

# SYSTIMAX<sup>®</sup>

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## SOLUTIONS

## Advanced Cabling Prepared BP for Future Challenge

### High performance SYSTIMAX<sup>®</sup> GigaSPEED<sup>®</sup> XL and OptiSPEED<sup>®</sup> Solutions installed at flagship offices of Energy Industry Leader

BP International's 60,000 m<sup>2</sup> office complex west of London in Sunbury-on-Thames has been re-cabled with the latest SYSTIMAX GigaSPEED XL copper and OptiSPEED fiber solutions. These solutions provide the four, three-storey buildings and connecting area with more than 12,500 GigaSPEED XL outlets, allowing connections at up to 1 Gb/s.

With performance well above the Category 6 cabling standard, the new installation provides high-speed connections that are essential in the fast moving energy sector. As economic and political factors change overnight, rapid communications have a vital role to play in ensuring the world has the energy supplies it needs.

For fast cabling installation, SYSTIMAX Prestige BusinessPartner, Honeywell Network Solutions used pre-terminated cables; time on-site was reduced from six weeks to one for each of the four buildings in the latest phase of the project.

The team that cuts and terminates cables off-site, works from CAD diagrams and specifications generated by the system used to design and plan the cabling network. This has proved accurate and reliable in practice, greatly simplifying the work of on-site installers.



"We must have high-quality, high performance connectivity from end-to-end since network bottlenecks threaten the efficiency both of individuals and whole departments," said David Newey, Redevelopment Project Manager at BP. "With throughput well above Category 6 standards, we know that SYSTIMAX cabling will handle the most demanding applications. Its fast, error-free transmission makes systems more responsive, so the teams who use them are more productive and able to react quickly when necessary."

The Sunbury site has a two-hub network for resilience, with hubs connected to each building via outdoor grade singlemode OptiSPEED fiber cabling. Eight-way information outlets are arranged on a 3.5 meter grid across floor plates under all office areas.

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*Mr David Newey, Redevelopment Project Manager at BP.*



Each story has two floor plates separated by a central atrium, and the cabling is laid over these on top of acoustic matting. Within the four buildings, there are a total of 20 communications rooms, one on each floor plate occupied by office areas.

Communications rooms are equipped with

SYSTIMAX 1100 patch panels, which use RJ45 type connectors. To link these panels together within buildings, Honeywell used SYSTIMAX OptiSPEED multimode fiber, providing 1 Gb/s connections. From patch panels to floor outlets, the system will initially run at 100 Mb/s, but the new cabling and patching hardware can comfortably support Gigabit Ethernet without modification.

As well as data communications, systems connected via the new infrastructure include building management, access control, video and advanced seismological imaging. In the future, BP expects to add new voice and video-based system for applications including distance learning and conferencing.

“Working with our BusinessPartners, we can provide cabling infrastructure that is both fast and trouble-free in operation, and quick to install,” said Dorte Blichfeldt, Sales Manager, SYSTIMAX<sup>®</sup> Solutions, UK. “The new installation at Sunbury will provide BP with cabling performance that matches the demands of increasingly sophisticated systems that are essential in the energy sector.”

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