

## Cite this article

(2022)

Award-winning paper in 2020.

*Infrastructure Asset Management* **9(1)**: 57,  
<https://doi.org/10.1680/jinam.2022.9.1.57>

## Announcement

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# Award-winning paper in 2020

Papers published in *Infrastructure Asset Management* are eligible for awards from the Institution of Civil Engineers (ICE). Papers from any of the ICE journals can be nominated for several awards. In addition, each journal has awards dedicated to their specific subject area.

On Friday 15 October 2021, ICE president Rachel Skinner presented an award to the following paper published in *Infrastructure Asset Management* in 2020. The Editorial Panel nominated their best papers and an awards committee chaired by Tim Broyd allocated the awards.

## Infrastructure Asset Management Prize

The Infrastructure Asset Management Prize was awarded to Love *et al.* (2020).

### Abstract

Rework during construction is often required due to errors and omissions contained in the engineering documentation that is produced. If errors and omissions go undetected, they may become embedded within the 'as-built'

documents that are provided to an asset owner at practical completion. In the specific case of instrumentation and control systems (ICSs), errors and omissions are often found in as-builts. This adversely impacts productivity and safety during the operations and maintenance process, as information is not readily available. In the case of liquefied natural gas (LNG) plants, for example, shutdown periods may have to be extended, which can jeopardise the production and supply of gas and therefore place a strain on energy markets. The research presented in this paper aims to address this issue by proposing a novel digital system information model which can be used to improve the robustness of an LNG operator's asset information management system. The creation of a digital model provides a platform for future-proofing LNG assets and minimising the duration of shutdown periods. The research provides the LNG sector with an innovative solution for digitising their ICSs so that assets can efficiently and effectively be maintained and operated.

### REFERENCE

Love PED, Zhou J, Matthews J and Locatelli G (2020) Digital system information model: future-proofing asset information in LNG plants. *Infrastructure Asset Management* **7(1)**: 46–59, <https://doi.org/10.1680/jinam.19.00050>.