Enhancing the design of building services for whole life performance

Godfaurd John¹, Hsieh-Min Loy¹, Derek Clements-Croome¹, Vic Fairey² and Keith Neale²

¹School of Construction Management & Engineering, The University of Reading, Whiteknights, Reading, UK.
²Dytecna Limited, Malvern, Worcestershire, UK.

Synopsis
The management discipline of Integrated Logistic Support (ILS) had been widely practice in the defence and aerospace industries as compared to the building industry. Together with leading industrialists from the building services and defence sectors, researchers at The University of Reading attempts to introduce this approach to predict and validate the reliability, maintainability and supportability of the design at the beginning of the project. This paper sets out the benefits of this approach which had delivered a whole life cost savings of up to 35% for the defence industry.