



# Steel Design Awards 2010

For your project to be eligible for the Steel Design Awards 2010, you must fully complete and submit this form with your entry.

Project details: please give details of the project.

Project name		
Steel Design Awards 2010 category		
Brief description of project (e.g. hospital, arts centre, bridge)		
Location		
Date of completion (between April 2008 and 30 April 2010)	Cost (S\$)	

Project credits: please give details of the project team below (please note that this information may be used for Steel Design Awards 2010 certificates, audiovisual material and event literature).

Client(s)	
Architect(s)	
Contractor(s)	
Structural Engineer / Steel Fabricator	
Other (i.e. specialist sub-contractors)	

Contact details: please give contact details for the project representative (i.e. the individual responsible for the submission).

Name		Position	
Company			
Address			
Telephone		Email	

Please tick here to indicate that you have read and adhered to the terms and conditions of entry and submitted the correct documentation as specified in the entry leaflet.



# STEEL DESIGN AWARDS 2010

26TH AUGUST 2010



# 2009 STEEL DESIGN AWARDS WINNERS

## Sports, Bridges and Healthcare or Other Structures



**The Henderson Waves**  
 Client: URA Singapore  
 Architect: RSP Architects Planners & Engineers (Pte) Ltd  
 in collaboration with  
 IJP Corporation Ltd, UK  
 Contractor: Evan Lim & Co Pte Ltd  
 Structural Engineer: RSP Architects Planners & Engineers (Pte) Ltd;  
 Adam Kara Taylor Consulting Civil & Structural Engineers, UK  
 Steel Fabricator:  
 TTJ Design & Engineering Pte Ltd



## Community, Residential or Institutional Structures

**Main Roof, T3, Changi Airport**  
 Client: Civil Aviation Authority of Singapore  
 Architect: CPG Consultants  
 Contractor: Shimizu Corporation  
 Structural Engineer: CPG Consultants  
 Steel Fabricator:  
 TTJ Design & Engineering Pte Ltd;  
 MTTJ Engineering Sdn Bhd

## Industrial and Commercial Structures

### ION Orchard

Client: Orchard Turn Residential Development Pte Ltd /  
 Orchard Turn Investment Pte Ltd  
 Architect: RSP Architects Planners & Engineers (Pte) Ltd  
 Contractor: Penta Ocean Construction Co. Ltd  
 Structural Engineer: RSP Architects Planners & Engineers (Pte) Ltd  
 Steel Fabricator:  
 Yongnam Engineering & Construction (Pte) Ltd  
 Other: Parsons Brinckerhoff Pte Ltd



# Steel Design Awards 2010

The Steel Design Awards 2010 are now open for submission of entries. The Singapore Structural Steel Society invites eligible applicants to submit their projects.

Since 2002, the Steel Awards have recognized steel structural engineering excellence, and rewarded the work of the most talented structural designers/architects and steel fabricators for their indispensable contribution to the built environment. This event was previously held in 2002, 2004, 2007 and 2009.

The greatest challenge in the coming years for the construction industry is to remain profitable and competitive. For the steel sector, this is the golden opportunity to demonstrate the advantages of steel design and construction. Many developments are hard pressed for materials, time and workers. Steel designers and related practitioners who come out with innovative designs on cutting edge steel building technology to fast-track construction and at the same time to reduce the number of construction workers required will be the most sought after.

### Why should you enter?

Submission of entries to the SSSS Steel Design Awards allows one to have the opportunity to be associated with the continuing growth and success of this premier celebration of achievement and innovation in steel structural engineering.

The SSSS Steel Design Awards is a fantastic opportunity to raise the profile of your organization within the industry and the general public. It also acknowledges the efforts contributed by your project team.

### What type of projects is suitable?

The SSSS Steel Awards welcome entries from structural engineers/architects/owner or steel fabricators. It is open to both large-scaled and small-scaled projects. Judging is based on merit and not on scale. The intended project for entry should have been completed or be due for completion between April 2008 and 30 April 2010. The SSSS Steel Design Awards' categories are designed to reflect the breadth of projects for which our designers or steel fabricators are responsible for in Singapore.

### The judging criteria

Submissions will be judged on whether the steel design of the project displays the following attributes:

- Creativity
- Value
- Innovation
- Excellence

Points will be awarded to those projects if they exhibit the following key criteria:

### Design

- Architectural and structural excellence
- Efficiency and innovation in the use of steel
- Environment impact and environmentally friendly
- Cost effectiveness

### Fabrication

- Innovative manufacturing technique
- Practicality in fabrication procedure with respect to material and geometry
- Effective use of Manpower during fabrication
- Adaptation of good workmanship and skill

### Erection

- Efficacious erection sequence and procedure
- Minimising impact to the neighbourhood during construction
- Innovative and economical devices for assembly and erection
- Construction quality and safety

In addition, participants are required to submit a synopsis comprising not less than 1000 words based on the above criteria. Judges are looking for clearly presented materials that concisely informs them of the project and work of the designers and steel fabricators and why the entrant is worthy of an award.

### Categories

For the 2010 SSSS Steel Design Awards the committee has decided to divide into 3 different categories, reflecting the

breadth of projects for which structural engineers and steel fabricators are responsible. They are as follow:

### Award for Community, Residential or Institutional Structures

For achievement in the structural design of community or residential structures; examples include community centres, bus stations/shelters, places of worship, libraries, police stations, residential homes, housing, hostels or smaller-scale projects. Or institutional structures which include educational, polytechnics, university campuses and public monumental buildings.

### Award for Industrial and Commercial Structure

For achievement in the structural design of industrial or commercial structures; examples include factories and warehouses, petrochemical works, water treatment works, power stations, office buildings and shopping centres.

### Award for Sports, Bridges and Healthcare or Other Structures

For achievement in the structural design of sport structures, bridges or healthcare structures or structures not mentioned above.

### How to enter

Entries should be in Microsoft Word format and submitted via email or CD/DVD. All entries must include the following:

- Cover letter confirming approval from the project owner for the submission; and that, although the copyright remains with the authors, the Singapore Structural Steel Society has the right to retain work for exhibition purposes and to reproduce it for publication, including digitally or via the internet. If the copyright of any image(s) belongs to another party, this must be clearly stated;
- Official SSSS Steel Design Awards 2010 entry form. Entry forms must be fully completed and all terms and conditions of entry strictly adhered to;
- Photographs and drawings (no more than two images per page). Please note that images embedded in the Microsoft Word file may be low-resolution. However, it is essential that all images be supplied separately as individual high-resolution CMYK ".jpeg", ".eps" or ".tif" files (minimum 600dpi at A4 size) – maximum of five images.
- Other supporting materials (such as press cuttings, CAD designs, site layouts, etc) – maximum of three-A4 pages.

### Terms and conditions of entry

The following terms and conditions must be observed for your submission to be eligible for the SSSS Steel Design Awards 2010:

- The work entered in any category should have been completed or due for completion between April 2008 and 30 April 2010;
- Only entries submitted by structural engineers/architects/owners or steel fabricators will be eligible;
- Only entries submitted in designated formats will be eligible;
- All entries must be submitted with the fully completed SSSS Steel Design Awards 2010 entry form;
- Please note that information submitted in your entry form may be used for SSSS Steel Design Awards 2010 audiovisual presentations, certificates and plaques;
- Judges reserve the rights to re-assign projects to different categories where it is deemed appropriate. Project representatives will be notified in this instance.
- Judges reserve the rights not to award all or any of the categories of the Steel Design Awards 2010.
- Winners of the Steel Design Award 2010 are required to give a 10minutes non-technical presentation at the Singapore Structural Steel Society Annual Dinner and Steel Design Award Night on 26 August 2010.

### Deadlines for submissions

Deadline for submissions is 18 June 2010, Friday. All submissions will be acknowledged upon receipt. Entries on CD/DVD should be sent to : SSSS Secretariat

336-C King George's Avenue, King George's Building  
 Singapore 208572

Telephone No: 6735 6255.

Fax No: 6392 5330

Email: secretariat@ssss.org.sg