

# Airport 'smarts' face the test



With major construction ending early next year, there's another huge piece of work going on quietly behind the scenes – the testing and integration of WSI's airport technology.

Before we open, we have more than 70 technology systems to test, with around 175 separate integrations required across those systems – making sure everything comes together to safely support airport operations from day one.

WSI's Chief Technology Officer, Tom McCormack explains the huge bundle of work underway.

"From testing our Aircraft Management System through to our auto bag drops, our CCTV system to licence plate recognition cameras and parking management systems. There's also our PA and emergency radio systems and building management systems all being put to the test.

"With safety a priority, our program also takes in testing passenger and baggage screening systems, and our Advanced Visual Docking

Guidance System that helps guide aircraft to our gates. You name it, we're testing it," Tom said.

The program runs across three phases. System Integration and User Acceptance testing is already complete with the team's focus now turning to Site Wide Integration Testing (SWIT). As it suggests, SWIT integrates all the airport systems so we can test them on every day business processes - practical things like onboarding a new airport worker, or our team needing to change the gate for a flight. We're also very focused on testing the systems that we'll rely on during disruptions and adverse weather.

Tom believes that travellers will be impressed at how the technology will work within the airport's design to give them a smoother travel experience from beginning to end.

"It's been a huge effort so far by WSI's technology team and our partners. It's exciting to see what we're all part of building here in Western Sydney to make the customer journey a more enjoyable one," Tom added.

## TAKING OFF WITH WSI

WSI's *Taking Off* program is all about delivering opportunities for First Nations students in Sydney's west in years 10 to 12.

With our amazing program supporters, Department of Agriculture Fisheries and Forest, Australian Border Force, Australian Federal

Police, Qantas and our major construction partners, CPB ACCIONA, Multiplex and BMD Seymour Whyte, we've already seen more than 40 enthusiastic young people cycle through the pilot program. In its second year, it's helping increase their awareness of jobs across the airport and build work ready skills in a culturally safe and supportive environment.

Scan the QR code to learn more about Taking Off.



## CONSTRUCTION HOURS

**Standard construction hours:**  
Monday to Friday: 7am – 6pm  
Saturday 8am – 1pm

Our works are generally carried out within standard construction hours, however, there may be certain activities or unavoidable circumstances which will require out of hour works.

**Out of hours work** will continue for the length of the project due to impacts from wet weather. Ongoing and upcoming out of hours activities on the project include:

**Earthworks:**  
Monday to Friday: 5am - 8pm  
Saturday and Sunday: 6am - 6pm (where required)

**Runway and taxiway paving, including concrete works:**  
Monday to Friday: 5am - 8pm  
Saturday: 5am - 8pm (where required)  
Sunday: 6am - 6pm (where required)

**High Mast Lighting Commissioning:**  
Monday to Friday: 6pm – 12am

**Machinery maintenance:**  
Monday to Sunday: 5am - 12am

**Operation and maintenance of batch plants:**  
Monday to Saturday: 3am - 8pm

**Contact us**  
We will endeavour to minimise impact on the local community as best as possible. If you'd like to find out more about the construction of WSI Airport, or have any concerns you'd like to raise with us, please call our information line on 1800 972 972 or email us at [info@wsaco.com.au](mailto:info@wsaco.com.au)

If you are having difficulty understanding this document, please call the Translating and Interpreting Service (TIS) on 131 450 and ask them to contact WSA on 1800 972 972.

بالطو 131 450 مقررلا ىلع (TIS) في هفشلل او في طخل اةمجرتل اةمدخ ل لاصتال اى جري، تقى تاول ا هذ ههف ي ف بوعص لى دل تانك اذا 1800 972 972 مقررلا ىلع (WSA) ىندس برغ راطم ل لاصتال ا مهنم

यदा इस दस्तावेज़ को समझने में आपको कठिनाई हो रही है, तो कृपया अनुवाद एवं दुभाषिया सेवा (Translating and Interpreting Service) (TIS) को 131 450 पर फोन करें और उनसे WSA से 1800 972 972 पर संपर्क करने के लिए कहें।

如果您在理解本文件方面有困难, 请打电话131 450给翻译口译服务处 (TIS), 请他们打电话1800 972 972跟WSA联络。

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Nếu quý vị cần giúp đỡ để hiểu được tài liệu này, vui lòng gọi đến Dịch vụ Phiên dịch và Thông dịch (TIS) qua số 131 450 và yêu cầu họ liên lạc WSA qua số 1800 972 972.

[westernsydney.com.au](http://westernsydney.com.au)

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[flyWSA](https://twitter.com/flyWSA)

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[WesternSydneyInternational](https://www.youtube.com/WesternSydneyInternational)

**Installation of Jet Fuel Line at Fuel Farm:**  
Monday to Friday: 7am – 6pm  
Saturday: 1pm – 5pm  
Sundays and Public Holidays: 7am – 5pm

**Landscaping, trenching and conduit installation, apron works, including concrete paving, cutting and testing, material importation, oversized deliveries and removal of machinery, concrete saw cutting, asphalt/concrete production and placement:**  
Monday to Sunday: 24 hours

Other site-wide construction works, including various activities on the terminal, airside and landside sites, along with other minor works determined not to have any impact on the community will also be carried out Monday to Sunday over 24 hours.

## DECEMBER 2024

# Community Construction Update

Dear neighbour,

Construction of the new Western Sydney International (Nancy-Bird Walton) Airport (WSI) is forging ahead. Major construction ends in the first half of 2025 and we're on track to open as a 24-hour airport to international, domestic and cargo services in late 2026.

We saw another major milestone in early October, with a small aircraft (pictured) doing flight testing to help commission our 3000 Aeronautical Ground Lights installed in the runway and taxiways. The aircraft conducted flight checks in daylight, dusk/twilight, and at night, taking off and landing from both ends of the runway.



Western Sydney International Airport

# The latest

## END OF YEAR COMMUNITY BBQ

WSI welcomed our local community to the WSI Experience Centre last week for our end of year Community BBQ. The event was a small way for WSI to acknowledge the patience and support from our neighbours as we continued building through 2024.



Camden Rotary fired up the BBQ to feed the crowd, with a selection of hot drinks, ice cream and slushies to go round. There was entertainment for all, with face painting, balloon twisting, First Nations activities and a chance for the kids to put in their order with Santa. Our team were busy in the theatre space updating on all the work going on to ready us to open. Thanks to everyone who came along.



## "ENORMOUS OPPORTUNITY"

WSI is a catalyst for Western Sydney's rapid and exciting transformation.

New opportunities will open up for manufacturers, builders and cafe owners to freight industries, transport and tourism operators and even museums. The positive impacts of our new 24/7 airport will be felt for generations.

Scan the QR code to hear from local businesses on the expected benefits WSI



## TAKE A RIDE WITH OUR DRONE

Sit back and enjoy VIP access across the entire airport precinct as our latest drone footage shows you our amazing progress.

From our landside car parks to the enormous cargo shed jumping out of the ground, the new M12 entry point and the Metro stations taking shape – we're looking more and more like the finished product every day.

Want to take a look at the exercise? Scan the QR code below!



## FUEL FARM EXERCISE

Working with NSW Police and Fire & Rescue NSW, we recently conducted a joint exercise simulating an emergency event at the Fuel Farm, along with a nearby mock grass fire. The exercise helped to test the readiness of the emergency management arrangements that are in place for our region. It involved around 10 responding emergency vehicles to the site. A huge thank you to our emergency service partners for collaborating with us on this event.





### LANDSIDE: DELIVERED BY AEROWEST - BMD AND SEYMOUR WHYTE CONSTRUCTIONS JOINT VENTURE

The Landside Civil and Building (LCB) package involves the design and construction of car parks, roads, bridges, utilities connections, landscaping and other facilities.

Over the past three months most of the street lights were installed across the site, with landscape planting and bio-retention works nearing completion. Bridge works are complete for access to long term and staff car parks.

Installing the final layer of asphalt on all roads has commenced, along with installation of street signs, line marking and covered car park structures. Fibre optic installation has started, along with the shared path and testing and commissioning works for the Water Complex. Works continued on the install of communications and CCTV equipment, and works are ongoing working with Border Agency Services on their facilities.

Over the next three months, they'll finish the landscaping and installation of road barriers, guard fencing, roadside signs, guide posts, seating and bus shelters, and connect the Main Access Road to the M12 and install a final layer of asphalt. The Airport's Operations Control Centre, Maintenance and Waste facilities, main access gate and the Taxi Holding Facility will also be completed.

### CARGO PRECINCT: DELIVERED BY CPB ACCIONA JOINT VENTURE

The Cargo Works Package (CW1) includes the design and construction of purpose-built cargo facilities, aircraft pavements, airside roads, truck staging areas, carparking, lighting and service facilities.

Over the past three months, our contractor has commenced bulk earthworks and the installation of stormwater drainage, roofing and underground utilities. They have continued steel frame erection, and aeronautical ground light installation on the cargo taxiways, along with completing all footings and foundation works.

Over the next three months, they will complete the steel structure, installation of aeronautical ground light conduit and commence internal warehouse concrete slabs.



### AIRSIDE: DELIVERED BY CPB ACCIONA JOINT VENTURE

The Airside Civil and Pavements (ACP) package includes building the runway, taxiways, airside access roads, high voltage electrical infrastructure, aeronautical ground lights, high intensity approach lights and aeronautical lighting and equipment rooms.

Over the past three months, our contractor successfully coordinated the first operational flight test on our runway, marking a significant milestone in the airport's operational readiness. Our contractor has also completed landscaping works, which has allowed us to watch the site turn from brown to green! Construction of the new terminal connector road has also started which will provide access between the terminal and the cargo facility.

In the next three months, we will continue earthworks, commence jet fuel line installation, and complete the final stretch of the airside security fence.



### TERMINAL: DELIVERED BY MULTIPLEX

The Terminal and Specialty Services (TSS) package includes the delivery of the main airport terminal, apron and airport facilities to accommodate up to 10 million annual passengers.

Over the next three months, our contractor will continue the installation of all wayfinding signage throughout the terminal, installation of furniture, and continue commissioning of all elevators, escalators and travellers.

They will complete all seven fixed-link bridges (FLBs) which facilitate passenger boarding and/or deboarding, along with the interiors of all 13 aerobridges which link the FLBs and the aircraft. Internal feature ceiling and architectural features, car parks and line marking, as well as landscaping will also be completed.

### Take a closer look before take-off

There's plenty to discover about WSI before it's time to fly. Our WSI Experience Centre invites you to take in the view of the future airfield – while interactive stations share more of the story.

We are located at 100 Eaton Road, Luddenham. Our public hours of operation are:

- Monday - Wednesday: 10am to 4pm
- Thursday & Friday: closed
- Saturday - Sunday: 10am to 4pm
- Public holidays: closed

It's not every day you get to see a new airport take shape. Scan the QR code below to subscribe to Your WSI - where you'll get updates and the chance to win experiences.

