

SCI CONSULTANCY: SPECIFICATION ENGINEERING SOFTWARE BESPOKE PRODUCT SOFTWARE



Client:

In 2005 the already successfully established distribution network of Studwelders Composite

Floor Decks Ltd, Northern Steel Decking Limited and Northern Steel Decking – Scotland Limited created Composite Metal Flooring Limited.

CMF's state of the art new build manufacturing facility houses three dedicated roll forming production lines, developed for sole manufacture of MetFloor Composite Decking Profiles.

The MetFloor® product range and associated design software has been developed with the assistance of Imperial College, London and The Steel Construction Institute.

<http://www.cmf.uk.com>

SCI's software supports CMF Metal Decks

SCI was commissioned by CMF to produce software for the analysis and design of Composite Metal Flooring Ltd (CMF) MetFloor® 55, MetFloor® 60 and MetFloor® 80 range of deck profiles.

The CMF software includes the following features:

- Design to BS5950,
- Comprehensive specification options including equal / unequal spans and mesh / fibre reinforcement,
- Clear and intuitive graphical interface,
- Informative context sensitive graphical and textual feedback,
- Links to associated SCI publications,
- Comprehensive reporting options including cross-section and loading drawings and internal force graphs,
- In-service quality assurance via web-based automatic updates.

The software was developed by SCI within a strict quality management regime including an auditable test programme. It was thoroughly tested by the CMF engineering team prior to being released to the public.