



# Swissma designs and builds @ klia2

## Roof systems for integrated complex at new terminal

**THE COMMON DENOMINATOR** in Persada Johor, Malaysia Agro Exposition Park, Serdang and Setia City Convention Centre, Shah Alam is Swissma or, to be precise, Swissma Building Technologies Sdn Bhd. Incepted in 1997, a collaboration between Swiss master-craftsmen and a Malaysian construction outfit, Swissma is, today, a total solutions and provider for premium roofing and wall cladding systems that includes design, fabrication and installation. These (solutions) incorporate a range of materials, from coated steel to stainless steel, aluminium, copper, titanium zinc and pure titanium

Positioned in the forefront of the domestic building industry as the preferred “one-stop” centre for roofing systems, Swissma has the added distinction of being appointed official supplier and installer by a number of international manufacturing corporations, market leaders themselves, e.g., KM Europa Metal AG, Germany (TECU copper) and Union Miniere, France (VM ZINC Titanium Zinc). Also, here at home, with ISO 9001:2008 accreditation (project implementation), Swissma is the official Industry Confederation Partner for the Malaysia Green Building Confederation (MGBC).

### Swissma @ klia2

Having clinched the “design and build” tender for roof systems for the integrated complex at klia2, Swissma brought to bear all its accumulated wealth of expertise towards the project, i.e., three zones of roof installation with different thermal and acoustic requirements for car park roof and mall and departure forecourt – totaling an area of 33,000m<sup>2</sup>. Swissma provided the solutions

using Swissma Doppelwelt 38 Standing Seam built-up roof system\* in Clean Colorbond XRW.

(\*Swissma Doppelwelt Standing Seam System is a versatile roofing profile with double seamed joints.)

### Challenges and Constraints

The order of the day was for roof design to achieve certain acoustic value and thermal requirement and for the roof to be installed without end lapping. All in a day’s work for Swissma but the real challenges, though, were in project implementation and contending with operational constraints insofar as:

- roof systems need to be tested prior to installation (at UiTM Shah Alam acoustic laboratory) and verified as “meeting requirements”;
- time, fast-track project with a tight schedule and completion dateline;
- site forming at roof level for the longest length of 62m on-site production, for which Swissma was tasked with unerring coordination of logistics, i.e., work flow process, transport of materials, etc (note: site forming was proposed specifically to ease design and transportation).

As a “successfully-completed” project, klia2 will now be annotated as yet another feather in Swissma’s cap, and another step forward to being the leading global provider of total roof and wall cladding solutions having already established its mark in Malaysia. ■

More information at [www.swissma.com](http://www.swissma.com).