

British Antarctic Survey

- / BAS, Antarctic.
- / Lighting controls fit-out
- / Training of staff



The Brief

The British Antarctic Survey is the United Kingdom's national polar research institute. The Institute's purpose is to conduct polar science, enabling better understanding of global issues, and to provide an active presence in the Antarctic on behalf of the UK. Its skilled science and support staff based in Cambridge, Antarctica and the Arctic, work together to deliver research that uses the Polar Regions to advance our understanding of Earth as a sustainable planet.

The British Antarctic Survey (BAS) needed a lighting controls fit-out that could meet the demands of its year-round research station, Halley VI, in the Antarctic setting. Working in consultation with AECOM, we were asked to provide a low-cost system that facilitated ease of wiring and programming of each of the eight interlinked pods that make up the body of the station.



The Solution

We recommended the use of its Lon2dali system using the LonWorks™ to DALI Gateway, enabling all Halley VI pods to be connected together to provide site-wide control of each unit. To allow the BAS engineering team to be self-sufficient, Luxonic also created a site-specific training course at their Basingstoke HQ for DALI and LonWorks™ programming using LonMaker™.



The Result

Thanks to our lighting control solution, the British Antarctic Survey engineers have been able to successfully commission the system direct from the station in Antarctica, ensuring ease of operation for the state-of-the-art global research platform.