

The [National Physical Laboratory](#), Teddington, Middlesex, UK undergoes a major lighting upgrade project using Honeywell CentraLine HAWK™ controllers directly connected to DALI® intelligent LED fixture networks, using the world's first web based "Big Data" ready lighting solution, [elitedali for Niagara AX®](#).



NPL is the UK's National Measurement Institute, and is a world-leading centre of excellence in developing and applying the most accurate measurement standards, science and technology available.

NPL employs over 500 scientists, based in south-west London. Across a 36,000 square-metre purpose built building are 388 of the world's most extensive and sophisticated science laboratories.

The lighting upgrade project is expected to cover all spaces in the entire 332,000 m² campus and include some 10,000 DALI light fittings and sensors.

elitedali for Niagara AX was deliberately chosen after strong competition from the traditional intelligent lighting controls industry and detailed evaluation of all the solutions on offer. The elitedali™ solution is a native Niagara AX solution, meaning that Niagara is the lighting controller and the only lighting commissioning tool required. There is seamless access at any time to all the lighting management information that NPL needs, including all the DALI device data according to the IEC 62386 standard. This provides NPL with a completely flexible solution that can be maintained by NPL's Facilities Management team, [Amey](#), or any chosen suitably skilled Niagara AX System Integrator.

Amey are using the [Honeywell CentraLine](#) HAWK platform as their Niagara AX platform of choice as this is already used for existing traditional BMS on site.

The elitedali solution is being delivered by two of Amey's preferred Honeywell CentraLine Partners, Intelligent Buildings Automation Ltd and Smith & Byford Ltd - both of whom are also [Certified elitedali Partners](#) (CeP).

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