

FAST FLOW KEEPING STATE TREASURE DRY

Helping Sarawak State Archive Building to achieve a risk free solution.

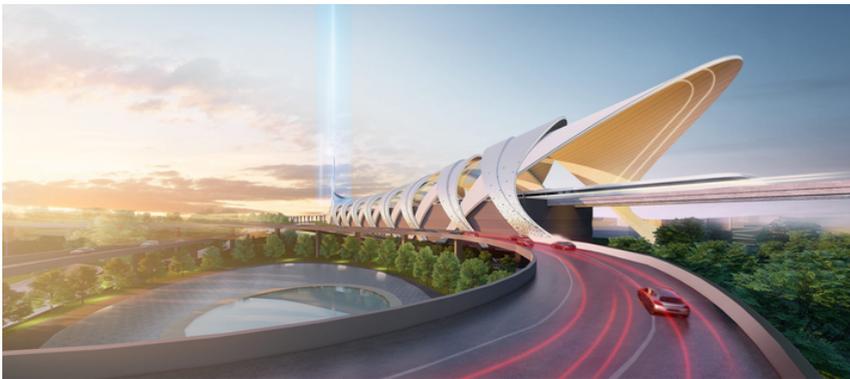
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THE TAILS OF TWO NATION (PART 1)

Fast Flow participated in the umbilical cord between Johor & Singapore.

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BIG TRUST FROM LAND TRANSPORT AUTHORITY

The latest depot in Singapore. [Read more...](#)



NEW EDITOR YVONNE YEE



It is both a great privilege and a great responsibility to be taking on the editorship of Fast Flows' Connect Newsletter. To our clients and friends, I look forward to bringing you diversity, knowledge and solutions to your rainwater drainage needs. I am excited to have been given the opportunity to help shape this vision for the future.

TO ALL DEVELOPERS...

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THE ONLY SIPHONIC SYSTEM

that can accommodate different materials in one system. [Read more...](#)



THE CHOICE OF SIPHONIC RAINWATER DRAINAGE SOLUTION

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- Office Location
- Distribution Office Location
- Ad Hoc Project Location

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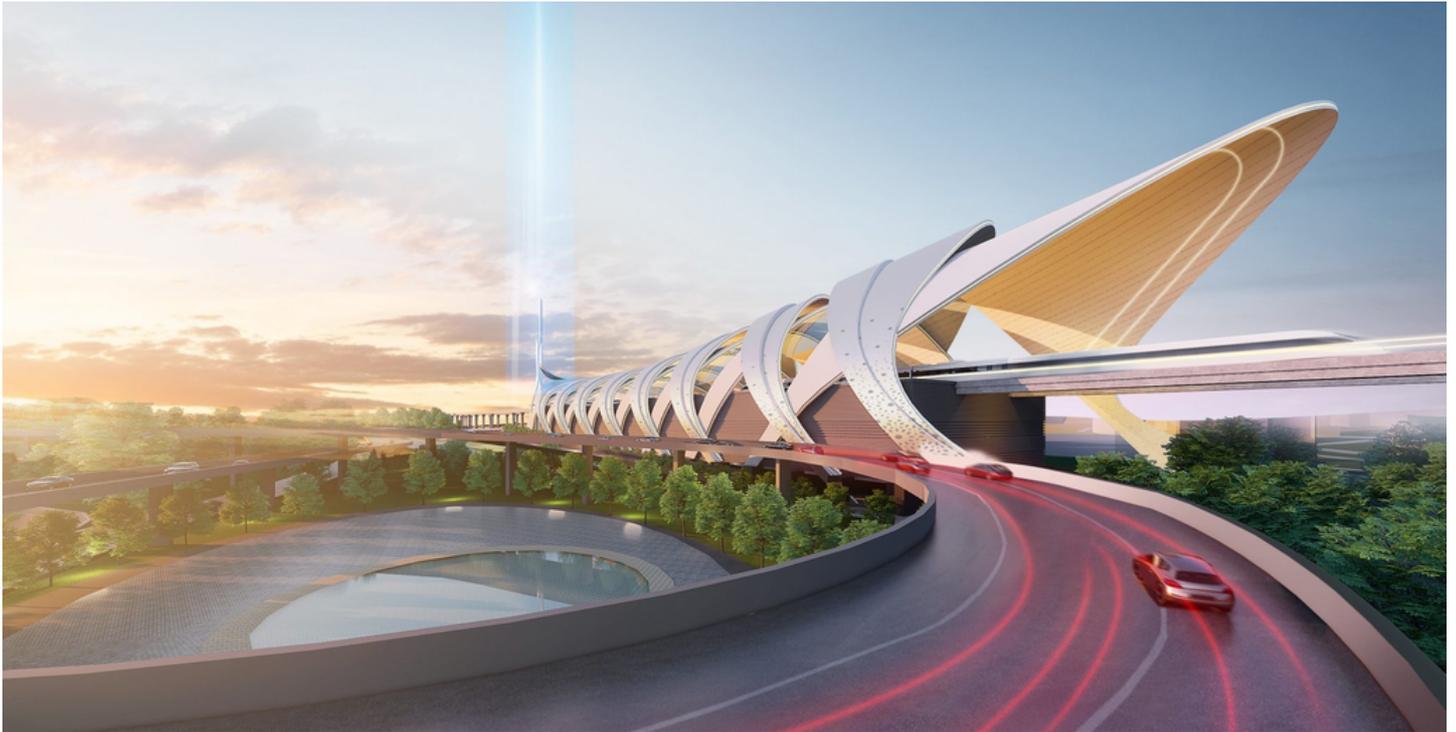


State Archive Building, Sarawak, Malaysia

The State Archive Building is a prestigious Sarawak government project in Kuching. This project has been integrated with the Siphonic systems on a 12,857 sqm metal roof area, with a design that strictly adheres to both MSMA and BS standards. Despite the challenging roof structure and also the limited discharge location allowed, we have successfully utilised our Fast Flow Solution Software to conduct precise calculations and accommodate the gutter size with PRIMO 150 outlets for the large main roof and PRIMO 75 outlets to smaller roof. Additionally, we were able to secure the project by offering the unique capability of routing long horizontal pipes below the gutter without any gradient to the nearest desired dropper locations and Rain Water Harvesting Tanks.

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Rapid Transit System (RTS), Johor, Malaysia

The RTS depot at Johor has implemented Siphonic systems on a 10,000 sqm metal roof area, with a comprehensive design that strictly adheres to both MSMA and BS standards. Despite the challenging roof structure, we have successfully utilised our Fast Flow Solution Software to conduct precise calculations and accommodate the shallow 200mm gutter depth with PRIMO 100 outlets through the use of a longer tailpipe. Additionally, we were able to secure the project by offering the unique capability of travelling 110m to specific discharge points without any gradient.

BIG TRUST FROM LAND TRANSPORT AUTHORITY

The latest depot in Singapore



Changi East Depot, Singapore

The 57-hectare Changi East Depot, located near Changi Exhibition Centre, will house the Operations Control Centre and provide stabling and maintenance facilities for 70 Cross Island Line (CRL) trains. Construction works for the Changi East Depot are expected to start in the second half of 2021 with completion slated for 2030. Draining the open to sky Composite Bondek Roofs and Reinforced Concrete Flat Roofs of Stabling 1, Stabling 2, Rolling Stack Workshop, Permanent Way Workshop and Admin Building via 190 nos. of siphonic stacks discharge to building drain / rainwater harvesting tank.

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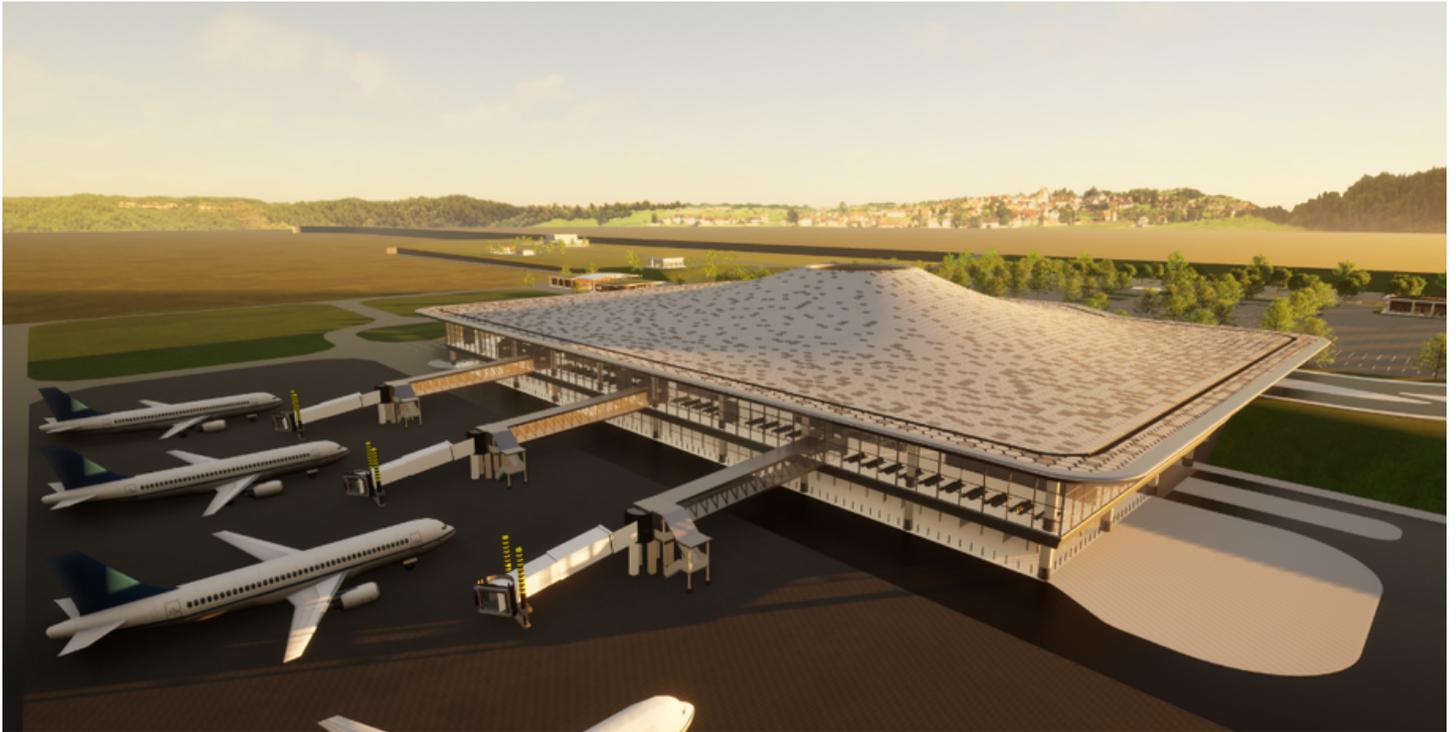


Mowbray Northcote, Australia

Working with Obsidian Plumbing (hydraulic contractor) and SJM (hydraulic engineers) we have managed to reduce the number of balcony downpipes by half, saving much time and coordination. Furthermore using the flexibility of the Pressurised system, in a hybrid solution we have connected the balcony downpipes to the roof allowing more freedom to the penthouse units with little horizontal pipework below the main roof deck increasing ceiling heights to penthouse suites. We have also been able to take advantage of the zero-gradient falls of the balcony and siphonic collector pipes casting into the podium deck which would not have been possible with conventional gravity systems and draining all to rainwater harvesting and detention tanks. Our longest cast-in run of pipe is over 100m.

THE ONLY SIPHONIC SYSTEM

that can accomodate different materials in one system.



Dhoho International Airport | Kediri

Fast Flow is uniquely able to use mixed materials including uPVC, Stainless Steel & HDPE. the DIA airport requested aesthetic approach with the vertical downpipes exposed stainless steel with HDPE underground to the Rain Water Tank to combat any potential ground movement.

The roofing façade was inspired by Kelud Mountain in East Java, Indonesia.

This project is privately owned by PT. Gudang Garam, one of the biggest tobacco producers in Indonesia, with high investment value for the region.

ANOTHER TRACK RECORD

with UOL & Singapore Land



AMO Residences, Singapore

Proudly developed by a joint venture of Singapore's most esteemed developers – UOL Group Limited, Singapore Land, and Kheng Leong Company. Siphonic systems draining the open to sky RC Flat Roofs of high rise Residential Blocks and wind - driven spaces (like PPVC balconies / lobbies / natural ventilated staircase landings) served by Fast Flows' Patented Pressurised drainage system with anti backflow fittings.