**Construction of Yogyakarta International Airport: The Most Powerful Ground Crew in Asia**

The first plane to land at the new Yogyakarta International Airport (YIA) on the Indonesian island of Java was an A320 from Jakarta. Eleven slipform pavers from Wirtgen played a key role in the airport’s construction. Once the YIA project has been completed, up to 20 million passengers will be able take off and land there each year. With a current terminal area of 130,000 m², the new airport is set to replace Adisutjipto Airport, which is struggling with capacity issues.

The tight schedule was a particular challenge of the large-scale project in Yogyakarta. Reliable solutions from one source were required if the concrete slabs were to be completed on time. And this is precisely what the Wirtgen Group sales and service company in Singapore promptly delivered, working in collaboration with the Indonesian Wirtgen Group dealer PT Gaya Makmur Tractors. This included the large fleet of machines required, but also technical support and on-site application consulting.

**Exceptional Quality Makes the Concrete Surfaces Stand Out**

A team of four SP 64 machines, six SP 500 machines, and one SP 84i machine formed the final line-up for the high-precision, cost-effective paving of the 3,250 m-long, 45 m-wide runway, its taxiways, and the apron.

The 50 cm-thick concrete layer was paved across a width of 2 m, 5 m, or 6 m, depending on the area involved. During the process, dowels, which were prepositioned on reinforcement cages spaced at transverse intervals of 30 cm, and a wire grid were integrated in the concrete as additional reinforcements.

“The quality of the concrete surfaces is excellent,” says Andek Prabowo, CEO of PT PP Presisi Tbk Group of PT PP (Persero) Tbk. The machines also excelled across the board in terms of their performance. “The airport is set to grow by another 65,000 m² during the second phase of construction. The landing runway will also be extended by another 350 m,” Prabowo explains. When the time comes, the fleet of Wirtgen slipform pavers will be ready for action.

Wirtgen – The Airport Construction Specialist

Wirtgen is the ideal technology and quality partner for airport construction, whatever the specifications or location involved. A seamless product range, the expertise of experienced applications experts, and reliable service throughout the world are key in this respect. Boasting a wide variety of applications, slipform pavers can tackle highly diverse requirements on the job site – anywhere in the world. For instance, they can easily produce concrete surfaces with a high degree of precision without using the fixed steel molds so often utilized at airports.

Photos:

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|  | **W\_photo\_Jobsite\_New-Yogyakarta-Airport\_00012\_PR**  11 concrete pavers from Wirtgen were responsible for the high-precision, cost-effective paving of the concrete surfaces at YIA. |
|  | **W\_photo\_Jobsite\_New-Yogyakarta-Airport\_00015\_PR**  Wirtgen slipform pavers are perfectly suited to a wide range of requirements, and are perfect for producing concrete surfaces with a high degree of precision without using the fixed steel molds so often utilized at airports. |
|  | **W\_photo\_Jobsite\_New-Yogyakarta-Airport\_00002\_PR**  Wirtgen’s high-precision slipform pavers can produce concrete corners with a 90° angle. |

*Please note: These photos are for preview purposes only. For printing in publications, please use the photographs in 300 dpi resolution that are available for download from the Wirtgen GmbH/Wirtgen Group websites.*

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