

## The Sengkang General and Community Hospitals



Fast Flow proudly presents The Sengkang General and Community Hospitals as one of its huge project achievements in 2015. Fast Flow Singapore undertook the full construction of the project from design, supply and installation of the rainwater management system for this mega health complex development.

This 228,000 square-metre project comprises of three towers namely; Community Hospital, General Hospital and Specialist Outpatient Clinic. The project embraces green features as it is designed to promote sustainability. It is well equipped with a rainwater collection tank in the basement of the Community Hospital to collect rainwater for watering plants.

Fast Flow was able to understand the complexity of the building profile. One of the challenges that Fast Flow faced was the location of the pipes, as beam penetration was not allowed in order to keep the structural integrity. The project utilizes both Fast Flow Siphonic and Pressurised systems to drain a total catchment area of 49,000 sqm. The combination of both systems (Hybrid Solution) provided a customisable solution for a building design that involved high tech medical facilities. It brings forth flexible pipe work configuration for design freedom.

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## Oecusse International Airport



Source: WIKA Oecusse

With the help of our licensed distributor (PT. Siphonic Flow Mandiri) Fast Flow was appointed by PT Wijaya Karya (persero) Tbk - Overseas Department to provide rainwater management solution for the main terminal of Oecusse International Airport on 4<sup>th</sup> July 2018.

Located at Pante Macassar, Timor-Leste; the development did not come with a complicated roof design. However, it was a challenge for Fast Flow Design team as the building structure was already complete and the underground pipes were already installed when the project was awarded to Fast Flow. The design of rainwater downpipe routes and sizes had to be based on the underground pipe size, which was no larger than Ø150mm pipe.

The team came up with a rainwater solution design that suits the as-built drawings and conditions without causing a major damage in the building's structure and foundation. Fast Flow utilized its unique design capabilities, coupled with the exclusive rainwater outlets ranging from Primo™ to Arteco™ series to capture all 7,653 sqm of roof area of the project.

Fast Flow siphonic system was completely installed in the Oecusse project in September 2018. The solution that we are applying in Oecusse Airport showcases several advantages and benefits of using Fast Flow Siphonic System. With intelligent planning; our customized solutions match the project's unique requirements.

## Fast Flow Introduces the PARCO 75



Now in its forth Fast Flow Connect edition in 2018, Fast Flow is pleased to introduce the new face of its carpark outlet; Parco 75 siphonic roof outlet. It is an enhanced version of Primo 75 HD. Featuring heelsafe (10mm) and ceramic coated aluminum alloy air baffle, the product is suitable for application on R.C. rooftop with vehicular traffic.

The Parco 75 load capacity is tested up to 150KN with design capacity\* of 20l/s (water depth 44mm) for grating flush with floor finish.

Fast Flow rainwater outlets are easy to handle and fix, and connect to all standard sizes of pipe work. Minimal routine maintenance is required to prevent blockage by leaves and other debris.

*\*Design capacity is subjected to the acceptable water depth on the roof top/plaza/carpark.*

## Fast Flow Newly Secured Projects

### Australia



Project name: Ovation Quarter  
Catchment area: 4,900 sqm



Project name: The Village Assisted Living - Coorparoo  
Catchment area: 1,060 sqm



Project name: UQ Gatton CEP (Central Energy Plant)  
Catchment area: 675 sqm

### Indonesia



Project name: New Yogyakarta International Airport  
Catchment area: 91,000 sqm



Project name: Al-Jabbar Mosque  
Catchment area: 7,600 sqm



Project name: Airport Learning Academy  
Catchment area: 1,800 sqm



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