



Angelo Ferro, Intelligent Engineering

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" Intelligent Engineering (IE) is a company that is developing an industry-changing technology, the Sandwich Plate System (SPS) for use as lightweight flooring for multi-storey buildings and grandstand terracing. In general, SPS Floors and SPS Terraces are 75% lighter than comparative concrete or composite systems. The dynamic performance of the SPS Floors is governed by the increased stiffness and frequency response. SPS Terraces similarly offer increased stiffness and, through crowd-structure interaction, are heavily damped."

"The FSDL team, world renown for their state-of-the-art knowledge and dynamic testing capabilities, helped IE devise test programs that would identify the dynamic performance characteristics of the SPS applications. They performed the dynamic testing and delivered excellent support for their work in the form of documentation and thorough insight into the dynamic response. Their work formed an integral part of IE's multi-year development program, which successfully allowed IE to bring SPS Floors and SPS Terraces to market. We were delighted with the outcome and have enjoyed working with the energetic people at FSDL."