

Q3 2021 RLB CRANE INDEX® HIGHLIGHTS:

- An additional 27 cranes seen across Australia bring total crane numbers to 718. Up from 691 in Q1 2021
- The RLB Crane Index® rose to 169 from 162
- The Non-Residential Index records the highest value of 142 since commencement of the index
- The Residential Index rose for the first time in five editions
- Brisbane, Canberra, Perth, and Sydney record strong growth in crane numbers
- All sectors except for residential and retail are record highs across the country.
- Queen's Wharf in Brisbane continues to be the project with the greatest number of cranes in Australia (nine)

Q3 2021 RLB CRANE INDEX® SUMMARY:

CITIES	KEY SECTORS
ADELAIDE	CIVIC
BRISBANE	CIVIL
CANBERRA	COMMERCIAL
CENTRAL COAST	EDUCATION
DARWIN	HEALTH
GOLD COAST	HOTEL
HOBART	MIXED USE
MELBOURNE	RECREATION
NEWCASTLE	RESIDENTIAL
PERTH	RETAIL
SUNSHINE COAST	
SYDNEY	
WOLLONGONG	

LEGEND



AUSTRALIA

The past six months has seen the country slowly accelerate towards a post Covid 'normal'. Even with differing levels of lockdowns and business closures across the commonwealth, most regions, except for Melbourne and the Sunshine Coast, saw crane numbers increase.

The federal government's stimulus measures have assisted the economy but the impact on construction continues to see the industry operate at two speeds. Residential detached housing, assisted by both federal and state incentives, appears to be travelling at breakneck speed and does not appear to have suffered from any Covid hangover at this stage. The residential sector has seen a large increase of 23 crane numbers in this edition. Government sponsored civil projects continue to expand across the nation while health and recreation projects also have grown in this edition.

Multi-storey residential developments have recovered from their fourth consecutive fall in the last edition, mirroring the rise in building approvals and work done in this subsector during FY 2021. The industries hit hardest by the lockdowns in 2020 and 2021, namely tourism, retail and commercial, all recorded falls in crane numbers.

Construction work done for FY 2021 was down 0.6% across Australia representing \$1.3B. Total residential work done was up 2.1% or \$1.5B. Non-residential activity was down by 5.4% or \$2.7B while engineering activity was down by 0.2% or \$191M.

Strong growth in approval levels through FY 2021 saw a 15% lift in the total value of approvals across the nation. Multi-level apartments (+6%), houses (+40%), health (+12%), all contributed to this increase from the lows in FY 2019 and 2020.

Crane numbers across all sectors rose by 27 or 3.9% reaching 718, up from 691 in Q1 2021. The RLB Crane Index® which peaked in Q3 2019 at 178 is 169 currently.

The non-residential index maintained its rising level to record a rise from 237 in Q1 2021 to 241, a 2% increase. representing a lift of 4 cranes. This index result is the highest since the inception of the index.

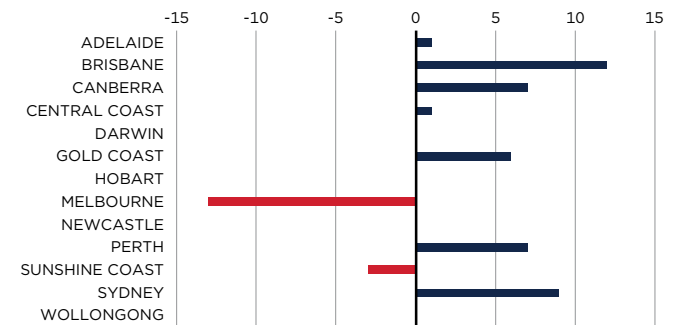
The civil sector saw the biggest rise with an additional 10 cranes. The civic (1), health (9), mixed use / other (3) and recreation (2) sectors all recorded increases in crane numbers. Residential cranes rose by 23 cranes or 5.5% to now number 441 or 61.4% of all cranes around the country.

Since our last edition, 329 cranes were added to our skylines and 302 removed.

Brisbane again recorded the biggest increase in crane numbers of 12 to now total 83 cranes. Melbourne which continues to endure the longest and strictest lockdown of all cities across the globe fell by 13 cranes. Sydney (9), Perth (7) and Canberra (7) all recorded strong increases.

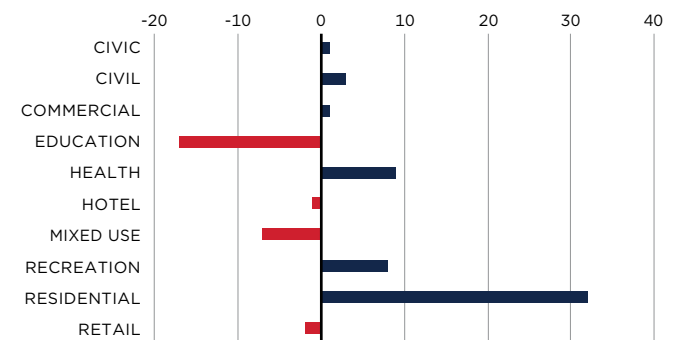
AUSTRALIA NET CRANE MOVEMENT BY CITY

NUMBER OF CRANES REMOVED / ADDED



AUSTRALIA NET CRANE MOVEMENT BY SECTOR

NUMBER OF CRANES REMOVED / ADDED



CRANE ACTIVITY - AUSTRALIA BY KEY CITIES

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
ADELAIDE	10	1.4%	6	-5	1	11	1.5%
BRISBANE	71	10.3%	47	-35	12	83	11.6%
CANBERRA	26	3.8%	14	-7	7	33	4.6%
CENTRAL COAST	9	1.3%	3	-2	1	10	1.4%
DARWIN	0	0.0%	0	0	0	0	0.0%
GOLD COAST	29	4.2%	23	-17	6	35	4.9%
HOBART	0	0.0%	0	0	0	0	0.0%
MELBOURNE	193	27.9%	79	-92	-13	180	25.1%
NEWCASTLE	9	1.3%	5	-5	0	9	1.3%
PERTH	30	4.3%	24	-17	7	37	5.2%
SUNSHINE COAST	16	2.3%	5	-8	-3	13	1.8%
SYDNEY	286	41.4%	116	-107	9	295	41.1%
WOLLONGONG	12	1.7%	7	-7	0	12	1.7%
TOTAL	691	100.0%	329	-302	27	718	100.0%

CRANE ACTIVITY - AUSTRALIA BY SECTOR

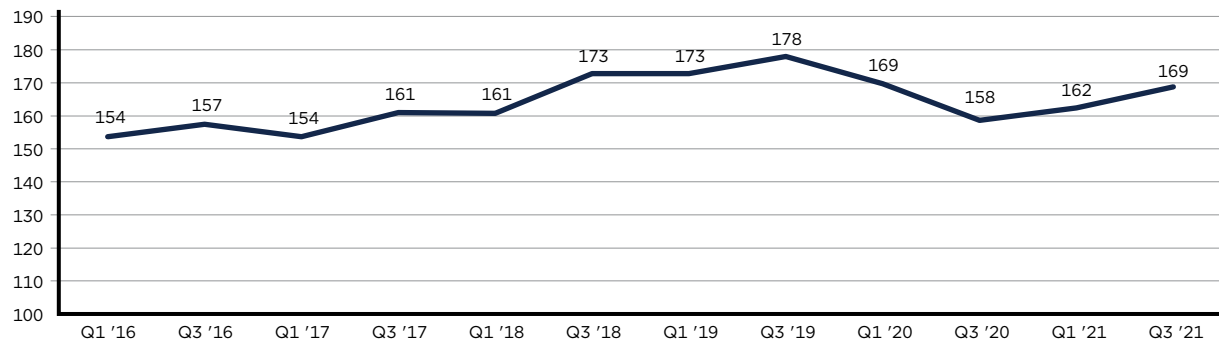
	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	18	2.6%	5	-4	1	19	2.6%
CIVIL	31	4.5%	19	-9	10	41	5.7%
COMMERCIAL	69	10.0%	30	-31	-1	68	9.5%
EDUCATION	38	5.5%	10	-26	-16	22	3.1%
HEALTH	25	3.6%	20	-11	9	34	4.7%
HOTEL	13	1.9%	4	-6	-2	11	1.5%
MIXED USE	70	10.1%	25	-22	3	73	10.2%
RECREATION	6	0.9%	2	0	2	8	1.1%
RESIDENTIAL	418	60.5%	214	-191	23	441	61.4%
RETAIL	3	0.4%	0	-2	-2	1	0.1%
TOTAL	691	100.0%	329	-302	27	718	100.0%

AUSTRALIA

RLB CRANE INDEX®

The RLB Crane Index® rose in this edition to 169. This rise represents an increase of 3.9% or 27 cranes.

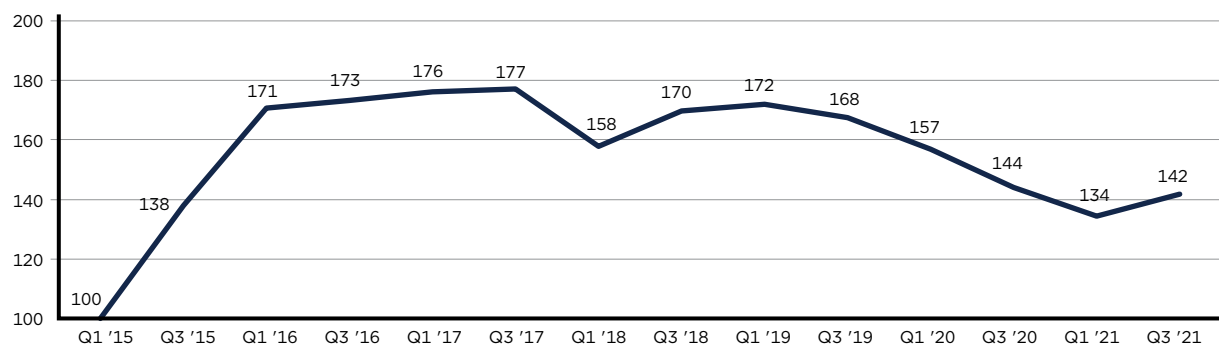
BASE: Q1 2015 = 100



RESIDENTIAL AUSTRALIAN INDEX

The residential index representing the number of cranes on residential projects across the country rose for the first time since Q1 2019 to 142, up 6% from Q1 2021 and 20% from the high in Q3 2017.

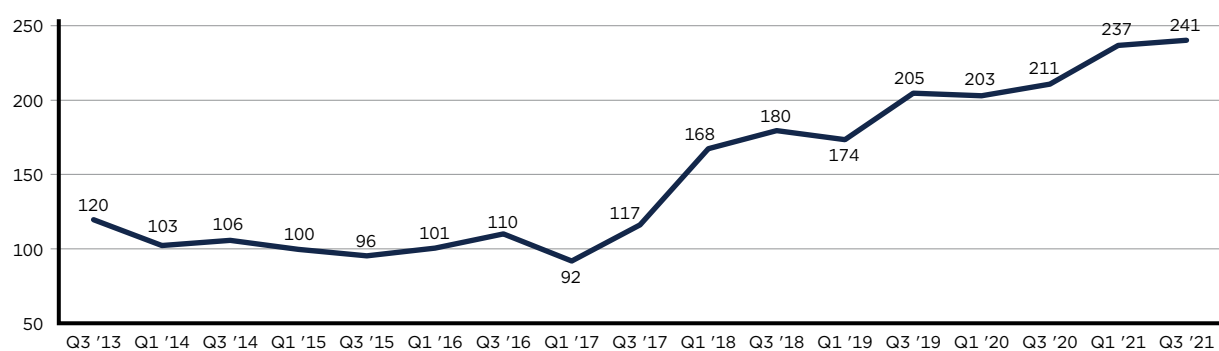
BASE: Q1 2015 = 100



NON-RESIDENTIAL SECTORS CRANE INDEX

Strong growth in cranes on non-residential projects is continuing across the country. The current level of 241 is the highest the index has achieved since the commencement of the index in 2013.

BASE: Q1 2015 = 100



ADELAIDE

Adelaide's RLB Crane Index® rose slightly to reach 183, remaining significantly lower than the high of 317 in Q3 2019. The index represented 11 cranes across the city, a net addition of one crane. A total of six new cranes were erected and five were removed since the last edition.

Construction activity during FY 2021 saw a 4.3% rise (\$534M) across all main sectors. Work done in the engineering sector saw a rise of \$147M or 2.4%. Residential activity rose by 4.7% or \$164M and non-residential work done was up by 8.2% or \$223M.

Building approval growth has continued over the past two financial years reflecting positive forward sentiments for the industry. Building approvals increased 19.1% (\$1.2B) in the FY 2021 compared to FY 2020. Approvals were predominantly seen in new houses, up 46% or \$1B, offset by apartment approvals down by 51% to \$228M. Total residential approvals were up by 23% and non-residential up by 16% or \$500M. Strong residential approvals have continued into the first two months of FY 2022 with approval values increasing by 54% over the same period in FY 2021. Non-residential approvals for the same period have dropped off by 51%, with a significant fall in the value of education projects.

The previous largest project by crane count in the state, the Adelaide Festival Square Car Park, removed its remaining two civic cranes.

Within the commercial sector, The Cbus office development continues to have two cranes operating. A new project at 60 King William saw the addition of two new cranes and one crane was removed at 21 North Terrace, bring the total number of cranes to five within the sector, an increase of one.

Cranes have been added to hotel developments for the first time since Q3 201. The sector has bounced back with one crane each at the Vibe Hotel and Tryp Hotel developments.

Residential cranes remain at five with two cranes removed at Hyde Park Place and Two Four Six apartments in Unley Rd. New cranes are on projects at Botten & Bowser and the Adelphi in Glenelg. Cranes remain at GSA Student Accommodation, 269 North Terrace and Brougham Apartments.

KEY SECTORS

CIVIC	
COMMERCIAL	
HOTEL	
RESIDENTIAL	

OVERALL STATUS

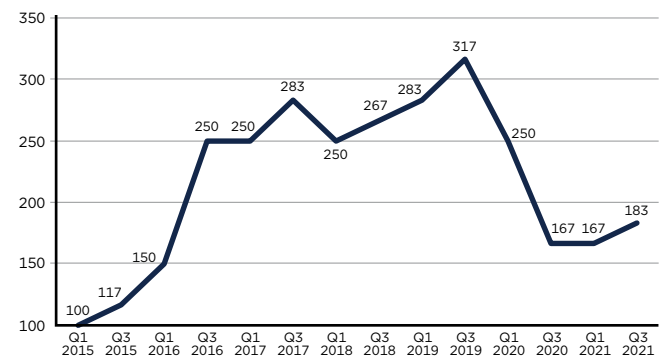


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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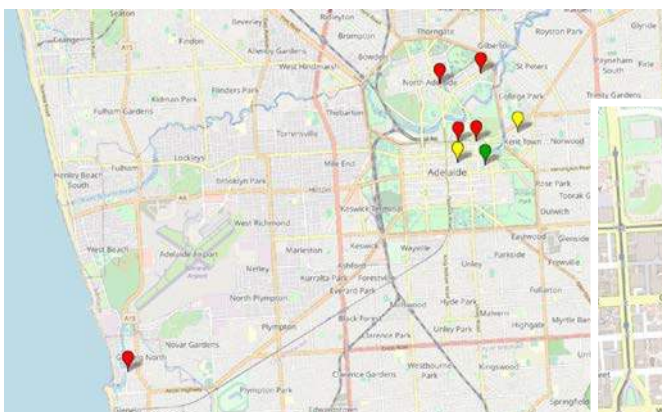
RLB CRANE INDEX® - ADELAIDE

BASE: Q1 2015 = 100



CRANE ACTIVITY - ADELAIDE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	2	20.0%	0	-2	-2	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	3	30.0%	2	-1	1	4	36.4%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	2	0	2	2	18.2%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	5	50.0%	2	-2	0	5	45.5%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	10	100.0%	6	-5	1	11	100.0%



Market Sector
Commercial
Residential
Health
Education
Retail
Civic
Recreation
Hotel
Civil
Mixed Use / Other

BRISBANE

Brisbane's Crane Index has experienced its second consecutive increase for the first time since the commencement of the index. The index jumped from 97 to 114 for this edition. A total of 47 cranes have been added and 35 removed, which has resulted in a total of 83 cranes active across the Brisbane area.

Across South East Queensland, crane numbers have increased by a total of 15 since our last count, with significant increases in both residential and civil projects. The rise in residential cranes across Brisbane and the Gold and Sunshine Coasts reflects the strengthening residential market across SEQ.

Despite construction work done decreasing for the third consecutive year, dropping by another 2.5% or \$1B, in FY 2021. Residential work done was up by 6.7% or \$806M, non-residential down by 7.3% or \$607M and engineering work done fell by 6% or \$1.2B.

Queensland, however, should see a strong pipeline of activity over the next few years with a strong increase in building approvals of 14% for FY 2021, the first Y-o-Y increase in the past 5 financial years. Residential approvals increased 43%, with all forms of dwelling types seeing strong increases. The apartment sector saw a rise of 43% or \$4B over FY 2020 values. Despite the strong residential growth, non-residential approvals have dropped 16% with falls in the entertainment/recreation, health, offices, and education sectors.

The largest project in the region, and the largest in the country, the development at Queens Wharf has nine cranes continuing to assist the construction activities. This site accounts for 11% of all the cranes in Brisbane.

Residential cranes remain the largest sector in Brisbane, accounting for almost 47% or 39 of the cranes across Brisbane followed by the mixed-use sector (largely through the Queens Wharf development) with 18 cranes.

KEY SECTORS

CIVIL	
COMMERCIAL	
EDUCATION	
HEALTH	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

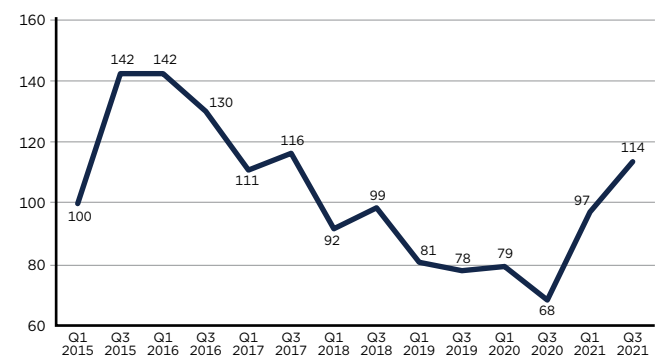


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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RLB CRANE INDEX® - BRISBANE

BASE: Q1 2015 = 100



CRANE ACTIVITY - BRISBANE

	OPENING COUNT Q1 2021	%	MOVEMENT + - NET	CLOSING COUNT Q3 2021	%
CIVIC	0	0.0%	0 0 0	0	0.0%
CIVIL	5	7.0%	10 -2 8	13	15.7%
COMMERCIAL	2	2.8%	4 -1 3	5	6.0%
EDUCATION	7	9.9%	4 -6 -2	5	6.0%
HEALTH	2	2.8%	3 -2 1	3	3.6%
HOTEL	0	0.0%	0 0 0	0	0.0%
MIXED USE	21	29.6%	4 -7 -3	18	21.7%
RECREATION	0	0.0%	0 0 0	0	0.0%
RESIDENTIAL	34	47.9%	22 -17 5	39	47.0%
RETAIL	0	0.0%	0 0 0	0	0.0%
TOTAL	71	100.0%	47 -35 12	83	100.0%

TOTAL SOUTH EAST QUEENSLAND	Q1 2020	Q3 2020	Q1 2021	Q3 2021
CIVIC	0	0	1	1
CIVIL	8	0	5	13
COMMERCIAL	12	9	4	6
EDUCATION	7	3	7	5
HEALTH	2	4	2	3
HOTEL	2	1	1	1
MIXED USE	18	18	21	20
RECREATION	0	0	0	0
RESIDENTIAL	53	64	75	82
RETAIL	0	0	0	0
TOTAL	102	99	116	131

BRISBANE

Within mixed-use developments, seven cranes were removed from projects at Ecoscience Precinct (2) and single cranes at Stones Corner Village, Montague Markets, James St – Fortitude Valley, Mobo and The Standard – Fish Lane, both in South Brisbane. New cranes were erected at Long Island Brisbane in Newstead (2) and Thomas Dixon Centre - QLD Ballet at 406 Montague Rd.

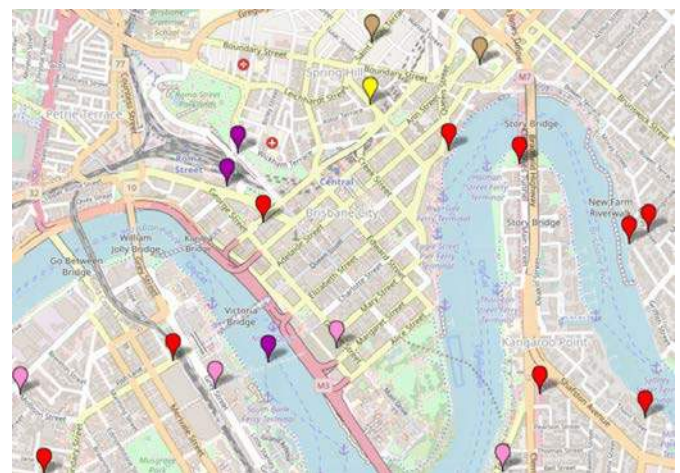
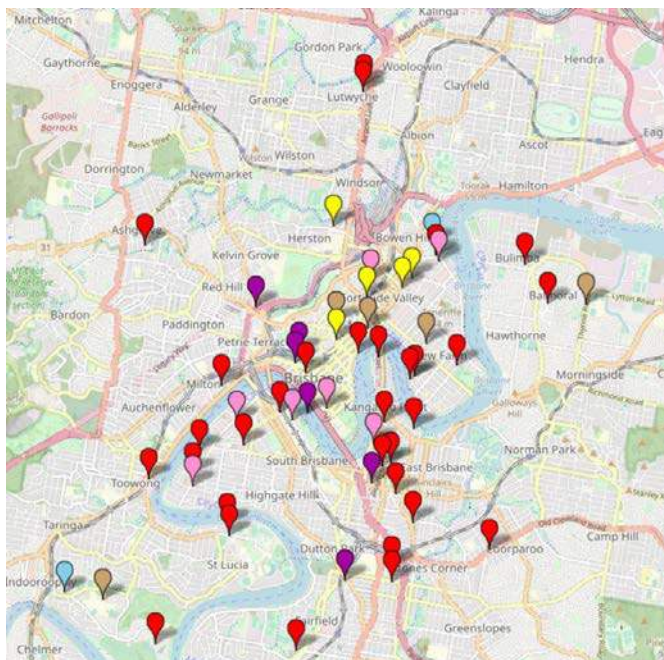
In contrast, the civil sector has seen the strongest net increase with an additional eight cranes across the city. New cranes were erected at Neville Bonner Bridge (3) and various Cross River Rail sites across the city (7 new cranes across five sites). Civil cranes were removed from Walter Taylor Bridge and Brisbane Metro in Grey Street.

Residential cranes have increased to 39, up by five cranes for this edition. Twenty-two cranes were erected with 17 removed. New developments commencing with cranes were seen in Balmoral, Bulimba, East Brisbane, Kangaroo Point (2), Lutwyche (2), Milton, New Farm (3), St Lucia, Toowong, West End (3) and Woolloongabba (2).

CRANE ACTIVITY - BRISBANE REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CBD & SURROUNDS	39	54.9%	28	-13	15	54	65.1%
EAST	7	9.9%	2	-7	-5	2	2.4%
NORTH	9	12.7%	9	-6	3	12	14.5%
SOUTH	8	11.3%	2	-4	-2	6	7.2%
WEST	8	11.3%	6	-5	1	9	10.8%
TOTAL	71	100.0%	47	-35	12	83	100.0%

CBD & SURROUNDS	Q1 2021	Q3 2021
CIVIC	0	0
CIVIL	3	10
COMMERCIAL	2	3
EDUCATION	2	3
HEALTH	0	0
HOTEL	0	0
MIXED USE	18	16
RECREATION	0	0
RESIDENTIAL	14	22
RETAIL	0	0
TOTAL	39	54

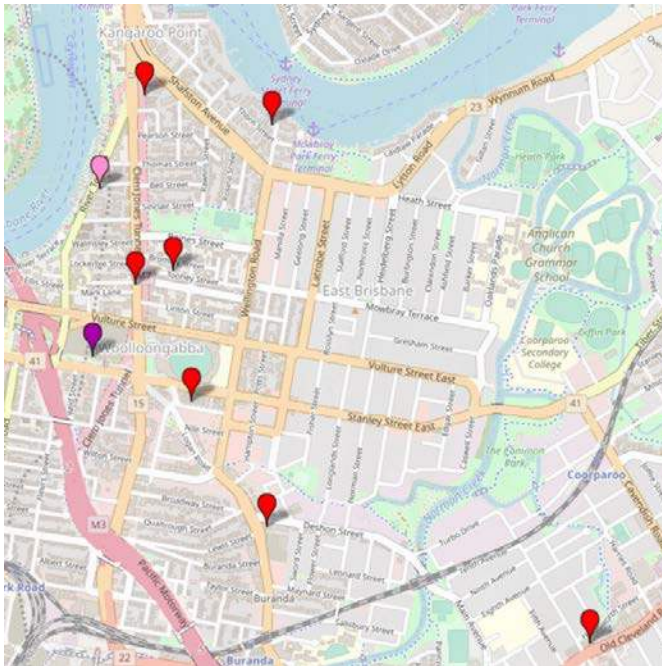


Inner Brisbane continues to have most cranes located across the city area with 65%. This has seen a rise from the last count where the inner city held 55% of cranes. A total of 13 cranes were removed, and 28 added, for a net increase of 15 cranes. Queens Wharf's nine cranes remains the largest project within the region, with 17% of all cranes within Inner Brisbane allocated to this project.

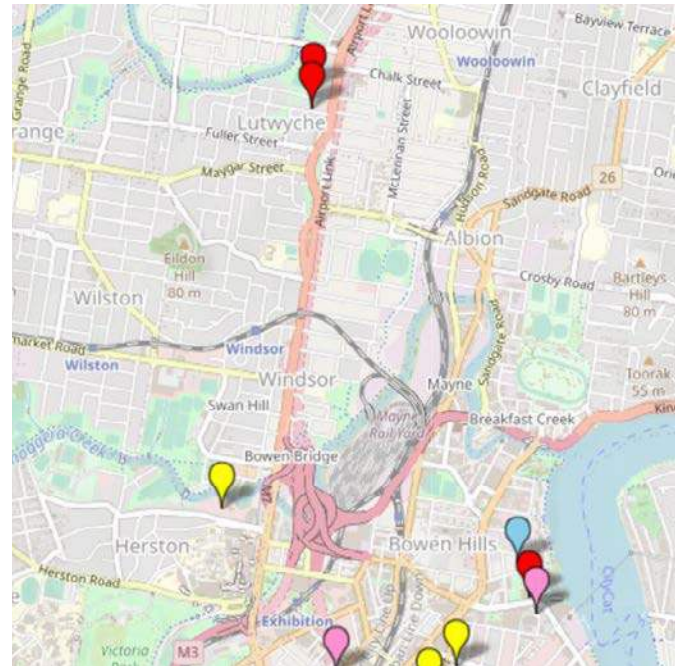
BRISBANE

BRISBANE EAST	Q1 2021	Q3 2021
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	0
EDUCATION	0	1
HEALTH	0	0
HOTEL	0	0
MIXED USE	1	0
RECREATION	0	0
RESIDENTIAL	6	1
RETAIL	0	0
TOTAL	7	2

BRISBANE NORTH	Q1 2021	Q3 2021
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	2
EDUCATION	1	0
HEALTH	2	2
HOTEL	0	0
MIXED USE	0	2
RECREATION	0	0
RESIDENTIAL	6	6
RETAIL	0	0
TOTAL	9	12



The east's decrease of 5 cranes was the largest decrease in this edition across Brisbane. There are now only two cranes on sites in Balmoral. The east previously had seven cranes, but residential cranes have been removed from sites in Cannon Hill, Hawthorne, Norman Park, Seven Hills (2) and Stones Corner.

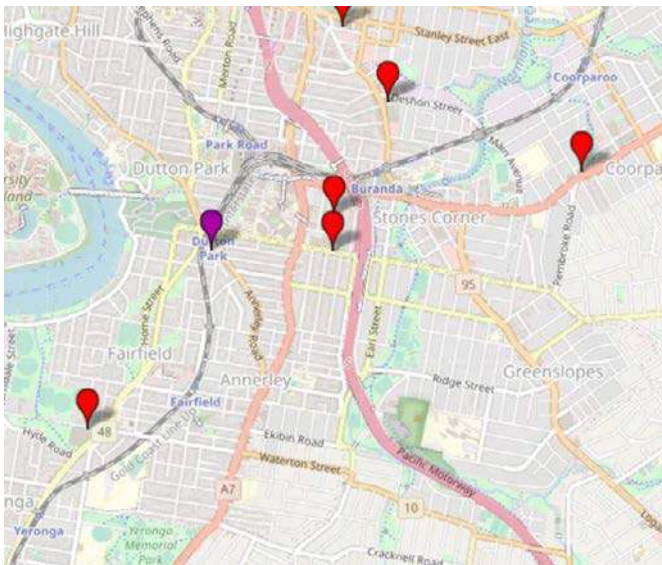


The north has increased by three cranes to now number twelve. Nine new cranes commenced and six removed. Currently cranes are in Newstead (7), Herston, Ashgrove, Herston, Windsor, and Bulimba.

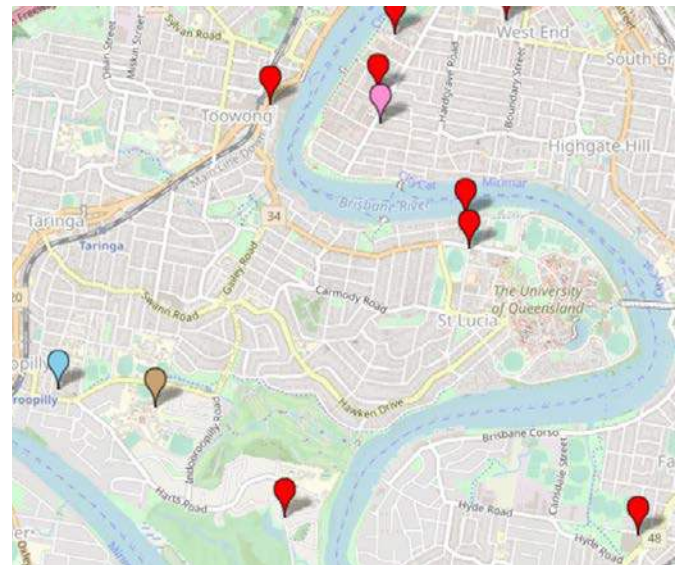
BRISBANE

BRISBANE SOUTH	Q1 2021	Q3 2021
CIVIC	0	0
CIVIL	1	3
COMMERCIAL	0	0
EDUCATION	2	0
HEALTH	0	0
HOTEL	0	0
MIXED USE	2	0
RECREATION	0	0
RESIDENTIAL	3	3
RETAIL	0	0
TOTAL	8	6

BRISBANE WEST	Q1 2021	Q3 2021
CIVIC	0	0
CIVIL	1	0
COMMERCIAL	0	0
EDUCATION	2	1
HEALTH	0	1
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	5	7
RETAIL	0	0
TOTAL	8	9



The south saw a net decrease of two cranes, with two additions and four removals. No new projects were recorded for this area as the two additional cranes were added to the Cross River Rail project in Dutton Park bringing a total of three cranes to this site. Two cranes each were removed from the Inner City South State Secondary College and the Ecoscience Precinct.



The west saw six additional commence and five removals, bringing the total cranes to nine. Developments with cranes are in Indooroopilly (4 cranes), Milton, St Lucia (3 cranes) and Toowong.

CANBERRA

Canberra's RLB Crane Index® recorded a value of 660 for this edition, the highest index value for the city. Crane numbers increased by seven from the last count to reach 33, with 7 removals and 14 additions. This is the highest number of cranes seen in Canberra since the crane index commenced in 2013.

The majority of the 14 additional cranes were added in the residential sector (9 cranes), while three new cranes at Hume 5 data centre and CEA Technologies development saw the mixed-use/ other sector now number 3 cranes. The civic and commercial sectors each saw a new crane within each sector.

The capital's construction activity reflects the positive building approval levels seen over FY 2021. The value of building approvals increased 19.4% on FY 2020.

Construction work done was down by 5.6% or \$218M from FY 2020 with residential activity down by 2.1%, non-residential down by 18% and engineering work done, offsetting some of this decline, with activity up by 3.2% from FY 2020 levels.

Notable sites with multiple cranes include ANU Student Accommodation (3), 25 Catalina Drive (2) and One City Hill (2).

The only project that saw multiple cranes removed was the Mulberry residential project (2).

KEY SECTORS

CIVIC	
COMMERCIAL	
EDUCATION	
HEALTH	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS



LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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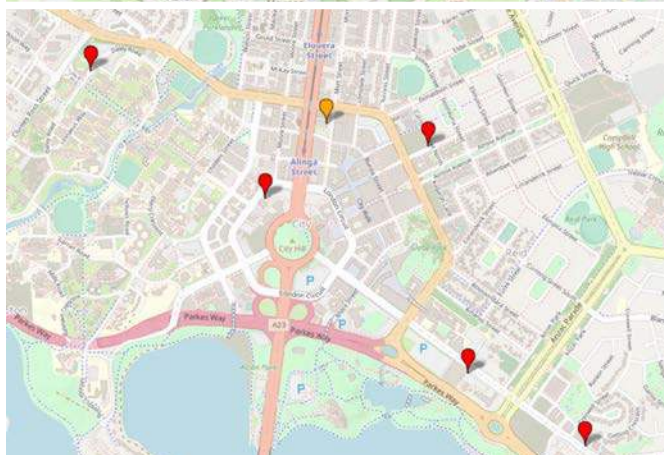
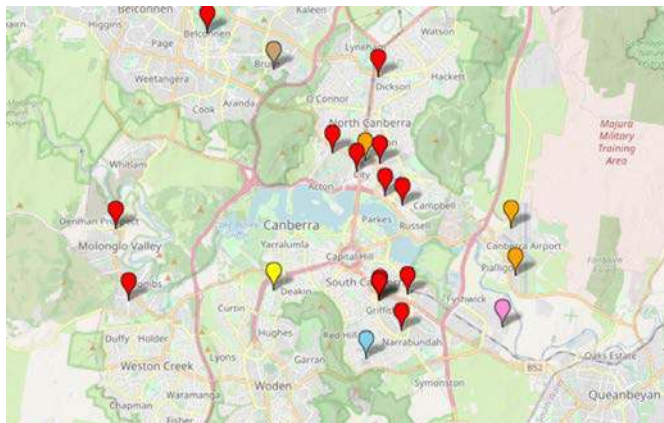
RLB CRANE INDEX® - CANBERRA

BASE: Q1 2015 = 100



CRANE ACTIVITY - CANBERRA

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	5	19.2%	1	0	1	6	18.2%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	0	0.0%	1	0	1	1	3.0%
EDUCATION	2	7.7%	0	-1	-1	1	3.0%
HEALTH	1	3.8%	0	0	0	1	3.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	3	0	3	3	9.1%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	18	69.2%	9	-6	3	21	63.6%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	26	100.0%	14	-7	7	33	100.0%



CENTRAL COAST

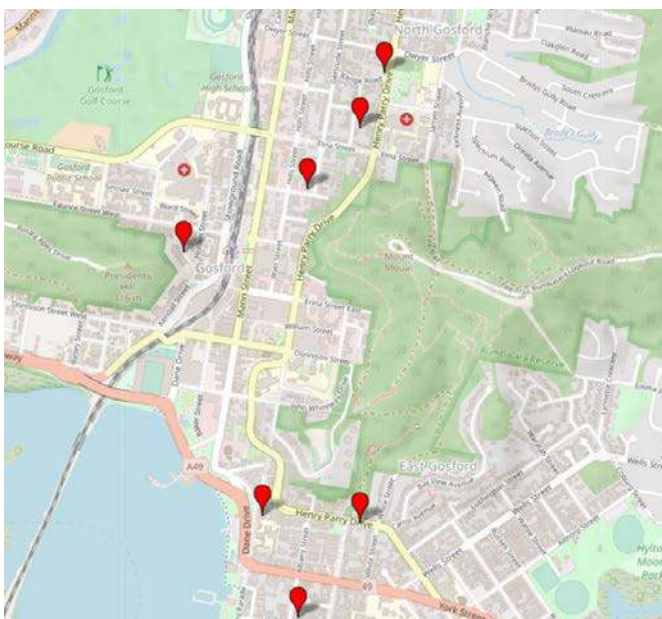
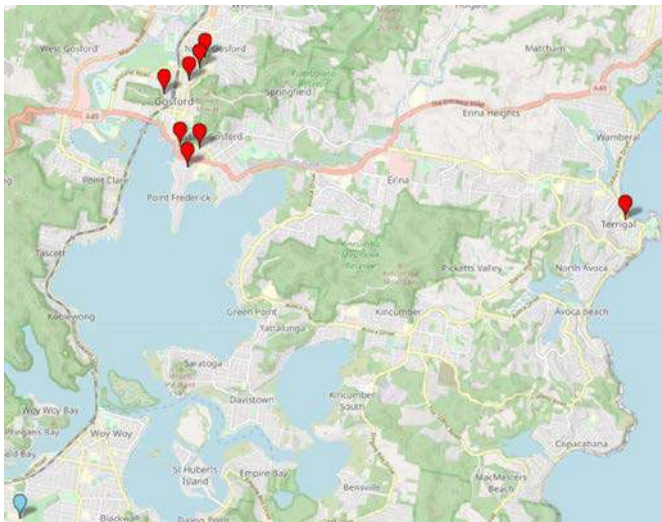
The RLB Crane Index® for the Central Coast has continued its recovery with a slight increase of one crane since the last edition. Despite this rise, the region is still 44% lower than its peak of 100 in Q3 2018.

Three cranes were added and two removed. Cranes now total ten across the region.

The residential sector remains the dominant sector and accounts for 90% of all cranes.

New cranes were recorded at 79 Henry Parry Drive (Gosford), 20-22 Range Road (North Gosford) and Everglades Retirement Gardens (Umina Beach).

Cranes removed include Compass Housing - Young Street (West Gosford) and Henry Parry Drive Boarding House (North Gosford).



KEY SECTORS

HEALTH



RESIDENTIAL



OVERALL STATUS



LEGEND



INCREASE
IN NUMBER
OF CRANES



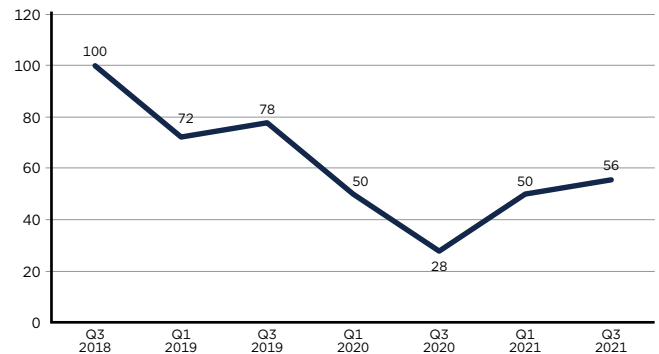
DECREASE
IN NUMBER
OF CRANES



CRANE
NUMBERS
STEADY

RLB CRANE INDEX® - CENTRAL COAST

BASE: Q3 2018 = 100



CRANE ACTIVITY - CENTRAL COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	1	0	1	1	10.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	9	100.0%	2	-2	0	9	90.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	9	100.0%	3	-2	1	10	100.0%

DARWIN

For the third consecutive edition there are no cranes in Darwin.

Despite this, a level of confidence is seen in the region with FY 2021 building approvals up by 145% from FY 2020. These approvals should flow into new projects assisting the recovery of building activity. The 94% increase in new house approvals and the 44% rise in total residential approvals provides some promising signs for the period ahead. Additionally, the rise of non-residential building approvals of 213% shows a promise of increased future crane activity in the region.

OVERALL STATUS

NA

LEGEND



INCREASE
IN NUMBER
OF CRANES



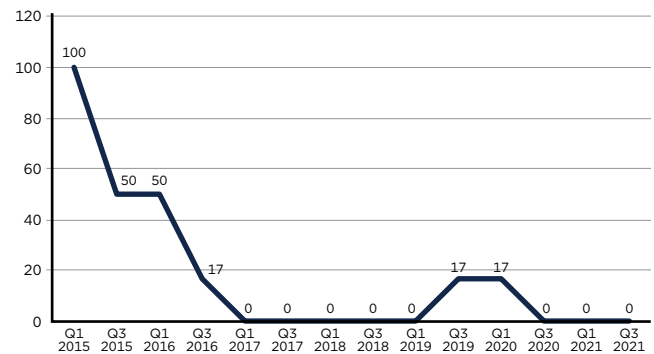
DECREASE
IN NUMBER
OF CRANES



CRANE
NUMBERS
STEADY

RLB CRANE INDEX® - DARWIN

BASE: Q1 2015 = 100



CRANE ACTIVITY - DARWIN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	0	0	0	0	0	0	0
CIVIL	0	0	0	0	0	0	0
COMMERCIAL	0	0	0	0	0	0	0
EDUCATION	0	0	0	0	0	0	0
HEALTH	0	0	0	0	0	0	0
HOTEL	0	0	0	0	0	0	0
MIXED USE	0	0	0	0	0	0	0
RECREATION	0	0	0	0	0	0	0
RESIDENTIAL	0	0	0	0	0	0	0
RETAIL	0	0	0	0	0	0	0
TOTAL	0	0.0%	0	0	0	0	0.0%

GOLD COAST

The Gold Coast RLB Crane Index® has increased to 233 compared to 193 seen last count. This is the region's highest index value since the inception of the index.

A total of 23 cranes were added and 17 cranes were removed bringing the coast's total to 35. The residential sector continues to dominate the region with more than 90% of all Gold Coast cranes. The other sectors with active cranes include commercial (1) and mixed-use (2).

The residential sector saw 21 new cranes placed on sites and 16 removed, bringing the sector's total to 32, an increase of 5 cranes from Q1 2021 edition.

New residential cranes include 49 George St (Southport), Allure (Surfers Paradise), DGC Stage 2 (Broadbeach), Infinity Tower (Broadbeach), One Palm Beach (Palm Beach), 345 Golden Four Drive (Tugun), Flow Residencies (Coolangatta), C444 Capital Court (Varsity Lakes), Brooke Residencies (Robina), Harbour Residencies at Anchorage (Hope Island), 24 Spendelove Avenue (Southport), Aurum Sands (Bilinga), Village Palm Beach (Palm Beach), The Waverly Residencies (Southport), Esperance Hope Island (Hope Island), The Lanes Residencies - stage 2 (Mermaid Waters), Vantage Burleigh Waters (Burleigh Waters) and Pearl (Main Beach).

The only commercial crane remains at Queens Street Village 1 & 2 (Southport). Cranes on mixed-use projects are at Star Casino/Hotel (Broadbeach) and Marine Quarter (Southport) respectively.

KEY SECTORS

COMMERCIAL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

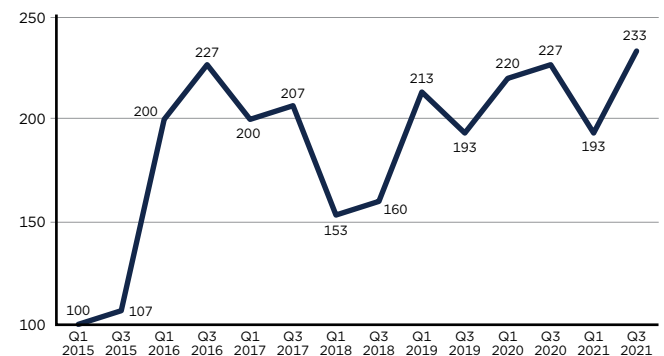


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
--	------------------------------	--	------------------------------	--	----------------------

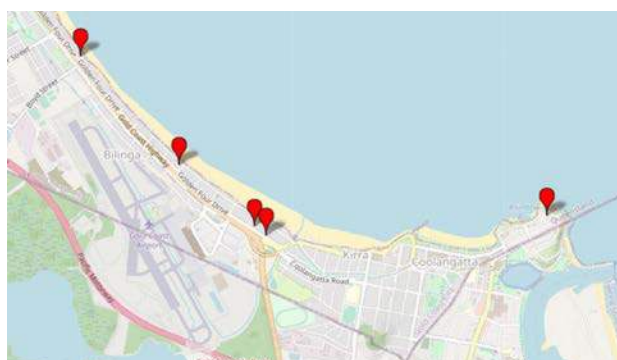
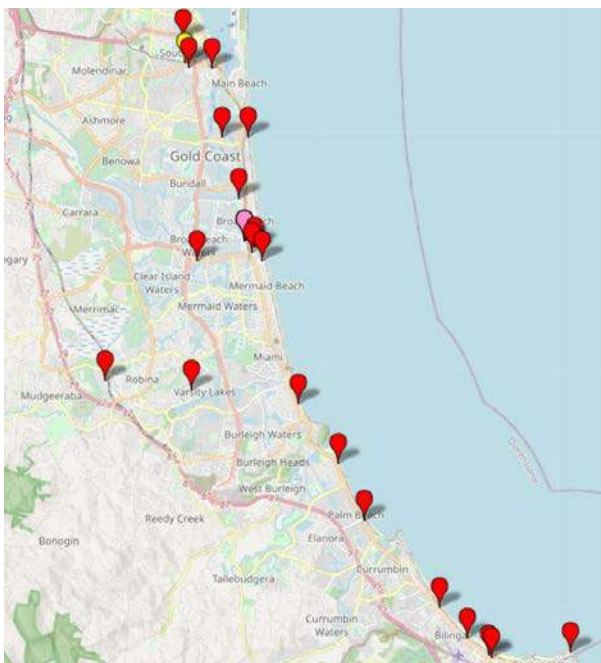
RLB CRANE INDEX® - GOLD COAST

BASE: Q1 2015 = 100



CRANE ACTIVITY - GOLD COAST

	OPENING COUNT Q1 2021		MOVEMENT			CLOSING COUNT Q3 2021	
		%	+	-	NET		%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	2	6.9%	0	-1	-1	1	2.9%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	2	0	2	2	5.7%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	27	93.1%	21	-16	5	32	91.4%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	29	100.0%	23	-17	6	35	100.0%



HOBART

There are no cranes in Hobart for the third consecutive count.

OVERALL STATUS

NA

LEGEND



INCREASE
IN NUMBER
OF CRANES



DECREASE
IN NUMBER
OF CRANES



CRANE
NUMBERS
STEADY

RLB CRANE INDEX® - HOBART

BASE: Q3 2016 = 100



CRANE ACTIVITY - HOBART

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	0	0	0	0	0	0	0
CIVIL	0	0	0	0	0	0	0
COMMERCIAL	0	0	0	0	0	0	0
EDUCATION	0	0	0	0	0	0	0
HEALTH	0	0	0	0	0	0	0
HOTEL	0	0	0	0	0	0	0
MIXED USE	0	0	0	0	0	0	0
RECREATION	0	0	0	0	0	0	0
RESIDENTIAL	0	0	0	0	0	0	0
RETAIL	0	0	0	0	0	0	0
TOTAL	0	0.0%	0	0	0	0	0.0%

MELBOURNE

Melbourne recorded a drop of almost 7% in the Q3 2021 RLB Crane Index®. The index now stands at 155, down from 166 in Q1 2021. This is the fourth drop in the past five editions since the index peak of 191 in Q1 2019.

Across Melbourne 79 cranes were added to projects and 92 were removed, bringing current crane numbers to 180, down from 193 cranes recorded in the Q1 2021.

The value of building approvals rose 1.1% in the FY 2021 compared to its previous 12-month period. Residential building approvals increased by 9.9%. This was largely seen in the new housing sector. In contrast, apartment approvals have decreased 32.5%, and is the lowest approval value for the past five financial years.

Non-residential approvals decreased by 10.6% in FY 2021, which is reflected in the decrease in the number of non-residential cranes within Melbourne. The health sector however, saw approval values up 74.6% which is reflected by the sector recording the largest net increase of five cranes to currently number 16 cranes.

Melbourne's inner-city remains the most prevalent region for cranes with 47% of all Melbourne's cranes. This number has continued to drop over the past few editions with larger scale projects moving out to the suburbs, as traditionally we have seen around 60% of all Melbourne's cranes centred around the CBD and surrounding inner city suburbs.

Overall, the drop in cranes has occurred in the mixed-use (-11), education (-7), hotel (-4), and commercial (-2). The residential sector has steadied with an increase of one crane this edition, with healthy increases seen in the civil (+3), civic (+2) and health (+5) sectors.

The residential sector is still the dominant sector in the Melbourne region, with 51% of all cranes for this edition.

The civil sector has increased by three cranes. These cranes remain spread across the Melbourne Metro Tunnel, West Gate Tunnel, and the various Level Crossing Removal projects spread across Melbourne. A total of eight cranes were added and five cranes were removed since the last edition.

KEY SECTORS

CIVIC	
CIVIL	
COMMERCIAL	
EDUCATION	
HEALTH	
HOTEL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

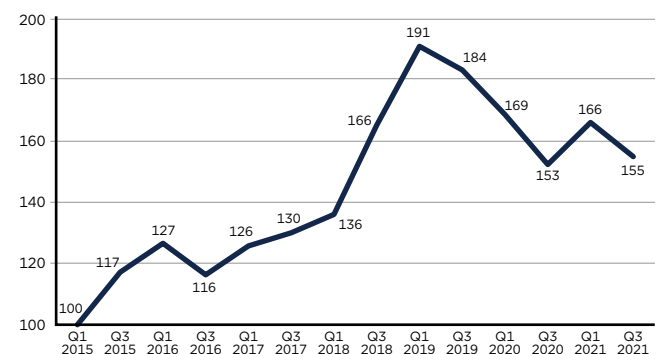


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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RLB CRANE INDEX® - MELBOURNE

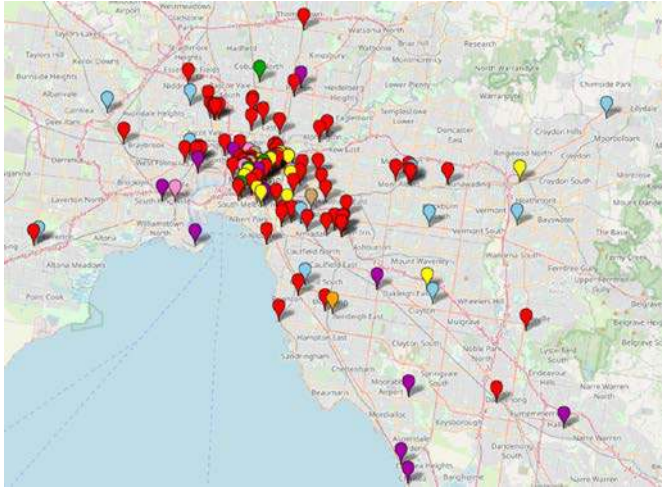
BASE: Q1 2015 = 100



CRANE ACTIVITY - MELBOURNE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	3	1.6%	2	0	2	5	2.8%
CIVIL	20	10.4%	8	-5	3	23	12.8%
COMMERCIAL	22	11.4%	13	-15	-2	20	11.1%
EDUCATION	12	6.2%	1	-8	-7	5	2.8%
HEALTH	11	5.7%	8	-3	5	16	8.9%
HOTEL	8	4.1%	1	-5	-4	4	2.2%
MIXED USE	27	14.0%	0	-11	-11	16	8.9%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	90	46.6%	46	-45	1	91	50.6%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	193	100.0%	79	-92	-13	180	100.0%

MELBOURNE



The commercial sector saw a drop of two cranes to now number 20 cranes. New commercial cranes were added to Victoria Pde (East Melbourne), Building Refurbishment - Charter Hall (Melbourne), 88L (Collingwood), Craftworks (Abbotsford), Zero Gipps (Collingwood), 637 Flinders (Docklands), 11-49 Eastern Rd (South Melbourne) and 61-69 Palmerston Cres (South Melbourne).

Commercial cranes were removed from 405 Bourke St (Melbourne), Poly Centre Melbourne (Docklands), Gipps Cromwell Quarter (Collingwood), Sackville St (Collingwood), Encore (Cremorne), Rosella Complex (Cremorne), GMHBA Building (Geelong), 260 Burwood Rd (Hawthorn), Hall St (Hawthorn East), 148 (Malvern), VACC Head Office (North Melbourne) and 12 Clarke St (Sunshine).

Education sector cranes now number five with one addition and eight removals. Multiple cranes were removed from the University of Melbourne Arts West Development (Carlton) and Fitzroy Gasworks Senior Secondary College (Fitzroy North), with cranes also removed from Victoria University city campus (Melbourne), Christian College Geelong (Highton) and Loreto Old St Georges Building (Toorak).

Cranes grew strongly in the health sector with three cranes removed and eight new cranes to now number 16. Three cranes remain at both the \$564 million Melbourne Heart Hospital (Clayton) and at 45 Burwood (Burwood East). Two cranes are now on the \$1.5 billion New Footscray Hospital (Footscray) which has begun early works.

New cranes were seen at McMullin Aged Care (Chirnside Park), Victoria Clinic Redevelopment (Prahran), Sunshine Hospital (St Albans), and Wantirna Health Precinct (Wantirna).

Cranes were removed from Ryman sites in Aberfeldie (one remaining) and Highton, and Bethlehem Health (Caulfield South).

The hotel sector saw a drop of four cranes. The only addition was seen at Meriton Suites (Melbourne) with removals at Holiday Inn Express (Melbourne), Hyatt Centric (Melbourne), Oakwood & Oakwood Premier (Southbank) and Courtyard Marriott (West Melbourne).

The mixed-use / other sector has seen a drop in crane activity after its growth in previous editions. No cranes have been added, whilst 11 cranes have been removed on major projects including \$220 million Richmond Quarter (1 removed with 3 remaining), Elizabeth North (2 removed with 2 remaining) and West Side Place (1 removed with 1 remaining). Four cranes remain on West Side Place Stage 2, whilst three cranes remain on Sapphire by the Gardens and Union Quarter.

Retail continues to have no cranes in the Melbourne region.

CRANE ACTIVITY - MELBOURNE REGIONS

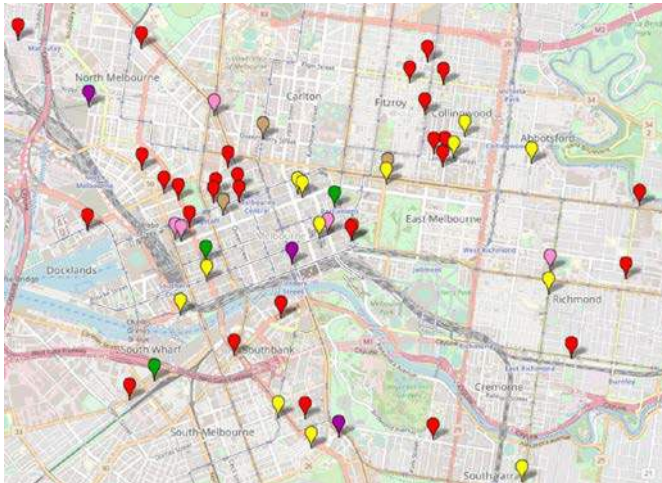
	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CBD & SURROUNDS	95	49.2%	39	-49	-10	85	47.2%
EAST	18	9.3%	11	-7	4	22	12.2%
GEELONG	4	2.1%	2	-3	-1	3	1.7%
NORTH	27	14.0%	7	-11	-4	23	12.8%
SOUTH	31	16.1%	13	-16	-3	28	15.6%
WEST	18	9.3%	7	-6	1	19	10.6%
TOTAL	193	100.0%	79	-92	-13	180	100.0%

Across the city's six main regions, small crane increases were seen in the east and west. Falls were seen in the inner Melbourne, north, south, and Geelong region. Inner Melbourne saw largest fall of 10 cranes.

MELBOURNE

CBD & SURROUNDS	18TH ED. Q1 2021	19TH ED. Q3 2021
CIVIC	2	2
CIVIL	9	8
COMMERCIAL	15	18
EDUCATION	10	4
HEALTH	0	0
HOTEL	7	3
MIXED USE	20	13
RECREATION	0	0
RESIDENTIAL	32	37
RETAIL	0	0
TOTAL	95	85

MELBOURNE EAST	18TH ED. Q1 2021	19TH ED. Q3 2021
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	4	2
EDUCATION	0	0
HEALTH	3	6
HOTEL	0	0
MIXED USE	2	0
RECREATION	0	0
RESIDENTIAL	9	14
RETAIL	0	0
TOTAL	18	22



Inner Melbourne fell by 10 to now number 8 cranes, the lowest since Q3 2017 and largest fall of all regions.

The only sectors which saw increases were the commercial and residential sectors with three and one crane respectively.

West Side Place Stage 2 is the largest project within the region with 4 cranes followed by Richmond Quarter, Sapphire By The Gardens and Metro Tunnel (North Melbourne) all with 3 active cranes.

The east saw the removal of 7 cranes and the addition of 11 new cranes, reflecting an increase of 4 cranes across the region.

This was mainly due to the growth of both residential and health projects with a net increase of 4 and 3 cranes respectively. Residential projects still account for almost 64% of total cranes in east.

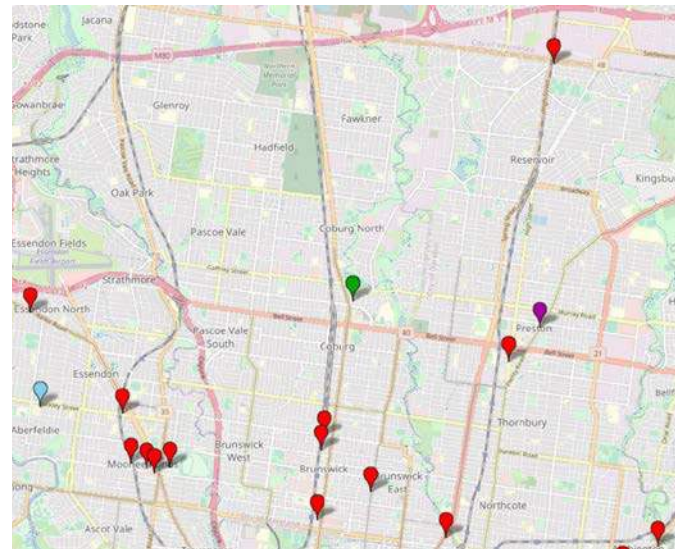
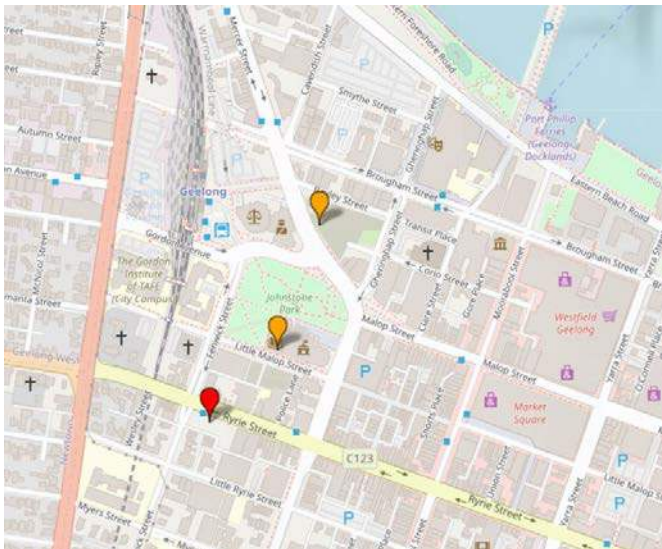
Two cranes were added at Sierra (Hawthorn) and one crane at 553 Burke Rd (Camberwell), McMullin Aged Care (Chirnside Park), Glenarm Square (Glen Iris), The Maitland (Glen Iris), Accolade (Glen Iris), 285a Bourke Rd (Glen Iris), Montage (Mount Albert) and Wantirna Health Precinct (Wantirna).

Cranes were removed at Arnold (Box Hill), Bunnings / Mercure Hotel (Doncaster East), 260 Burwood Rd (Hawthorn), 469-471 Riversdale Rd (Hawthorn East) and 226-232 High St (Kew).

MELBOURNE

GEELONG	18TH ED. Q1 2021	19TH ED. Q3 2021
CIVIC	1	2
CIVIL	0	0
COMMERCIAL	1	0
EDUCATION	1	0
HEALTH	1	0
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	0	1
RETAIL	0	0
TOTAL	4	3

MELBOURNE NORTH	18TH ED. Q1 2021	19TH ED. Q3 2021
CIVIC	0	0
CIVIL	0	2
COMMERCIAL	0	0
EDUCATION	0	0
HEALTH	2	1
HOTEL	1	1
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	24	19
RETAIL	0	0
TOTAL	27	23



Geelong has recorded a decrease of one bringing its total to 3 cranes.

New projects include the City of Geelong Performing Arts Centre (Geelong) and Geelong Quarter (Geelong).

Cranes were removed at GMHBA Building (Geelong), Ryman Retirement Village (Highton) and Christian College Geelong (Highton).

Geelong is the only region within Melbourne where the residential sector is not the dominant sector.

The north saw a decrease of four cranes. The current number of cranes across the region is 23. A total of 7 new cranes were added and 11 removed.

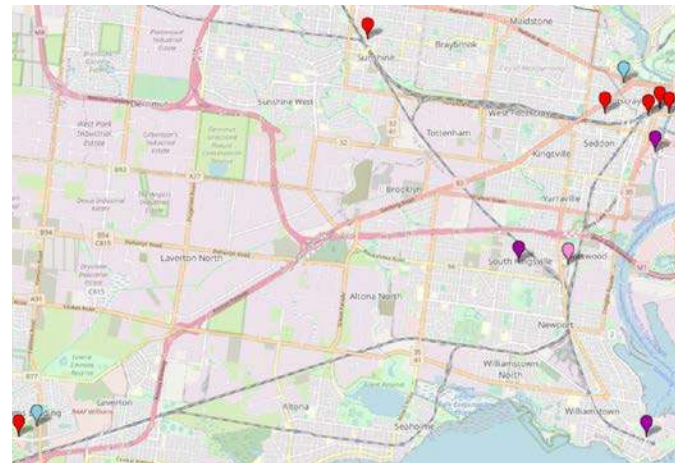
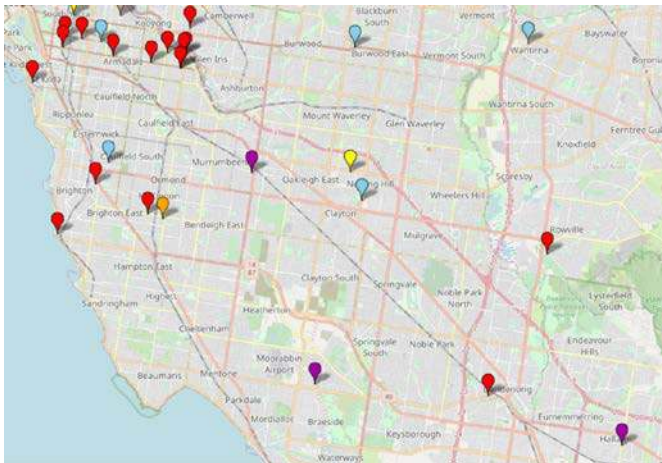
Residential cranes were removed at Nightingale 3 (Brunswick), The Stewart Collective (Brunswick East), Balfe Park Lane (Brunswick), Allison Parkside (Brunswick East), Tekna Apartments (Essendon), Ivanhoe Gardens (Ivanhoe), The Elm (Moonee Ponds), Noco (Northcote) and 752 High St (Thornbury).

Cranes commenced on projects at New Epping (Epping) and at the Bell St/Cramer Level Crossing Removal Works (Preston).

MELBOURNE

MELBOURNE SOUTH	18TH ED. Q1 2021	19TH ED. Q3 2021
CIVIC	0	1
CIVIL	4	7
COMMERCIAL	1	0
EDUCATION	1	1
HEALTH	5	5
HOTEL	0	0
MIXED USE	1	0
RECREATION	0	0
RESIDENTIAL	19	14
RETAIL	0	0
TOTAL	31	28

MELBOURNE WEST	18TH ED. Q1 2021	19TH ED. Q3 2021
CIVIC	0	0
CIVIL	7	6
COMMERCIAL	1	0
EDUCATION	0	0
HEALTH	0	4
HOTEL	0	0
MIXED USE	4	3
RECREATION	0	0
RESIDENTIAL	6	6
RETAIL	0	0
TOTAL	18	19



The south saw a decrease of 3 with current crane numbers at 28. The decrease was largely seen in the mixed-use sector.

Cranes were removed from Pavilion on the Park (Armada), Azure (Aspendale), Black Rock House (Beaumaris), Bloom Apartments (Carnegie), Olea Residences (Caulfield North), Park Lane (Elsternwick), 148 Glenferrie Rd (Malvern), mckn (Mackinnon), East Village Prahran (Prahran), Percy Place (Prahran), Marque (Prahran), Trentham House (Sandringham), Continental Hotel (Sorrento), Loreto Old St George Building (Toorak) and CV Windsor (Windsor).

New cranes were added at the New Mordialloc Freeway (Dingley Village), Ukiyo (Prahran), The Hamilton (Bentleigh), Old Bentleigh Library (Bentleigh), Bianco (Brighton), The Esplanade (Brighton Beach), Hallam Station Works (Hallam), Accolade (Malvern), AUX (Malvern), 390 Malvern Rd (Prahran), Victoria Clinic Redevelopment (Prahran) and 18 St Georges Rd (Toorak).

Major project cranes remain at Caulfield Village (Caulfield North) and Victorian Heart Hospital, with 4 and 3 cranes respectively.

The west increased by one crane to now total 19. Footscray remains the central area of crane activity with eight cranes at the West Gate Tunnel Project, New Footscray Hospital, Cowper Residences, Liberty One, 21 Victoria St and Riverfront.

The West Gate Tunnel project remains the dominant project in the regions with five cranes across two sites.

Cranes were also added to Lincoln Apartments (Williams Landing), Tricare (Williams Landing), North Williamstown Railway Station (North Williamstown), 6 Ginifer Crt (St Albans) and 254 Hampshire Rd (Sunshine).

NEWCASTLE

Newcastle's RLB Crane Index® has stayed steady after consecutive decreases since the region's peak in Q1 2020. Five cranes were added and five removed, bringing the total count to nine.

Cranes in both the residential and commercial sectors have six and two respectively. One health crane is positioned at Oak Tree Retirement Village (Jesmond) and no cranes remain in the education sector, with the removal of the crane at Nihon University (The Hill). The residential sector still represents 67% of all cranes in Newcastle.

New cranes that have been erected since the last publication include at Huntington Newcastle (Newcastle), The Crossing (Newcastle), 723-733 Hunter Street (Newcastle West), The Foundry (Adamstown), and Oak Tree Retirement Village (Jesmond).

Cranes were removed from Stella on Hannell (Wickham), Compass Housing, Station Street (Wickham), Nihon University (The Hill), 130 Parry Street (Newcastle West) and 45 Pendlebury Road (Cardiff).

KEY SECTORS

COMMERCIAL	
EDUCATION	
HEALTH	
RESIDENTIAL	

OVERALL STATUS

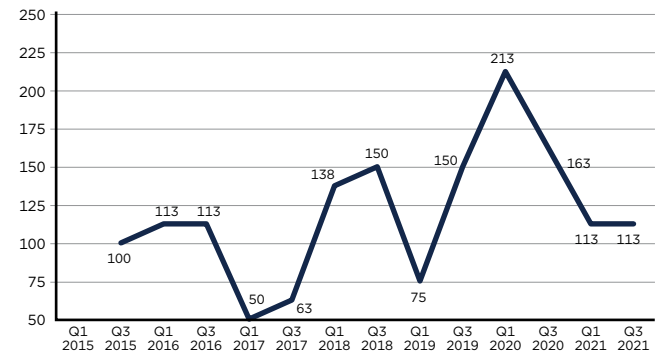


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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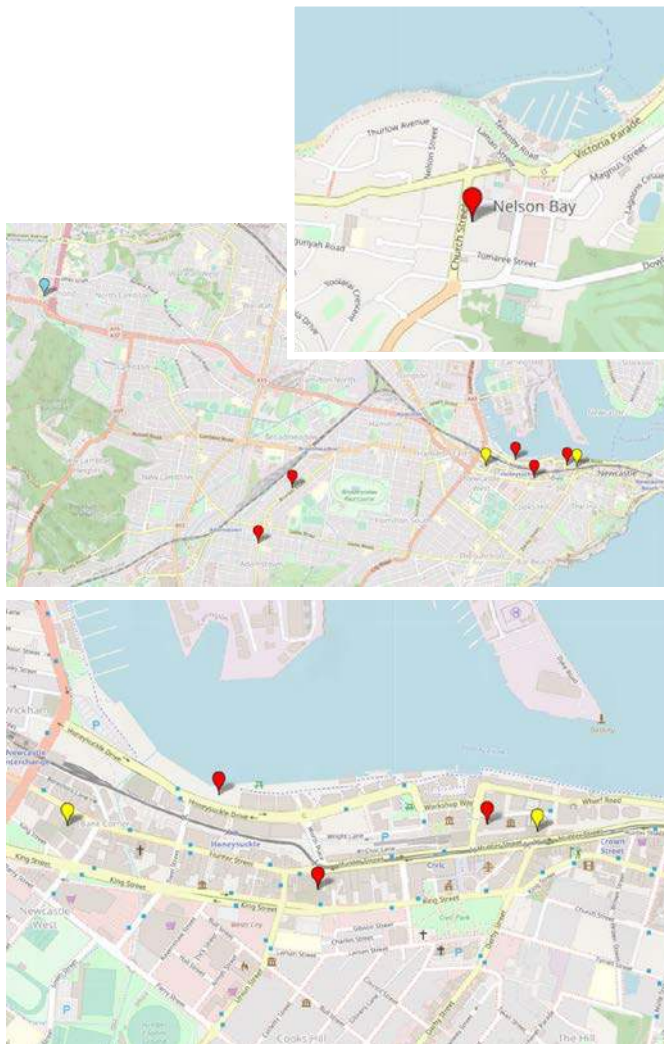
RLB CRANE INDEX® - NEWCASTLE

BASE: Q3 2015 = 100



CRANE ACTIVITY - NEWCASTLE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	2	22.2%	1	-1	0	2	22.2%
EDUCATION	1	11.1%	0	-1	-1	0	0.0%
HEALTH	0	0.0%	1	0	1	1	11.1%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	6	66.7%	3	-3	0	6	66.7%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	9	100.0%	5	-5	0	9	100.0%



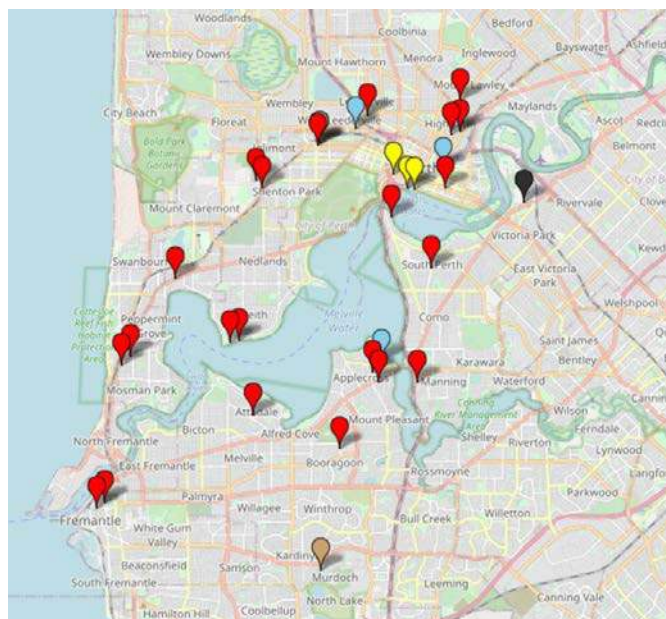
PERTH

Perth saw an increase in the RLB Crane Index™ of 23% with the index rising to 86. A total of 24 cranes were added in the past six months and 17 were removed. There are now 37 cranes spanning projects across Perth.

Building approvals in FY 2021 increased 46% across Western Australia, the highest level in recent years. Residential approvals, mainly due to single dwelling houses, was up 85% and non-residential approvals were up by 5%, showing growing activity after many years of subdued performance.

Perth's residential sector has seen the largest increase in cranes with 8 cranes removed and 18 added to total 25 cranes or 67.6% of all cranes across Perth.

New residential cranes were added at One Subiaco (Subiaco), Shannon Quarter 2 (Shenton Park), Kishorn Apartments (Applecross), AT238 (Perth), Sanctuary - Developwise (Mount Pleasant), Fairlight Apartments (Mosman Park), Noma (Mosman Park), Amara City Gardens (Booragoon), Wright Street Apartments (Highgate), Civic Heart (South Perth), The Terraces (South Perth), The Groves (Attadale), Kiara (Claremont), Victoria House Apartments (Shenton Park), The Foundry (Leederville), Smith St Aged Persons unit (Mount Lawley) and Residential House (Dalkeith).



KEY SECTORS

COMMERCIAL	↑
EDUCATION	↑
HEALTH	↑
RESIDENTIAL	↑
RETAIL	↑

OVERALL STATUS

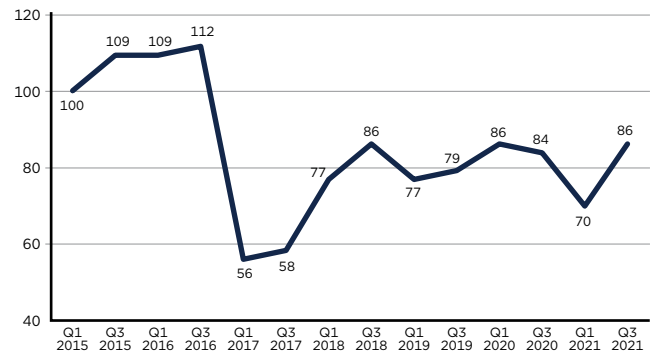


LEGEND

↑ INCREASE IN NUMBER OF CRANES	↓ DECREASE IN NUMBER OF CRANES	⬜ CRANE NUMBERS STEADY
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RLB CRANE INDEX® - PERTH

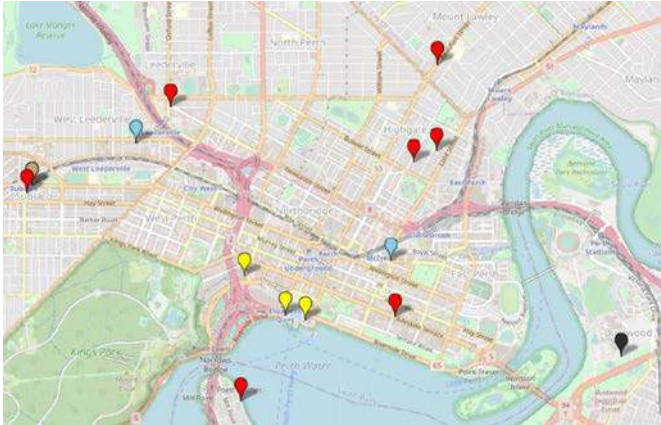
BASE: Q1 2015 = 100



CRANE ACTIVITY - PERTH

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	5	16.7%	1	0	1	6	16.2%
EDUCATION	5	16.7%	2	-5	-3	2	5.4%
HEALTH	3	10.0%	3	-2	1	4	10.8%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	15	50.0%	18	-8	10	25	67.6%
RETAIL	2	6.7%	0	-2	-2	0	0.0%
TOTAL	30	100.0%	24	-17	7	37	100.0%

PERTH



Cranes were removed from residential projects at Siskas at Taskers (North Fremantle), Student Accommodation Tower (Perth), La Luna (Stirling), Element27 (Subiaco), Wearne Cottlesloe (Cottesloe), Eden East (Floreat), One Mabel Park (Jolimont) and Dianella Apartments (Dianella)

The commercial sector saw a new crane at Optus stadium with cranes remaining at Chevron Office, Elizabeth Quay Lot 2, and Capital Square Tower 2.

The removal of the remaining four cranes on the Greater Curtain project saw the education sector drop to two cranes, with new cranes added to Murdoch University and at the Bob Hawke Stage 2 project. One crane was removed from Forrest Hall Stage 2.

Two cranes were removed from Karrinyup Shopping Centre, leaving the retail sector with no cranes.

One Subiaco (Subiaco) is now that largest individual project by crane count (3), with Chevron Office (Perth), Elizabeth Quay Lot 2 (Perth) and Shenton Quarter 2 (Shenton Park) all having two cranes.

SUNSHINE COAST

The Sunshine Coast RLB Crane Index® has dropped by 18% to 130. This is the first decrease since Q1 2020. The region saw the removal of eight cranes and the addition of five new cranes, bringing the number of cranes across the coast to 13, a net decrease of three cranes from the previous count.

Residential cranes remain the largest sector, with 11 of the 13 cranes erected on the Sunshine Coast.

The civic sector crane at the City Hall (Maroochydore) project and hotel sector's Holiday Inn (Maroochydore) project are the only non-residential projects currently with cranes placed.

Residential cranes were removed from Rise Apartments (Maroochydore), Curve (Birtinya), Driftwood (Maroochydore), Essence (Maroochydore), Plantation (Maroochydore), Botanica (Maroochydore), One Prosperity (Birtinya), and Parkridge (Noosa Springs).

New residential cranes were seen at Infinity (Noosaville), Lumina L2 (Noosa Heads), Picasso Apartments (Mooloolaba), Haven Apartments (Sippy Downs), and Parkwoods Apartments (Sippy Downs).

KEY SECTORS

CIVIC	
HOTEL	
RESIDENTIAL	

OVERALL STATUS

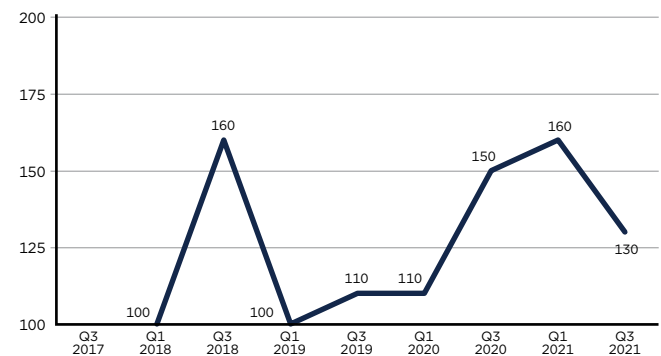


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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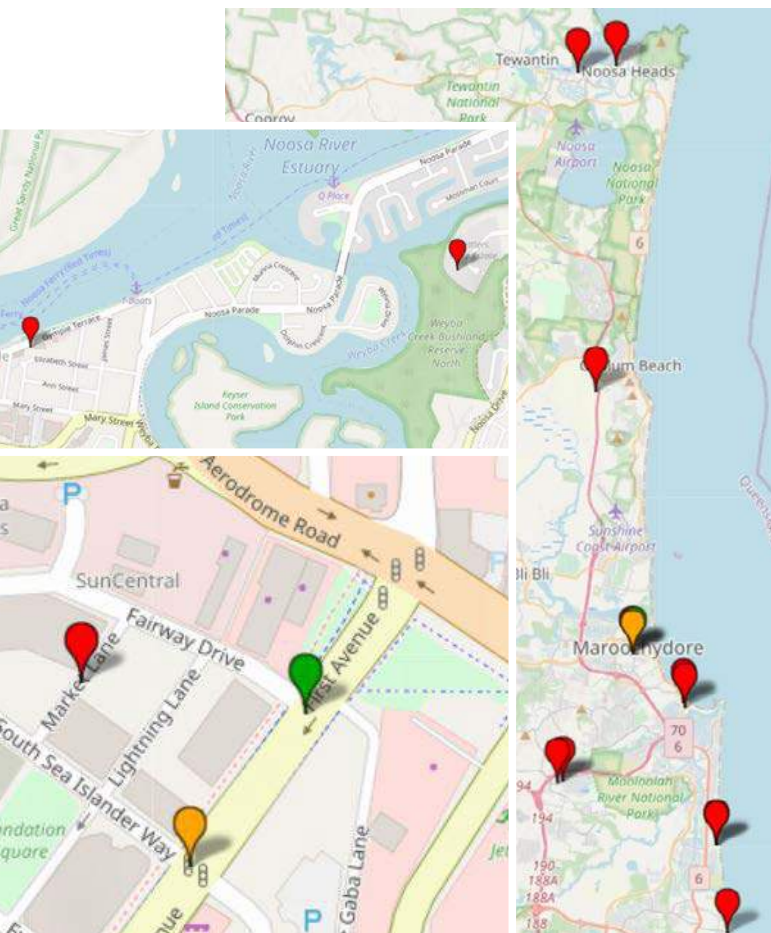
RLB CRANE INDEX® - SUNSHINE COAST

BASE: Q1 2018 = 100



CRANE ACTIVITY - SUNSHINE COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	1	3.8%	0	0	0	1	7.7%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	1	3.8%	0	0	0	1	7.7%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	14	87.5%	5	-8	-3	11	84.6%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	16	95.2%	5	-8	-3	13	100.0%



SYDNEY

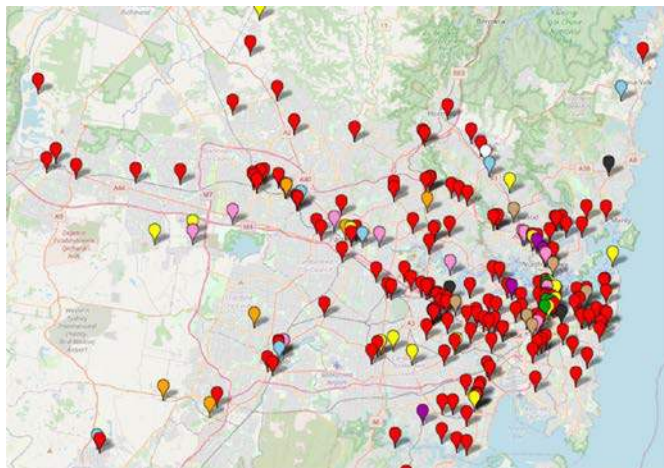
Sydney's Q1 2021 RLB Crane Index® recorded its first increase after three consecutive falls. The index has now risen from 177 in the last edition to 182 currently. The increase represents a net increase of nine cranes across Sydney. During the past six months there have been 107 cranes removed throughout Sydney and 116 new additions resulting in a total 295 cranes, up from 286 previously.

Construction activity across NSW fell slightly in FY 2021 by 2.2% to record \$63.7B. This was down from \$65.2B achieved in FY 2020. Residential work done fell by 0.3%, non-residential fell by 3.7% and engineering construction fell by 3.5%.

Current approval levels would appear to alter the downward trend of building activity in the short term with total building approvals up by 20% or \$6.5B for FY 2021. The strength of the residential sector (up by 32%) sees an apartment led recovery in the future with approvals up by 32%. Houses for the same period were up by only 18%. NSW is the only state where apartment approvals rose faster than house approvals for the financial year. Non-residential approvals were also up by 9% with surprising lifts in commercial and retail approvals.

Sydney recorded crane number increases in the mixed-use and recreation sectors, static levels in the residential, civic, health and hotel sectors and decreases in the commercial and education sectors.

The civic sector remained at a total of seven cranes, with two additions and two removals. New civic projects include Parramatta RSL Carpark (Parramatta) and multi-story carpark (Eastwood). Cranes were removed from Leppington Train Station and in Cabramatta.



KEY SECTORS

CIVIC	
CIVIL	
COMMERCIAL	
EDUCATION	
HEALTH	
HOTEL	
MIXED USE	
RECREATION	
RESIDENTIAL	
RETAIL	

OVERALL STATUS

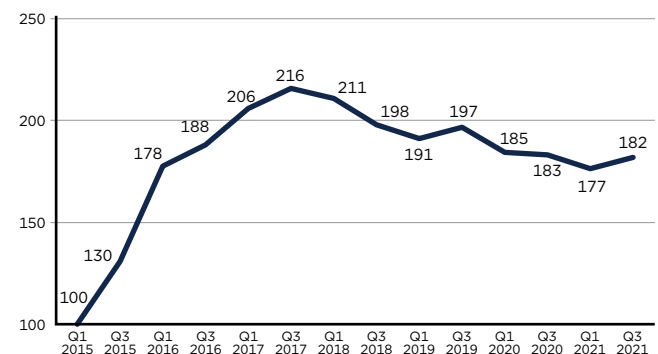


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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RLB CRANE INDEX® - SYDNEY

BASE: Q1 2015 = 100



CRANE ACTIVITY - SYDNEY

	OPENING COUNT			MOVEMENT			CLOSING COUNT		
	Q1 2021	%		+	-	NET	Q3 2021	%	
CIVIC	7	2.4%		2	-2	0	7	2.4%	
CIVIL	6	2.1%		1	-2	-1	5	1.7%	
COMMERCIAL	32	11.2%		8	-12	-4	28	9.5%	
EDUCATION	11	3.8%		3	-5	-2	9	3.1%	
HEALTH	8	2.8%		4	-4	0	8	2.7%	
HOTEL	4	1.4%		1	-1	0	4	1.4%	
MIXED USE	14	4.9%		11	0	11	25	8.5%	
RECREATION	6	2.1%		2	0	2	8	2.7%	
RESIDENTIAL	197	68.9%		84	-81	3	200	67.8%	
RETAIL	1	0.3%		0	0	0	1	0.3%	
TOTAL	286	100.0%		116	-107	9	295	100.0%	

SYDNEY

The civil sector has seen growth of one crane from the previous edition. One crane was added at Oatley and two cranes removed from Barangaroo train station site (Millers Point). Cranes remain at the \$370 million Crows Nest Metro project (2), Westconnex Rozelle Interchange and at 50 MacLaren Street (North Sydney).

The commercial sector saw a drop of four cranes, bringing the total to 28. There were 8 new cranes and 12 removed. New cranes were added to the Sharks Redevelopment (Woolaware), Aspire Tower (Parramatta), 83 Greenacre Rd (Greenacre), 74 Rickard Rd (Bankstown), 280 Liverpool St, (Darlinghurst), 139 Oxford St (Bondi Junction), 10 Red Gable Rd (Box Hill and 1 Head Heritage Trail (Watsons Bay).

Commercial cranes were removed from Parramatta Square (Parramatta), Quay Quarter Tower (Sydney), 1 Sirius Road (Lane Cove West), One Hurstville Plaza (Hurstville) Clinders Centre (Bankstown), Oculus (Darlinghurst) and projects in Kogarah, Hurstville, Burwood, and the CBD

After a spike of crane additions in last editions education sector, five cranes were removed, and three new cranes were sighted. The sector now accounts for nine cranes across Sydney.

New cranes were recorded at Buckland St (Alexandria), Abercrombie St (Darlington) and Boundary St (Croydon). One crane was removed from the Meadowbank Education & Employment Precinct, which still has two active cranes remaining. Continuing sites include Cranbrook School Redevelopment (2), Loreto Kirribilli (2) and Chatswood High School.

The health sector saw no change in crane numbers, remaining at eight cranes for this edition. Four new cranes added, and four cranes removed. New cranes have commenced at Our Lady Aged Care Centre (Harris Park), Opal Seaside Aged Care (Warriewood), Opal Health Care (Toongabbie) and at the Liverpool Hospital redevelopment. Two cranes were removed from Anglicare Retirement Village (Leumeah) and one crane was removed from both the Nepean Hospital (Kingswood) and Uniting Bowden Brae Aged Care (Normanhurst). Cranes remain at Campbelltown Hospital Redevelopment site, ANHF Gordon and at an Aged Care Development (Oran Park)

The hotel sector saw one crane added at 28 Chalmers St (Surry Hills) and one removed at 45 Murray St (Pyrmont) to remain at four cranes. Cranes remain on the Sydney Sandstone Project (Sydney), Cambridge Hotel (Surry Hills) and the Ace Hotel (Surry Hills).

The mixed-use sector has shown a healthy increase of 11 to now number 25 cranes in this edition. Eleven cranes were added to sites across Sydney with no removals. Major mixed use/other additions include two cranes each at Victoria Cross Station (North Sydney), CDC data centre (Eastern Creek) and Airtrunk SYD1 Phase 5 data centre (Huntingwood) and one crane added to each of Pitt St OSD (Sydney), New Sydney Fish Markets (Glebe), 6 Hart St (Warwick Farm), 15 Herbert St (Mortlake) and a new industrial development (Rosehill).

The recreation sector has seen a rise of two cranes to now number eight cranes. New cranes were observed at Brookvale Oval (Brookvale) and 1 Burton St (Concord). Six cranes remain on the Sydney Football Stadium Project (Moore Park) which continues to be the largest project based on crane numbers in the region.

The retail sector remains unchanged from last edition with one crane remaining at Bunnings Warehouse, Bridge St (Pymble).

The residential sector has remained steady with 84 additions and the removal of 81 cranes, bringing the total count to 200 across Sydney. This number remains historically low and is the second lowest number of residential cranes since Q3 2015. Residential cranes make up 67.8% of total number of cranes across Sydney, down from the record 87.3% (282) in Q1 2017.

SYDNEY

The largest developments based on crane numbers are the 180 George development (Parramatta) and Pelican Estate (Schofields) with four cranes respectively. A new residential project Sky High Revolution – East Side Quarter (Penrith) saw the largest addition of cranes with the addition of three new cranes.

Residential cranes can be seen across 109 suburbs in Sydney. These include:

Alexandria, Arncliffe, Ashfield, Auburn, Bankstown, Barangaroo, Belfield, Bellevue Hill, Beverley Park, Bexley, Blacktown, Blakehurst, Bondi Beach, Bondi Junction, Botany, Box Hill, Bronte, Burwood, Camden, Cammeray, Camperdown, Campsie, Canterbury, Caringbah, Carlingford, Castle Hill, Coogee, Cronulla, Crows Nest, Croydon Park, Darling Point, Darlinghurst, Double Bay, Drummoyne, Dulwich Hill, Edgecliff, Edmondson Park, Enfield, Engadine, Epping, Fairlight, Five Dock, Forest Lodge, Glebe, Homebush, Homebush West, Hurstville, Illawong, Kellyville, Kensington, Kingswood, Kogarah, Kyle Bay, Lane Cove, Lane Cove North, Leichhardt, Lewisham, Lidcombe, Liverpool, Macquarie Park, Maroubra, Marrickville, Mascot, Meadowbank, Melrose Park, Merrylands, Miranda, Mosman, Mount Druitt, Neutral Bay, Newport, Northbridge, Northmead, Oran Park, Palm Beach, Parramatta, Penrith, Petersham, Point Piper, Pymble, Randwick, Redfern, Rhodes, Rockdale, Rose Bay, Rosebery, Rouse Hill, Rozelle, Ryde, San Souci, Schofields, Seaforth, Seven Hills, St Leonards, St Marys, Strathfield, Summer Hill, Surry Hills, Sutherland, Sydney, Thornleigh, Toongabbie, Turrumurra, Vacluse, Villawood, Waitara, Warwick farm, Wentworthville, Zetland.

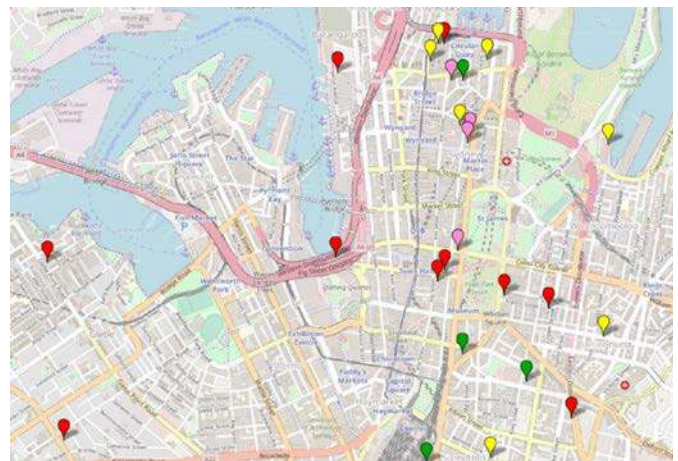
CRANE ACTIVITY – SYDNEY REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CBD & SURROUNDS	83	29.0%	29	-22	7	90	30.5%
EAST	25	8.7%	13	-13	0	25	8.5%
NORTH	71	24.8%	22	-29	-7	64	21.7%
SOUTH	46	16.1%	14	-18	-4	42	14.2%
WEST	61	21.3%	38	-25	13	74	25.1%
TOTAL	286	100.0%	116	-107	9	295	100.0%

Across Sydney's five main regions, decreases were seen in the north and south with increases in the inner city and west regions. The increase of 13 cranes in the west has resulted in the west now home to more than 25% of all cranes across the city.

North Sydney saw the largest decrease of cranes, with a decrease of 7 cranes.

INNER SYDNEY	Q1 2021	Q3 2021
CIVIC	0	0
CIVIL	3	1
COMMERCIAL	15	10
EDUCATION	0	3
HEALTH	0	0
HOTEL	4	4
MIXED USE	8	11
RECREATION	6	7
RESIDENTIAL	47	54
RETAIL	0	0
TOTAL	83	90



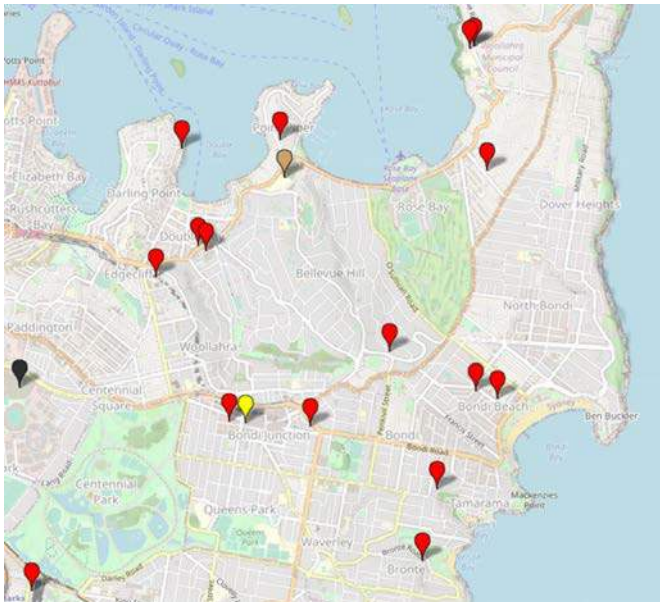
Inner Sydney saw 29 cranes added with the removal of 22 cranes, bringing the total crane count to 90 or 30.5% of Sydney's cranes. The residential sector saw the largest increase of cranes with an increase of 7 cranes. Increases were also seen in mixed-use and education with an increase of 3 cranes to both sectors.

A total 54 residential cranes and 10 commercial cranes are currently on developments across the region. Despite activity slowing in the multi-storey residential market the increase to this sector highlights the ongoing positivity within the sector.

SYDNEY

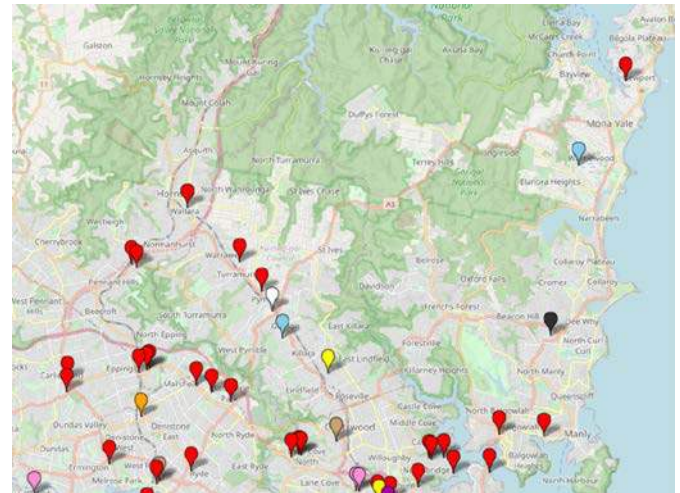
SYDNEY EAST	Q1 2021	Q3 2021
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	2
EDUCATION	3	2
HEALTH	0	0
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	22	21
RETAIL	0	0
TOTAL	25	25

SYDNEY NORTH	Q1 2021	Q3 2021
CIVIC	0	1
CIVIL	3	3
COMMERCIAL	5	4
EDUCATION	7	4
HEALTH	2	2
HOTEL	0	0
MIXED USE	5	7
RECREATION	0	1
RESIDENTIAL	48	41
RETAIL	1	1
TOTAL	71	64



Cranes in the east remained steady at 25. Residential and education cranes fell by one crane each, whilst an increase of two cranes in the commercial sector caused the total crane numbers remain the same.

The residential sector still makes up 84% of the regions crane activity. Eleven new cranes were added and twelve were removed from developments in the east.

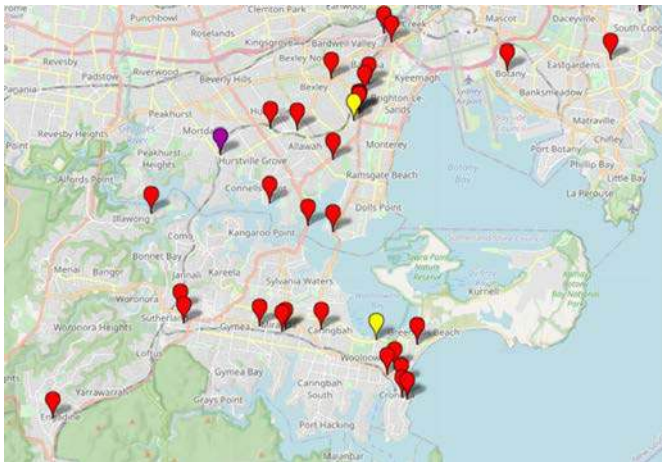


Cranes across the north recorded a decrease of seven cranes to now total 64. A total of 22 cranes were added to sites and 29 cranes removed.

Residential cranes continue to be centered on the main arterial corridors in the north and can be found in 33 suburbs including Artarmon, Brookvale, Cammeray, Carlingford, Castle Hill, Chatswood, Crows Nest, Eastwood, Epping, Fairlight, Gordon, Kellyville, Kirribilli, Lane Cove, Lane Cove North, Lindfield, Macquarie Park, Maroubra, Meadowbank, Melrose Park, Mosman, Neutral Bay, Newport, North Sydney, Northbridge, Palm Beach, Pymble, Ryde, Seaforth, St Leonards, Thornleigh, Turramurra, Waitara, Warriewood and Wentworthville.

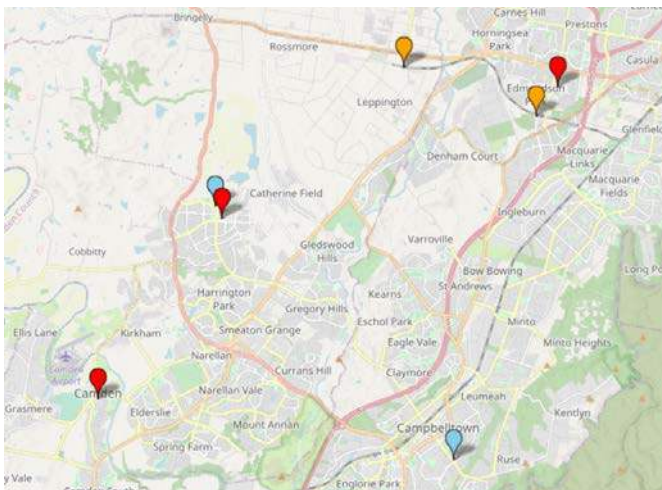
SYDNEY

SYDNEY SOUTH	Q1 2021	Q3 2021
CIVIC	2	1
CIVIL	0	1
COMMERCIAL	4	2
EDUCATION	1	0
HEALTH	5	3
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	34	35
RETAIL	0	0
TOTAL	46	42



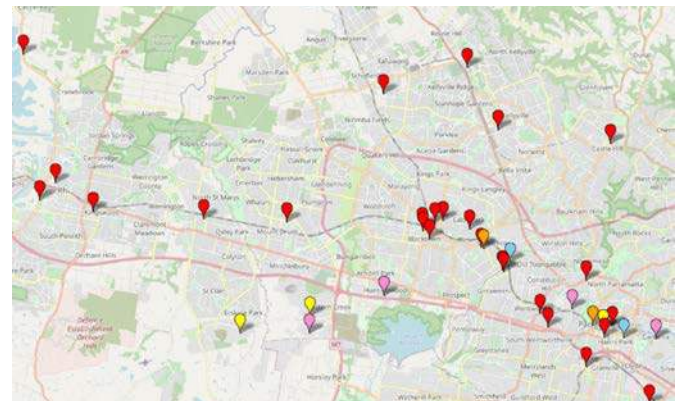
The region south of Sydney recorded a slight decrease of four cranes to now number 42. This was attributed to slight falls in the civic (1), commercial (2) and health (2) sectors. The residential sector saw a gain of one crane for this edition

A total of 14 cranes were added and 18 were removed from sites across the region.



Residential cranes across the south were sighted in 22 suburbs including Arncliffe, Beverly Park, Bexley, Blakehurst, Camden, Caringbah, Cronulla, Engadine, Hurstville, Kogarah, Kyle Bay, Leppington, Miranda, Oatley, Oran Park, Redfern, Rockdale, San Souci, Sutherland and Wolloware.

SYDNEY WEST	Q1 2021	Q3 2021
CIVIC	5	5
CIVIL	0	0
COMMERCIAL	8	10
EDUCATION	0	0
HEALTH	1	3
HOTEL	0	0
MIXED USE	1	7
RECREATION	0	0
RESIDENTIAL	46	49
RETAIL	0	0
TOTAL	61	74



Sydney West saw 38 new cranes and 25 removals to bring the region's total cranes to 74. Increases in the mixed use (6), residential (3), health (2) and commercial (2) sectors attributed to the increase of 13 cranes from the last edition.

The increase to 49 residential cranes has seen a bounce back after a significant drop in cranes within the sector in the last edition, which fell by 15 cranes. Cranes to this sector are situated in 22 suburbs across the west. Suburbs include Bankstown, Belfield, Blacktown, Box Hill, Campsie, Canterbury, Croydon Park, Edmondson Park, Kingswood, Liverpool, Merrylands, Mount Druitt, Northmead, Parramatta, Penrith, Rouse Hill, Schofields, Seven Hills, St Marys, Toongabbie, Villawood and Warwick farm.

The ten commercial cranes are in Parramatta, Bankstown, Box Hill, Canterbury, Eastern Creek, Greenacre, and Wiley Park.

Mixed-use cranes are located across Eastern Creek, Huntingwood, Rosehill, Warwick Farm and Westmead.

WOLLONGONG

Wollongong's RLB Crane Index® has remained steady at 67.

There are now eleven cranes in the Wollongong LGA with an additional crane located in Shell Harbour.

Seven cranes were removed from projects since our last edition including Como Apartments (Wollongong), 8 Railway Pde (Thirroul), 22 Roberts St (Corrimal), Avalon Apartments (North Wollongong), Shellharbour City Shores (Shell Harbour), Waterfront Shell Cove (Shell Cove Marina). One crane was also removed from Crownview (Wollongong) which now has only one crane remaining.

Two new residential cranes were added to the Wollongong CBD including The Sails (Wollongong) and Sealink Apartments (Wollongong).

The mixed-use / other sector was the only other sector to see a rise in crane numbers. New cranes are sited on development sites including Elevation 77 (Shell Harbour), Wonder Wollongong (Wollongong), Midtown (Wollongong), 27 Flinders St (Wollongong) and Wollongong Islamic Culture (Wollongong).

Within Wollongong's CBD, the new Laing's Corner project, which is historically the largest A-grade office development in Wollongong (12,700 sqm) continues to have one crane erected.

KEY SECTORS

COMMERCIAL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

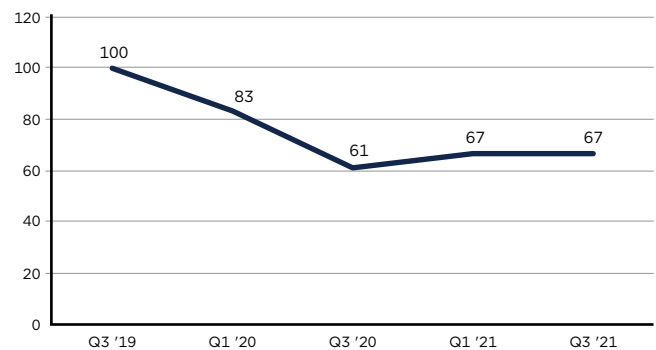


LEGEND

	INCREASE IN NUMBER OF CRANES		DECREASE IN NUMBER OF CRANES		CRANE NUMBERS STEADY
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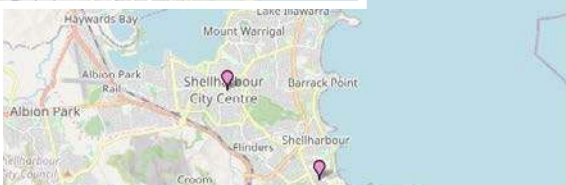
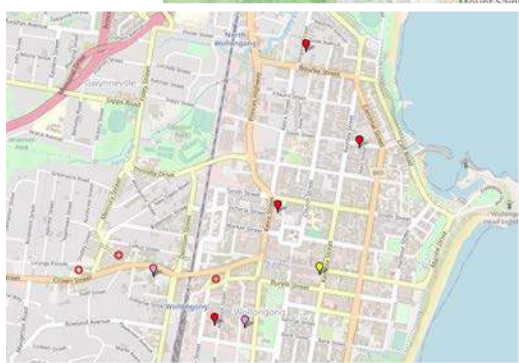
RLB CRANE INDEX® - WOLLONGONG

BASE: Q3 2019 = 100



CRANE ACTIVITY - WOLLONGONG

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2021	%	+	-	NET	Q3 2021	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	1	8.3%	0	0	0	1	8.3%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	8	66.7%	5	-4	1	9	75.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	3	25.0%	2	-3	-1	2	16.7%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	12	100.0%	7	-7	0	12	100.0%



ABOUT THE RLB CRANE INDEX®

The RLB Crane Index® is published by Rider Levett Bucknall biannually in Australia, New Zealand, USA, Canada, Gulf States, Hong Kong, Singapore, Indonesia, Vietnam, Malaysia and Myanmar and South Africa. The Australian index tracks the numbers of cranes in the key cities within Australia.

In September 2012, the Rider Levett Bucknall (RLB) Oceania Research & Development and Communication teams created the RLB Crane Index® 'index' as a simple insight into the construction sector's health within Australia. It was based on the theory that cranes in the sky supported the construction industry which is a significant contributor to Australia's economic growth.

The RLB Crane Index® gives a simplified measure of the current state of the construction industry's workload in each of these locations.

Each RLB office physically counts all fixed cranes on each city's skyline twice yearly which provides the base information for the index. This information is then applied to a base date (6th edition Q1 2015), which enables the RLB Crane Index® to be calculated highlighting the relative movement of crane data over time for each city.

The indexing of RLB Crane Index® data commenced in Q3 2013, when it was determined that the data collection and reporting methodology was mature and consistent between all offices. Crane counts for that release were indexed to 100 in each city. The index was recalibrated at Q1 2015, which saw the base index value of 100 established for each city. Subsequent cities which are now included within the index have had their base value of 100 established on their initial entry into the count. Subsequent movements in crane numbers are applied to the base RLB Crane Index® to highlight the crane movements in each city over time based on the relative count in Q1 2015.

Using the RLB Crane Index® table data makes for quick comparisons in determining city by city crane activity. For example, when comparing Sydney cranes for the base period of Q1 2015, against the count in Q1 2018, the following formula can be used to determine the percentage increase (or decrease).

$$\text{PERCENTAGE CHANGE} = \left[\frac{\text{CRANE INDEX}_{\text{CP}} - \text{CRANE INDEX}_{\text{PP}}}{\text{CRANE INDEX}_{\text{PP}}} \right] \times 100$$

where Crane Index_{cp} is the RLB Crane Index_{cp} for the current period and Crane Index_{pp} is the RLB Crane Index® for the previous period.

LOCALITY MAPS

The RLB Crane Index® locality maps offer a pictorial representation of the collected data for each city using a pin locator for the approximate location and sector of the development to where cranes are located.

The pin colour indicates the market sector of the development. The pins are not an indication of the numbers of cranes in that location.

The location of the pins are indicative only and have been positioned to convey the general spread of cranes within a city and to indicate the spread of cranes within market sectors.

Locality maps have been created by RLB at GPSVisualiser.com using Leaflet and map data from OpenStreetMap.org

CONTACT DETAILS

For further comments, please contact:

Contact: Domenic Schiafone
Director Research & Development

Email: domenic.schiafone@au.rlb.com
Tel: +61 3 9690 6111

Contact: John Cross
Oceania Research & Development Manager

Email: john.cross@au.rlb.com
Tel: +61 3 9690 6111