A wide-angle, low-perspective shot of a large stadium's interior. The seating is dark blue and arranged in a semi-circle. The roof is a complex, high-tech structure with a grid of steel beams and glass panels. The lighting is dramatic, with many spotlights visible. The overall atmosphere is one of modern engineering and architecture.

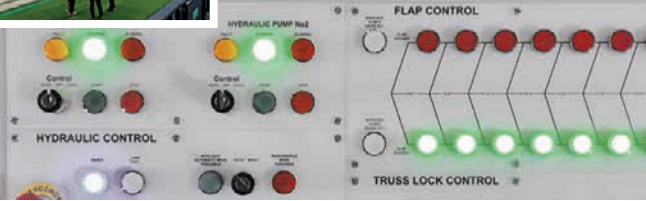
The brains behind the brawn >

It's when mechanical and
electrical engineering combine
that things really move



EAST SURROUND CONTROLS

EC&I Proj +GM1- (E)UC1-1
PERFORMANCE SCIENCE
SCX



> Tottenham Hotspur 10,000t retractable pitch

The pitch and touchline retracts in 25 minutes, by remote control
There are 290 electric motors and over 140 hydraulic cylinders
The EC&I system contains over 1,800 devices and 148 enclosures



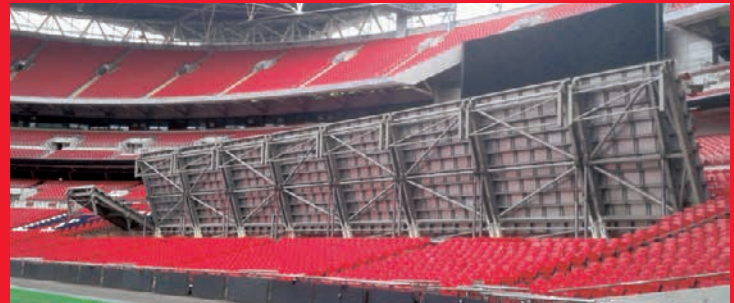
> Hydraulic stage set lifting rig

The stage towers are built through repeated 1.25 metre lifts
Hydraulic rams provide power, controlled by bespoke EC&I
The rig is rugged, SIL safety rated and modular for transportation



> Two concertina roofs at Wimbledon

Both roofs close in 10 minutes, operated from a central control room
Each roof has up to 120 actuators, 44 motors, 164 servos and 50 VSDs
Complex integrated mechanical and electrical design solution



> Wembley stadium retractable seating

800 seats swing upwards to reveal a flat surface for the stage
Eighteen powerful 8-metre cylinders raise and lower the seating
Simple controls automate the lift, with sensors for positional data

> Call us on 0114 262 6199 or email info@scx.co.uk



> **Swiss Re 'Gherkin' bespoke access solution**

SCX designed, tested and installed 5 bespoke access machines
Cradles travel down the building while a 30m boom serves the top
Mechanical and electrical interfaces keep things smooth and safe