mm wide structural movement joints that are also an important part of the buildings fire compartmentalisation. These joints required a high-performance expansion joint sealing solution that would ensure structural integrity is maintained in the event of fire, whilst also maintaining a secure watertight seal, and accommodating service traffic across them. Therefore, the specification required the watertight, trafficked floor movement joint sealing system to be CE certified with up to 4-hours fire integrity and thermal insulation, whilst accommodating multidirectional movement, meaning laterally +/- 50%, for an overall 100% joint movement capability.

The ideal solution was provided by using Emseal's Emshield DFR System from NCC (Movement Joints) Limited, which was installed by Getjar Limited, with a recessed cover plate system, to withstand and allow the vehicular traffic smooth access across the floor.

