

Our normal procedure and some cranes may have been missed in our review.

Q3 2020 RLB CRANE INDEX® HIGHLIGHTS:

- Melbourne, Brisbane and the residential sector the major contributors to the reduction in crane numbers
- Elsewhere, crane numbers hold up during testing times with a modest 6% fall across the country
- Across the country, since Q1 2020, 272 new cranes were erected. In the same period in 2019, 416 new cranes were placed on sites
- Gold Coast and Sunshine Coast the standouts where crane numbers increased
- Canberra, Gold Coast, Perth and Sydney all show resilience with similar crane numbers from previous period
- Residential sector falls by 7.8% or 38 cranes
- Health sector surges with a 66% increase

Q3 2020 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

While all industries nationwide have had to grapple with the effects of lockdown, the construction industry to date has not seen all facets of activity come to a complete and sudden halt.

While construction activity has fallen 4.6% (\$9.6b) for FY 2020 over the previous twelve months, the significant portion of the fall (88%) has come from the residential sector.

This correlates with the fall in crane numbers where the residential crane index fell to 145, the lowest since Q2 2018. Overall, residential crane numbers across the country fell by a total of 38 for this edition.

Recent data released by the ABS indicates that approval levels for the seven months of 2020 are slightly down (\$0.6b) on the same period in 2019.

Crane numbers across all sectors fell by 45 or 6.2% recording a total of 677, down from 722 in Q1 2020. The RLB Crane Index® which peaked in Q3 2019 at 178 has fallen to 159 currently.

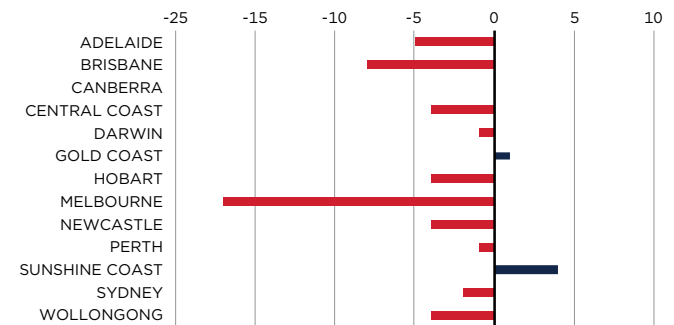
The non-residential index recorded a small decline to 197 from 203 in Q1 2020, representing a drop in crane numbers of seven. The health sector contributed to the small net reduction by adding 12 cranes across the country.

Since our last edition, 272 cranes were added to our skylines and 317 removed, representing a churn rate of 0.86, the lowest rate since Q1 2017.

Melbourne, which is enduring the longest and strictest lockdown amongst the capitals, is the major contributor to the drop in crane numbers while countercyclical to Melbourne's drop was Sydney, where a net 2 cranes were removed from development sites.

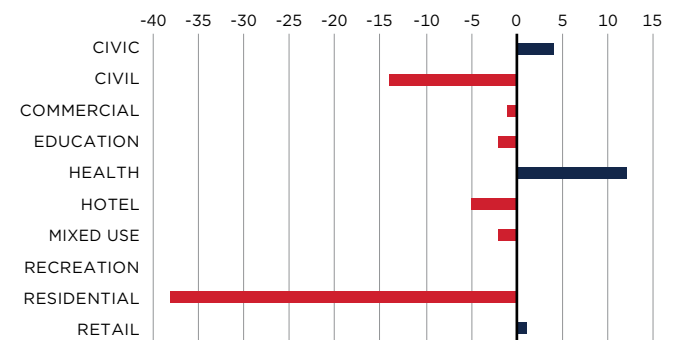
AUSTRALIA NET CRANE MOVEMENT BY CITY

NUMBER OF CRANES REMOVED / ADDED



AUSTRALIA NET CRANE MOVEMENT BY SECTOR

NUMBER OF CRANES REMOVED / ADDED



RLB CRANE INDEX® CHURN RATE

	Q1 19	Q3 19	Q1 20	Q3 20
BRISBANE	0.70	0.94	1.03	0.73
MELBOURNE	1.40	0.91	0.81	0.82
SYDNEY	0.94	1.05	0.86	0.98
AUSTRALIA	1.00	1.06	0.90	0.86

Churn rate represents the number of cranes added during the period divided by the number of removals. A churn rate of one represents the same number of new cranes and removed cranes. A result below one represents more cranes were removed than added during the period.

CRANE ACTIVITY - AUSTRALIA BY KEY CITIES

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
ADELAIDE	15	2.1%	7	-12	-5	10	1.5%
BRISBANE	58	8.0%	22	-30	-8	50	7.4%
CANBERRA	27	3.7%	8	-8	0	27	4.0%
CENTRAL COAST	9	1.2%	1	-5	-4	5	0.7%
DARWIN	1	0.1%	0	-1	-1	0	0.0%
GOLD COAST	33	4.6%	12	-11	1	34	5.0%
HOBART	4	0.6%	0	-4	-4	0	0.0%
MELBOURNE	196	27.1%	79	-96	-17	179	26.4%
NEWCASTLE	17	2.4%	3	-7	-4	13	1.9%
PERTH	37	5.1%	9	-10	-1	36	5.3%
SUNSHINE COAST	11	1.5%	7	-3	4	15	2.2%
SYDNEY	299	41.4%	118	-120	-2	297	43.9%
WOLLONGONG	15	2.1%	6	-10	-4	11	1.6%
TOTAL	722	100.0%	272	-317	-45	677	100.0%

CRANE ACTIVITY - AUSTRALIA BY SECTOR

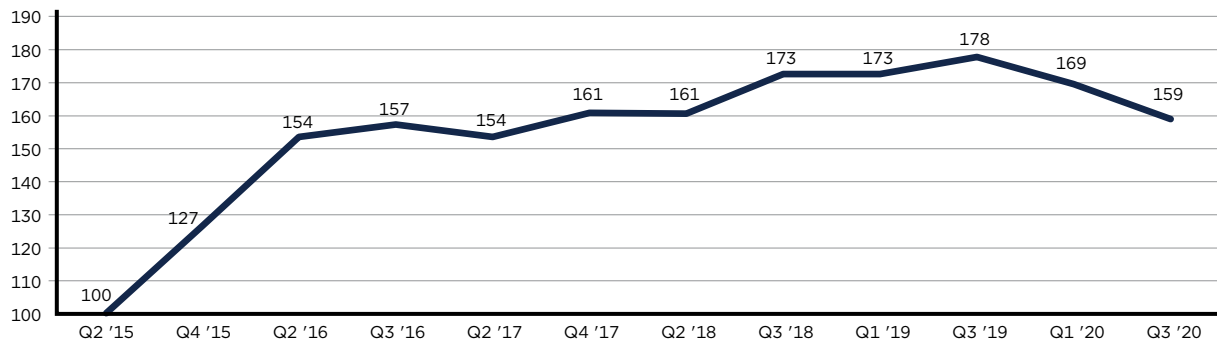
	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	3	0.4%	5	-1	4	7	1.0%
CIVIL	35	4.8%	6	-20	-14	21	3.1%
COMMERCIAL	77	10.7%	31	-32	-1	76	11.2%
EDUCATION	24	3.3%	7	-9	-2	22	3.2%
HEALTH	18	2.5%	21	-9	12	30	4.4%
HOTEL	20	2.8%	4	-9	-5	15	2.2%
MIXED USE	52	7.2%	15	-17	-2	50	7.4%
RECREATION	2	0.3%	1	-1	0	2	0.3%
RESIDENTIAL	488	67.6%	180	-218	-38	450	66.5%
RETAIL	3	0.4%	2	-1	1	4	0.6%
TOTAL	722	100.0%	272	-317	-45	677	100.0%

AUSTRALIA

RLB CRANE INDEX®

The RLB Crane Index® has fallen to an index value of 159 for this edition. This fall represents a drop of 6% from the previous edition and 10% from the high in Q3 2019.

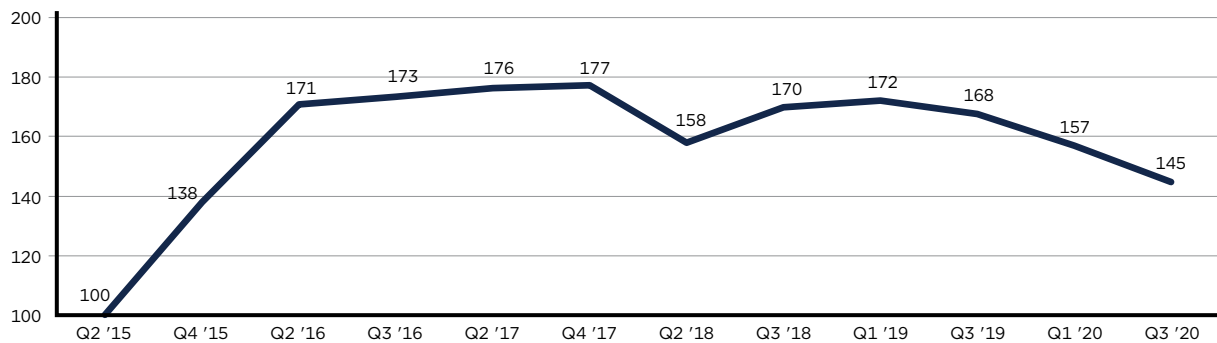
BASE = Q2 2015 = 100



RESIDENTIAL AUSTRALIAN INDEX

The residential index representing the number of cranes on residential projects across the country fell to a level of 145, down 7.6% from Q1 2020 and 18% from the high in Q4 2017.

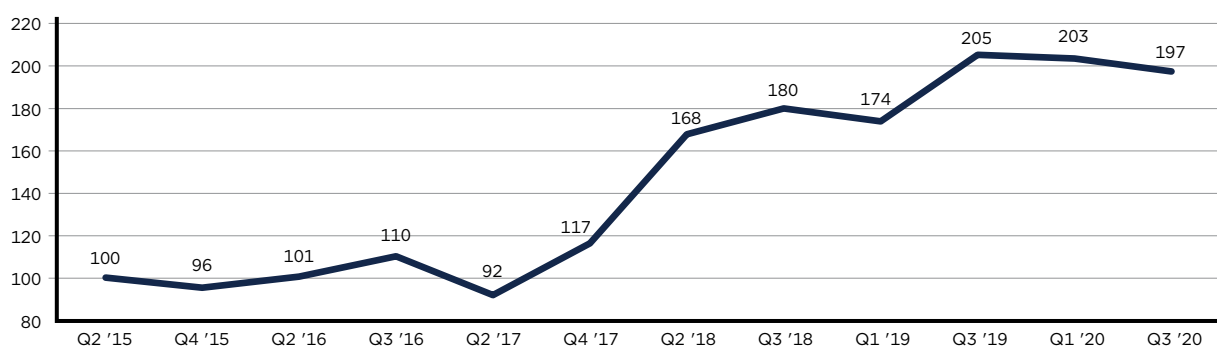
BASE = Q2 2015 = 100



NON-RESIDENTIAL SECTORS CRANE INDEX

Strong growth in cranes on non-residential projects is continuing as the Non-Residential Index continues to record strong numbers. The current level of 197, only represents a 4% drop from the record high in Q3 2019.

BASE = Q2 2015 = 100



ADELAIDE

Adelaide's RLB Crane Index® fell from 250 to 167. There are now ten cranes (a loss of five cranes) across the city, which is the lowest number since Q2 2016. Seven new cranes have been erected since the last edition.

This fall in the number of cranes reflects the 4.2% reduction in total construction work done in the FY 2020. However, building approvals for FY 2020 increased by 30.7% indicating that there is potential for growth in the market, with the total non-residential sector increasing by 49.9%.

The largest single project by crane count in the state is the Adelaide Festival Car Park, with four civic sector cranes. The only mixed-use crane is located at 65 South Terrace.

The hotel sector decreased by three cranes, with only one crane operating at the \$150 million Luminesque Sofitel Hotel project.

For the first time since Q4 2017 no commercial cranes were sighted.

Residential cranes dropped by three cranes to now number four with cranes at Hyde Park Pace (2), GSA Student accommodation in North Terrace and Penney Place.

KEY SECTORS

CIVIC	
COMMERCIAL	
HOTEL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

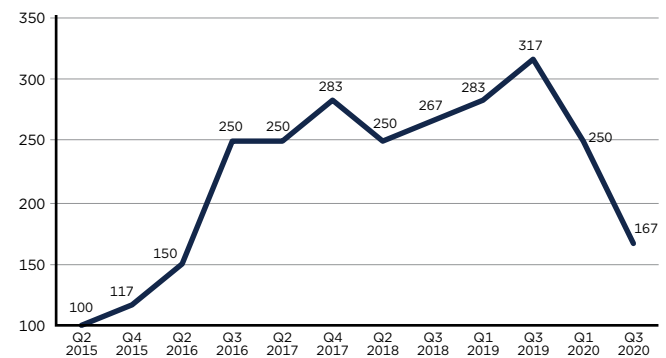


LEGEND

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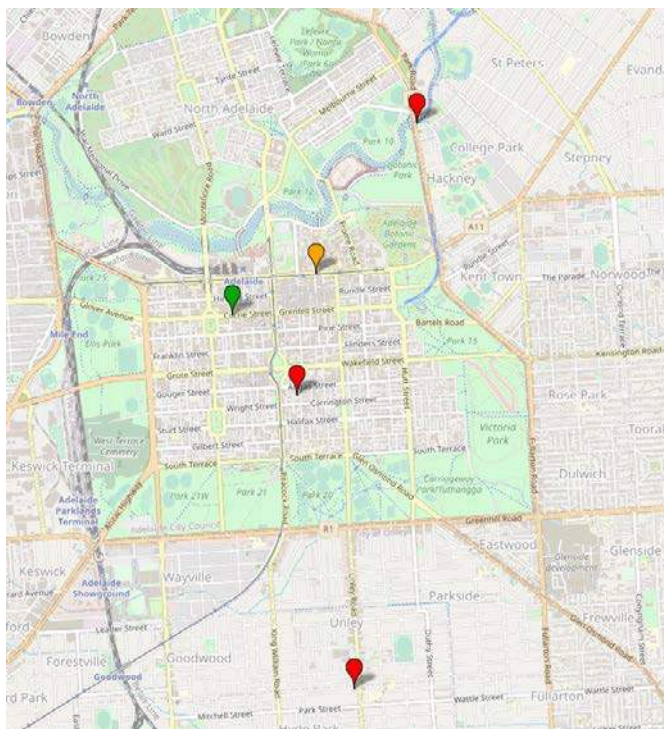
RLB CRANE INDEX® - ADELAIDE

BASE = Q2 2015 = 100



CRANE ACTIVITY - ADELAIDE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	1	6.70%	3	0	3	4	40.00%
CIVIL	0	0.00%	0	0	0	0	0.00%
COMMERCIAL	2	13.33%	0	-2	-2	0	0.00%
EDUCATION	0	0.00%	0	0	0	0	0.00%
HEALTH	0	0.00%	0	0	0	0	0.00%
HOTEL	4	26.70%	0	-3	-3	1	10.00%
MIXED USE	1	6.70%	1	-1	0	1	10.00%
RECREATION	0	0.00%	0	0	0	0	0.00%
RESIDENTIAL	7	46.70%	3	-6	-3	4	40.00%
RETAIL	0	0.00%	0	0	0	0	0.00%
TOTAL	15	100.00%	7	-12	-5	10	100.00%



BRISBANE

Brisbane experienced a decrease of eight cranes, which has led to their lowest index result of 68, down from a high of 142 in Q2 2016. Total cranes in Brisbane now number 50. Thirty cranes were removed, with 22 new additions.

The decrease in total cranes is reflected in a 4% decrease in Queensland's total construction work done. The decrease in civil cranes is reflected in the 4.8% fall in engineering construction work in the 2020 financial year.

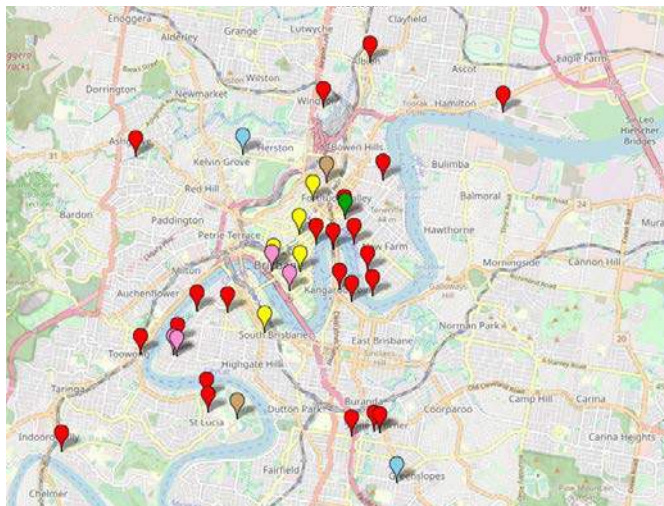
The ten cranes assisting the development at Queens Wharf now represents 20% of all cranes in Brisbane. The \$3.6 billion development is expected to open in 2022.

Residential cranes remain the largest sector in Brisbane, accounting for 46% of cranes. Similarly, 68% of all new cranes in this edition belonged to the residential sector. The health and residential sectors were the only sectors to experience growth in this edition, with an addition of two and one cranes, respectively.

The civil sector experienced the largest decrease in cranes, losing eight cranes. Cranes were removed from the Cross River Rail project at Roma Street, Albert Street & Woolloongabba and at Riverwalk in Milton.

Developments which include two or more cranes include Cross River Rail - Woolloongabba, Inner City South State Secondary College, 443 Queen St, Suncorp HQ, West Village, Midtown Centre, Cross River Rail - Roma Street and the Queens Wharf development.

Residential cranes increased to 23, up by three, with new developments commencing in Albion, Ashgrove, Fortitude Valley, Hamilton, Indooroopilly. Kangaroo Point (2), New Farm (3), St. Lucia (2), Stones Corner, Teneriffe and Woolloongabba.



KEY SECTORS

CIVIL	↑
COMMERCIAL	↑
EDUCATION	↑
HEALTH	↑
HOTEL	↑
MIXED USE	↑
RESIDENTIAL	↑

OVERALL STATUS

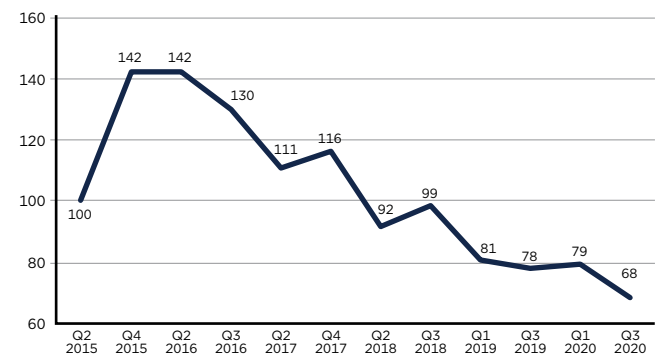


LEGEND

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

BASE = Q2 2015 = 100



CRANE ACTIVITY - BRISBANE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.00%	0	0	0	0	0.00%
CIVIL	8	13.80%	0	-8	-8	0	0.00%
COMMERCIAL	8	13.80%	3	-4	-1	7	14.00%
EDUCATION	7	12.10%	1	-5	-4	3	6.00%
HEALTH	1	1.70%	2	0	2	3	6.00%
HOTEL	1	1.70%	0	0	0	1	2.00%
MIXED USE	13	22.40%	1	-1	0	13	26.00%
RECREATION	0	0.00%	0	0	0	0	0.00%
RESIDENTIAL	20	34.50%	15	-12	3	23	46.00%
RETAIL	0	0.00%	0	0	0	0	0.00%
TOTAL	58	100.00%	22	-30	-8	50	100.00%

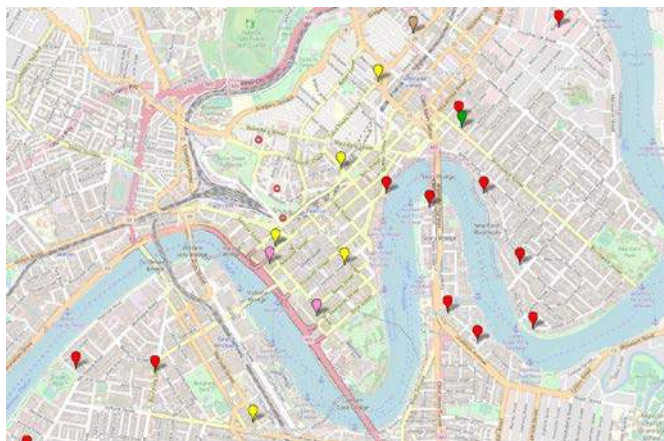
BRISBANE

CRANE ACTIVITY - BRISBANE REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
INNER	39	67.20%	13	-16	-3	36	72.00%
EAST	0	0.00%	1	0	1	1	2.00%
NORTH	9	15.50%	3	-7	-4	5	10.00%
SOUTH	3	5.20%	2	-2	0	3	6.00%
WEST	7	12.10%	3	-5	-2	5	10.00%
TOTAL	58	100.00%	22	-30	-8	50	100.00%

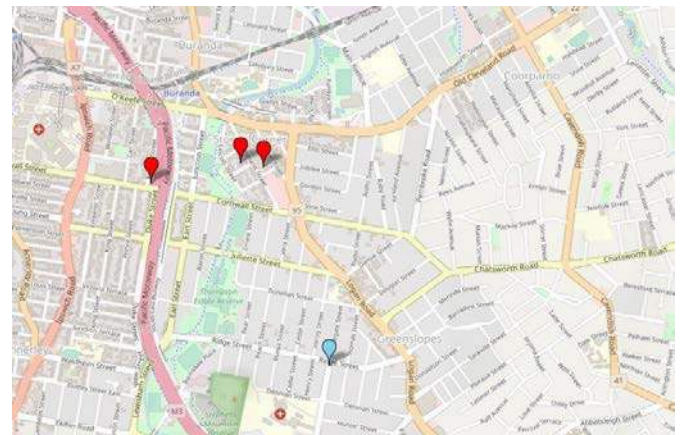
INNER BRISBANE	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	7	0
COMMERCIAL	6	7
EDUCATION	2	2
HEALTH	0	0
HOTEL	1	1
MIXED USE	13	13
RECREATION	0	0
RESIDENTIAL	10	13
RETAIL	0	0
TOTAL	39	36

Inner Brisbane for a consecutive edition possesses the majority of cranes across the city, with 72% of all cranes located in this region. Sixteen cranes were removed, and thirteen cranes were added, for a net decrease of three cranes.



BRISBANE EAST	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	0
EDUCATION	0	0
HEALTH	0	0
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	0	1
RETAIL	0	0
TOTAL	0	1

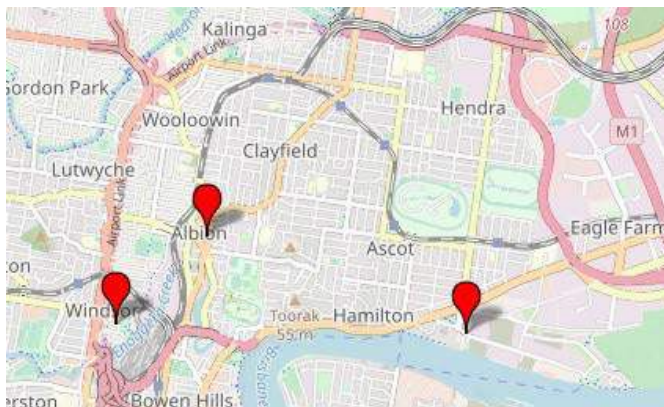
The east's increase of one crane, marks this region as the only area in Brisbane to experience a net increase, bringing their total to one. This new residential crane was erected at 62-66 Cleveland Street in Stones Corner.



BRISBANE NORTH	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	2	0
EDUCATION	1	0
HEALTH	1	1
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	5	4
RETAIL	0	0
TOTAL	9	5



The north dropped by four cranes to a total of five. Cranes are located in Albion, Ashgrove, Hamilton, Herston and Windsor.

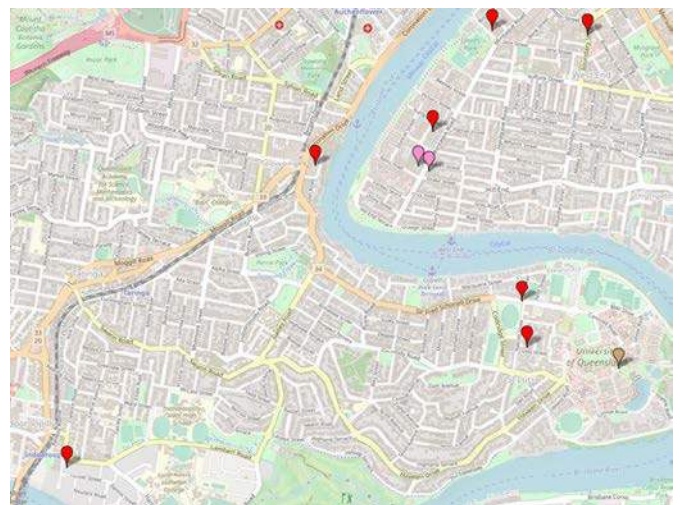


BRISBANE WEST	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	1	0
COMMERCIAL	0	0
EDUCATION	2	1
HEALTH	0	0
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	4	4
RETAIL	0	0
TOTAL	7	5

The west lost two cranes in this edition, bringing its total to five with cranes at Indooroopilly, St. Lucia (3) and Toowong.

BRISBANE SOUTH	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	0
EDUCATION	2	0
HEALTH	0	2
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	1	1
RETAIL	0	0
TOTAL	3	3

The south saw the addition and removal of two cranes respectively maintaining their three cranes at the Greenslopes Private Hospital and the Cello development also in Greenslopes.



CANBERRA

Canberra's RLB Crane Index® has remained steady at 540, slightly down from the high of 560 recorded in Q1 2019 and the same result as Q1 2020. Crane numbers remained at 27, with eight removals and eight new cranes.

Six new cranes were added to new developments within the residential sector, while both the education and mixed-use sectors both saw an additional new crane.

New residential cranes were seen at Founders Lane and 20 Girrahween St (Braddon), CIT Bruce (Bruce), Mulberry (Dickson) and Oaks Woden (Phillips).

Projects which saw crane removals were ANU Student Accommodation (Acton), The Grounds (Braddon), DKS (Dickson), Atria (Kingston), Embark on Northbourne (Lyneham) and Curzon Apartments (Wright).

KEY SECTORS

EDUCATION	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

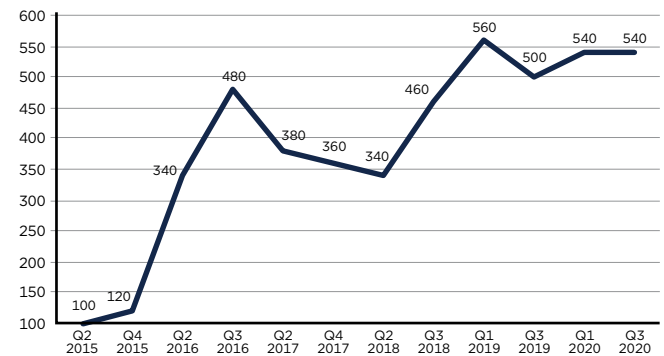


LEGEND

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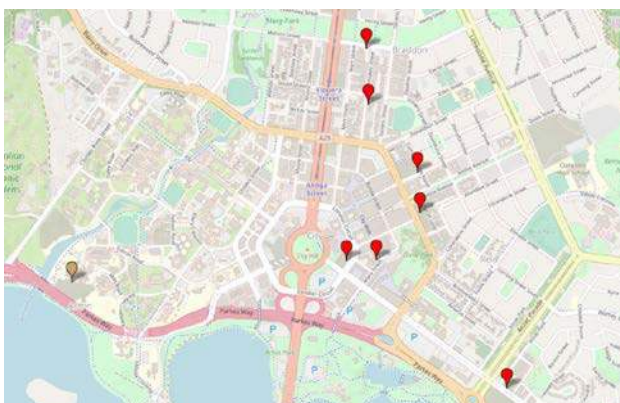
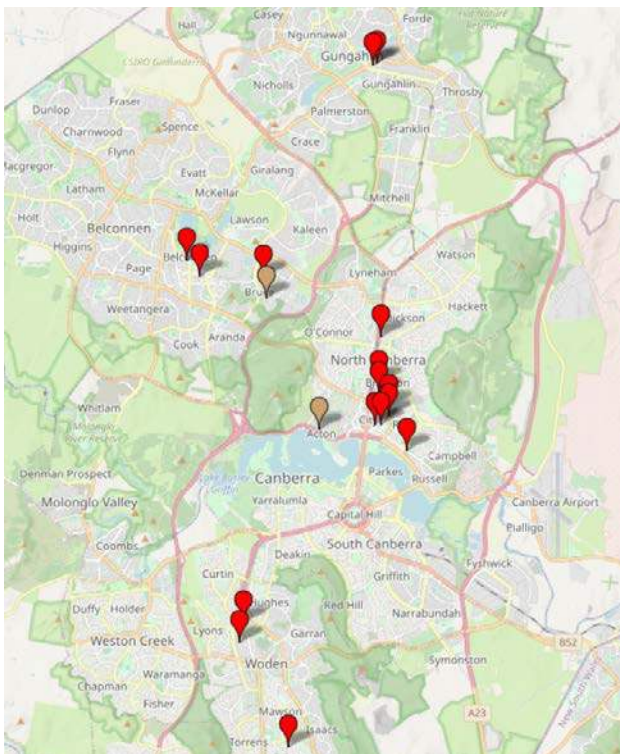
RLB CRANE INDEX® - CANBERRA

BASE = Q2 2015 = 100



CRANE ACTIVITY - CANBERRA

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.00%	0	0	0	0	0.00%
CIVIL	0	0.00%	0	0	0	0	0.00%
COMMERCIAL	0	0.00%	0	0	0	0	0.00%
EDUCATION	1	3.70%	2	0	2	3	11.10%
HEALTH	0	0.00%	0	0	0	0	0.00%
HOTEL	0	0.00%	0	0	0	0	0.00%
MIXED USE	1	3.70%	0	-1	-1	0	0.00%
RECREATION	0	0.00%	0	0	0	0	0.00%
RESIDENTIAL	25	92.60%	6	-7	-1	24	88.90%
RETAIL	0	0.00%	0	0	0	0	0.00%
TOTAL	27	100.00%	8	-8	0	27	100.00%



CENTRAL COAST

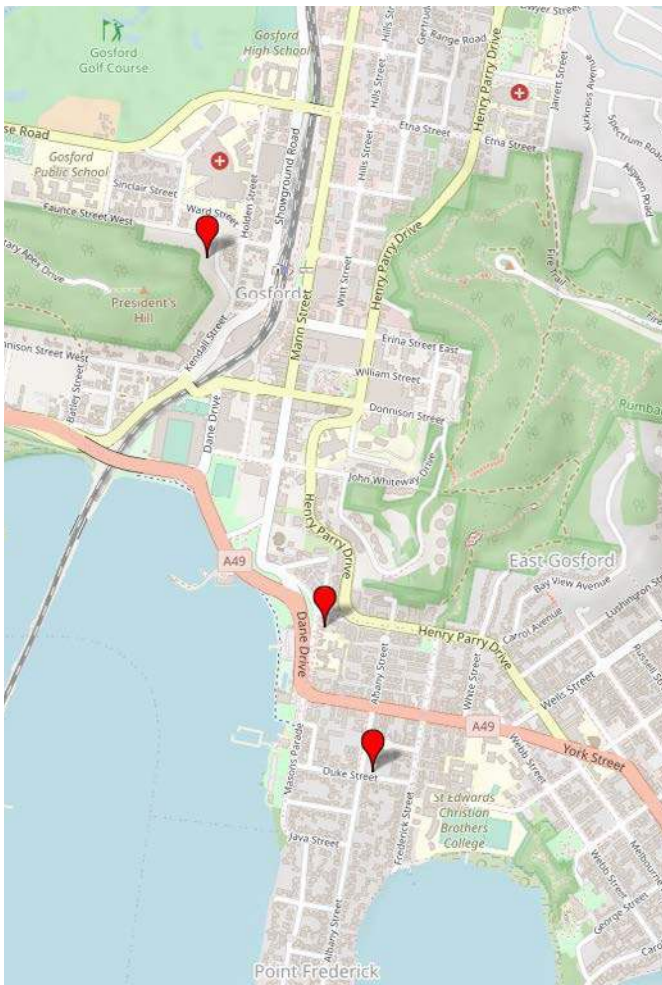
The RLB Crane Index® for the Central Coast fell for the second edition in a row, decreasing by 44% down to 28. This represents the largest decrease since the inclusion of the Central Coast as an independent region in Q3 2018.

One crane commenced and five removals were recorded since Q1 2020. Cranes now number five across the region.

The residential sector accounts for 100% of all cranes.

The only new crane was recorded at the Ravello Residences (Point Fredrick).

Cranes which have remained on sites include 5 Ormond St and 10-16 Hargraves St (Gosford) and two cranes at Albany St (Point Fredrick).



KEY SECTORS

RESIDENTIAL



OVERALL STATUS



LEGEND



INCREASE
IN NUMBER
OF CRANES



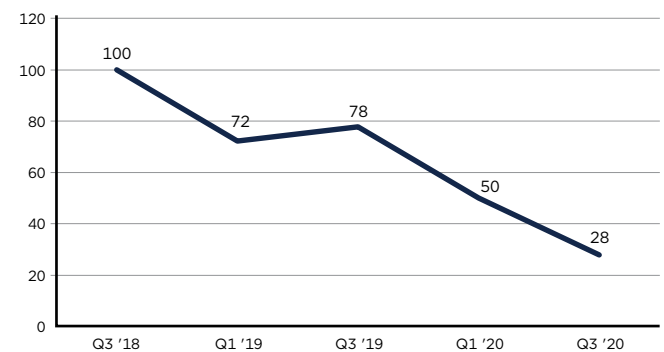
DECREASE
IN NUMBER
OF CRANES



CRANE
NUMBERS
STEADY

RLB CRANE INDEX® - CENTRAL COAST

BASE = Q2 2018 = 100



CRANE ACTIVITY - CENTRAL COAST

	OPENING COUNT			MOVEMENT			CLOSING COUNT	
	Q1 2020	%		+	-	NET	Q3 2020	%
CIVIC	0	0.00%		0	0	0	0	0.00%
CIVIL	0	0.00%		0	0	0	0	0.00%
COMMERCIAL	0	0.00%		0	0	0	0	0.00%
EDUCATION	0	0.00%		0	0	0	0	0.00%
HEALTH	0	0.00%		0	0	0	0	0.00%
HOTEL	0	0.00%		0	0	0	0	0.00%
MIXED USE	0	0.00%		0	0	0	0	0.00%
RECREATION	0	0.00%		0	0	0	0	0.00%
RESIDENTIAL	9	100.00%		1	-5	-4	5	100.00%
RETAIL	0	0.00%		0	0	0	0	0.00%
TOTAL	9	100.00%		1	-5	-4	5	100.00%

DARWIN

For the first time in two editions there are no cranes in Darwin due to the completion of the Manunda Place development.

The building approvals for the FY 2020 has mirrored the fall in cranes, with the total approvals down by 27.5%. Similarly, despite a 542.6% increase in apartment approvals, total residential approvals fell by 12.6%.

KEY SECTORS

COMMERCIAL



OVERALL STATUS



LEGEND



INCREASE
IN NUMBER
OF CRANES



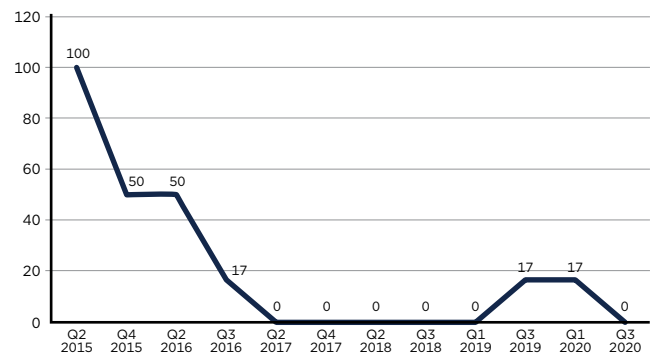
DECREASE
IN NUMBER
OF CRANES



CRANE
NUMBERS
STEADY

RLB CRANE INDEX® - DARWIN

BASE = Q2 2015 = 100



CRANE ACTIVITY - DARWIN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2019	%	+	-	NET	Q1 2020	%
CIVIC	0	0%	0	0	0	0	0.00%
CIVIL	0	0%	0	0	0	0	0.00%
COMMERCIAL	1	100%	0	-1	-1	0	0.00%
EDUCATION	0	0%	0	0	0	0	0.00%
HEALTH	0	0%	0	0	0	0	0.00%
HOTEL	0	0%	0	0	0	0	0.00%
MIXED USE	0	0%	0	0	0	0	0.00%
RECREATION	0	0%	0	0	0	0	0.00%
RESIDENTIAL	0	0%	0	0	0	0	0.00%
RETAIL	0	0%	0	0	0	0	0.00%
TOTAL	1	100.00%	0	-1	-1	0	0.00%

GOLD COAST

The Gold Coast RLB Crane Index® recorded a rise from 220 to 227, a lift of 3%. Thirteen cranes were added and twelve were removed bringing the coast's total to 34. The residential sector accounts for 82% of all Gold Coast cranes, representing a steady increase from the previous edition.

The residential sector saw eleven new cranes placed on sites and seven removed, bringing the sector's total to 28, an increase from Q1 2020 count of 24.

Residential cranes include Labrador Apartments (Biggara Waters), Opus Broadbeach, DGC Stage 1 & Encore Broadbeach (Broadbeach), Norfolk (Burleigh Heads), Discovery Apartments (Helensvale), Grant Avenue Stage 1 (Hope Island), Marine Parade (Labrador), Mali (Mermaid Beach), Adore (Southport), Cerulean Apartments and Ocean (Surfers Paradise).

Mixed-use / other cranes are working on the terminal expansion at Gold Coast Airport, the new Home of the Arts (HOTA) Gallery in Bundall Road and the National Storage facility in Biggara Waters.

Cranes have been removed from 31 Broadbeach and Elysian (Broadbeach), Gold Cost Airport Hotel and Maya (Coolangatta), 77 Jefferson and Magnoli (Palm Beach), Odyssey Aged Care and Storage King Storage Facilities (Robina) and Kennards Self Storage Facility (Southport).

KEY SECTORS

COMMERCIAL	
HEALTH	
HOTEL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

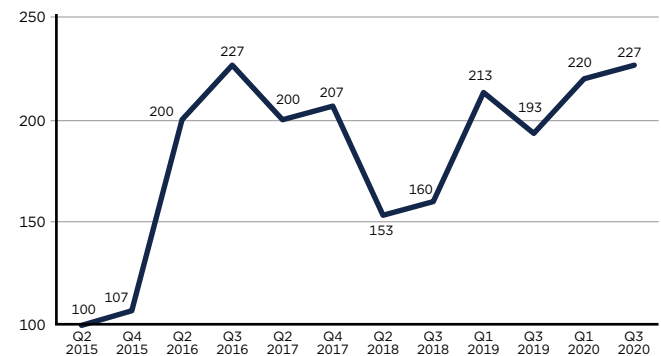


LEGEND

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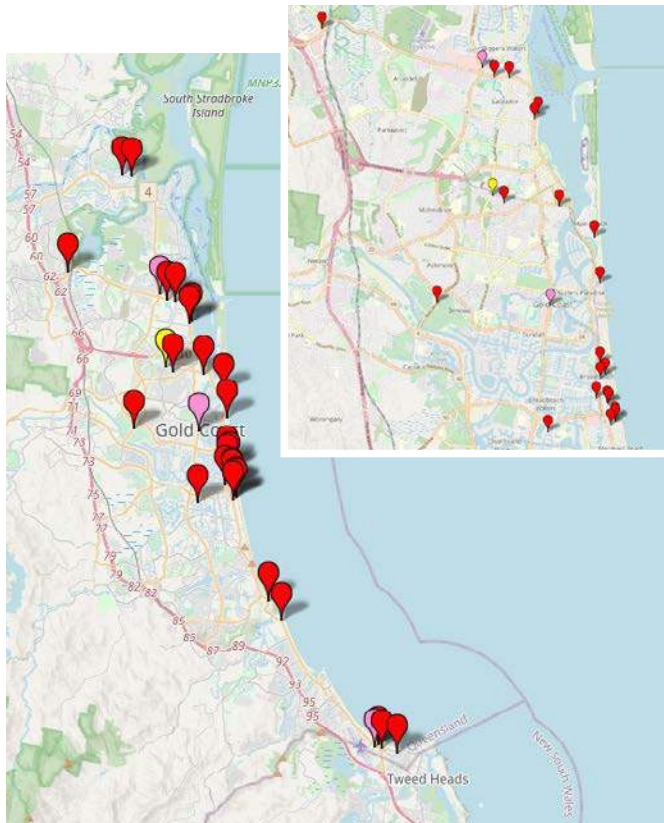
RLB CRANE INDEX® - GOLD COAST

BASE = Q2 2015 = 100



CRANE ACTIVITY - GOLD COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.00%	0	0	0	0	0.00%
CIVIL	0	0.00%	0	0	0	0	0.00%
COMMERCIAL	3	9.10%	2	-3	-1	2	5.90%
EDUCATION	0	0.00%	0	0	0	0	0.00%
HEALTH	1	3.00%	0	-1	-1	0	0.00%
HOTEL	1	3.00%	0	-1	-1	0	0.00%
MIXED USE	4	12.10%	0	0	0	4	11.80%
RECREATION	0	0.00%	0	0	0	0	0.00%
RESIDENTIAL	24	72.70%	11	-7	4	28	82.40%
RETAIL	0	0.00%	0	0	0	0	0.00%
TOTAL	33	100.00%	13	-12	1	34	100.00%



HOBART

Hobart has currently no cranes on the skyline with cranes previously at Parliament Square, the Vibe Hotel, The Commons and UTAS's Student Accommodation project all removed.

KEY SECTORS

HOTEL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

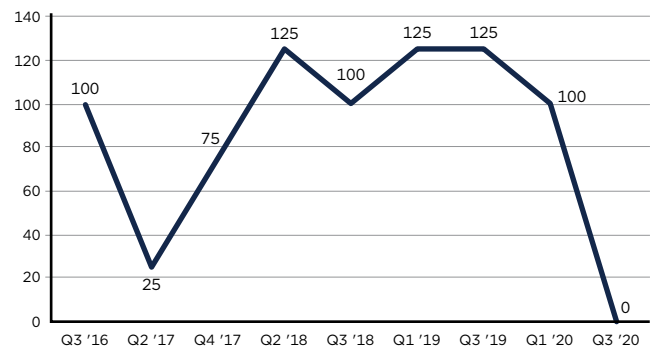


LEGEND



RLB CRANE INDEX® - HOBART

BASE = Q3 2016 = 100



CRANE ACTIVITY - HOBART

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.0%	0	0	0	0	0
CIVIL	0	0.0%	0	0	0	0	0
COMMERCIAL	0	0.0%	0	0	0	0	0
EDUCATION	0	0.0%	0	0	0	0	0
HEALTH	0	0.0%	0	0	0	0	0
HOTEL	1	25.0%	0	-1	-1	0	0
MIXED USE	1	25.0%	0	-1	-1	0	0
RECREATION	0	0.0%	0	0	0	0	0
RESIDENTIAL	2	50.0%	0	-2	-2	0	0
RETAIL	0	0.0%	0	0	0	0	0
TOTAL	4	100.0%	0	-4	-4	0	0.0%

MELBOURNE

Melbourne recorded a 9% fall in the Q3 2020 RLB Crane Index®. The index now stands at 154, down from 169 in Q1 2020.

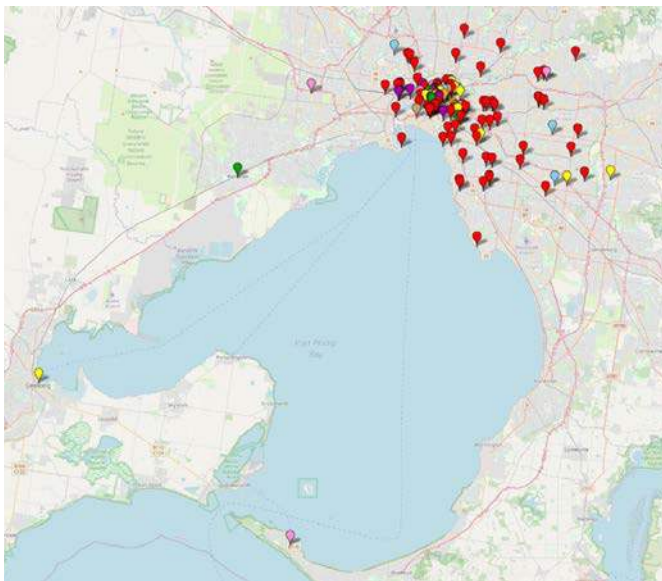
Across Melbourne 79 cranes were added to projects and 96 were removed, bringing current crane numbers to 179 which is down from 196 cranes recorded in the Q1 2020.

The dip in crane numbers over the past year has primarily occurred in residential cranes with residential and retail falling by 27 and one respectively. This decrease has caused the residential sector to fall from 62% of all cranes in Melbourne to a current 53%.

The residential sector continues to dominate the Melbourne skyline, with 95 cranes spread across Melbourne's 55 suburbs. Despite experiencing a net decrease of 27 cranes, there have been 40 new cranes on projects commencing.

The inner-city region accounts for 58% of all of Melbourne's cranes and 46% of all residential cranes.

The civil sector increased by one new crane. Seven of the twelve civil cranes are working on the Melbourne Metro Tunnel project, with the remaining five cranes attributed to the Western Distributor. A total of four cranes were added and three were removed since the last edition.



KEY SECTORS

CIVIC	↑
CIVIL	↑
COMMERCIAL	↑
EDUCATION	↑
HEALTH	↑
HOTEL	↑
MIXED USE	↑
RESIDENTIAL	↑
RETAIL	↑

OVERALL STATUS

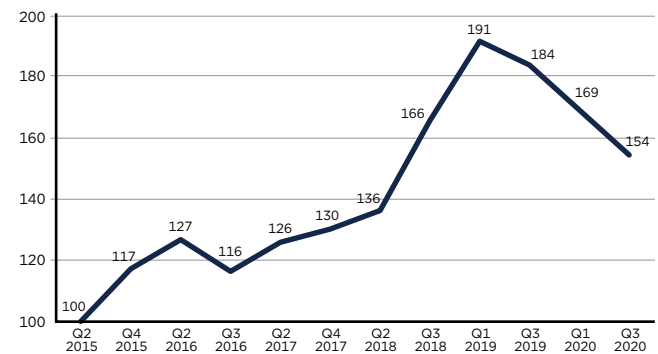


LEGEND

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

BASE = Q2 2015 = 100



CRANE ACTIVITY - MELBOURNE

	OPENING COUNT			MOVEMENT			CLOSING COUNT	
	Q1 2020	%		+	-	NET	Q3 2020	%
CIVIC	2	1.00%		1	-1	0	2	1.10%
CIVIL	11	5.60%		4	-3	1	12	6.70%
COMMERCIAL	20	10.20%		12	-11	1	21	11.70%
EDUCATION	3	1.50%		3	0	3	6	3.40%
HEALTH	9	4.60%		6	-6	0	9	5.00%
HOTEL	8	4.10%		3	-1	2	10	5.60%
MIXED USE	20	10.20%		10	-6	4	24	13.40%
RECREATION	0	0.00%		0	0	0	0	0.00%
RESIDENTIAL	122	62.20%		40	-67	-27	95	53.10%
RETAIL	1	0.50%		0	-1	-1	0	0.00%
TOTAL	196	100.00%		79	-96	-17	179	100.00%

MELBOURNE

The commercial sector experienced an increase of one crane, to now total 21 cranes. New commercial cranes were added to the Gipps Cromwell Quarter and 1 Sackville St (Collingwood), 65 Gwynne St, 84 Cubit St and Balmain St (Cremorne), 200 Victoria St (East Melbourne), GMHBA Building (Geelong), 148 Glenferrie Road (Malvern) 435 Bourke St, AFP 140 Lonsdale St (Melbourne), Costa Fox Development (Richmond) and 627 Chapel St (South Yarra).

Commercial cranes were removed from Wesley Place (3), 2-6 Gwynne St Cremorne, 555 Collins Street, VICPOL 2, Wellington Road Mulgrave, 45 Wangaratta St Richmond and at 68 Clarke and Moray Streets in South Melbourne.

There was no growth in the health sector as there were six cranes removed and six cranes added leaving a total of nine cranes. Three of the new six cranes are located at the \$564 million Melbourne Heart Hospital (Clayton). The remaining three cranes were added to two different Ryman Healthcare sites in Burwood and Aberfeldie.

With the addition of three cranes and the removal of the Quincy Hotel crane, the hotel sector increased their total crane count to ten. New hotel developments include the Ibis Hotel (Melbourne Airport) as well as the Courtyard by Marriott (West Melbourne).

The mixed-use / other sector has also experienced a growth of four cranes. The continued growth of the mixed-use sector has seen new developments that combine hotel/retail, residential and commercial spaces within the development. The new cranes are located at Escala (Docklands), Elizabeth North, West Side Place Stage 2, QVM Residences and 138 A'Beckett St (Melbourne), 510 Church St & Industry Lane (Richmond) and Airtrunk Data Centre (Derrimut).

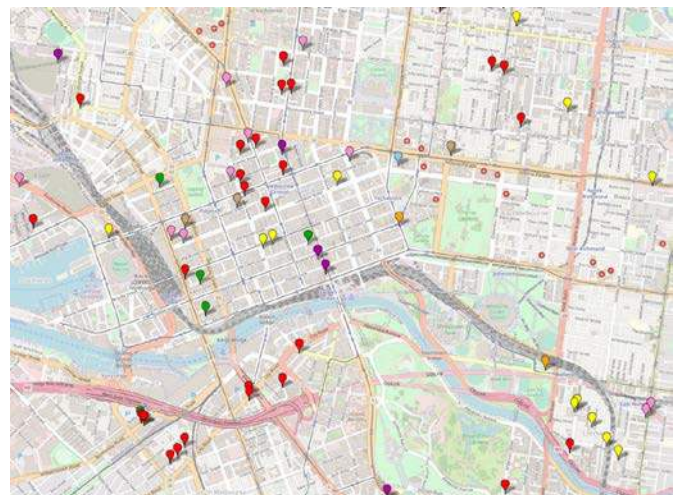
With the removal of the Ascot Theatre's crane, the retail sector possesses no cranes.

The value of residential building approvals has decreased slightly by 0.9% and non-residential approvals decreased by 1.2% for the seven months of 2020. Total construction work done in the 2020 financial year recorded a 2.2% rise, however residential work done fell by 2.4%.

Across the city's six main regions, crane increases were seen in the east, south and the west, which all saw small increases. Inner Melbourne saw a fall of 12 cranes, with the north experiencing a decrease of nine.

INNER MELBOURNE	Q1 2020	Q3 2020
CIVIC	2	2
CIVIL	9	8
COMMERCIAL	17	16
EDUCATION	3	6
HEALTH	2	1
HOTEL	7	7
MIXED USE	14	20
RECREATION	0	0
RESIDENTIAL	62	44
RETAIL	0	0
TOTAL	116	104

With the removal of 57 cranes and additions of 45 across the region, Inner Melbourne saw a fall of 12 cranes, which was primarily caused by the completion of many residential projects. Due to these completions, residential cranes decreased by 18 to 44. The education and mixed-use cranes were the only sectors which experienced an increase in their total numbers with an additional three and six cranes added respectively. West Side Place Stage 2 (Melbourne) saw the largest individual increase of cranes in the region which increased by three cranes to now total four.



CRANE ACTIVITY - MELBOURNE REGIONS

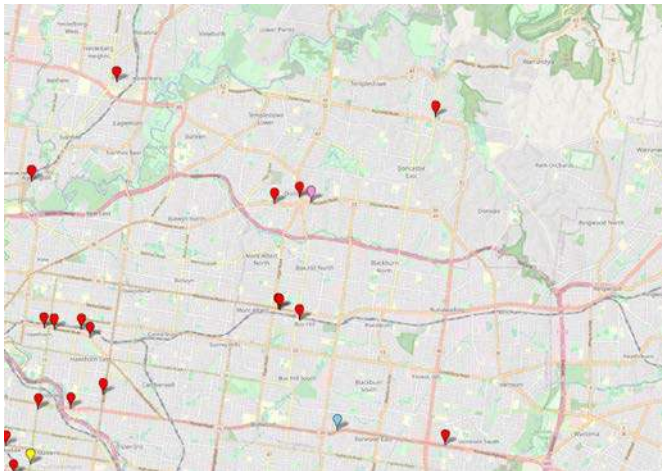
	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
INNER MELB	116	59.20%	45	-57	-12	104	58.10%
EAST	21	10.70%	8	-7	1	22	12.30%
GEELONG	1	0.50%	1	-1	0	1	0.60%
NORTH	20	10.20%	4	-13	-9	11	6.10%
SOUTH	26	13.30%	14	-13	1	27	15.10%
WEST	12	6.10%	7	-5	2	14	7.80%
TOTAL	196	100.00%	79	-96	-17	179	100.00%

MELBOURNE

MELBOURNE EAST	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	1	1
EDUCATION	0	0
HEALTH	2	3
HOTEL	0	0
MIXED USE	0	2
RECREATION	0	0
RESIDENTIAL	16	16
RETAIL	2	0
TOTAL	21	22

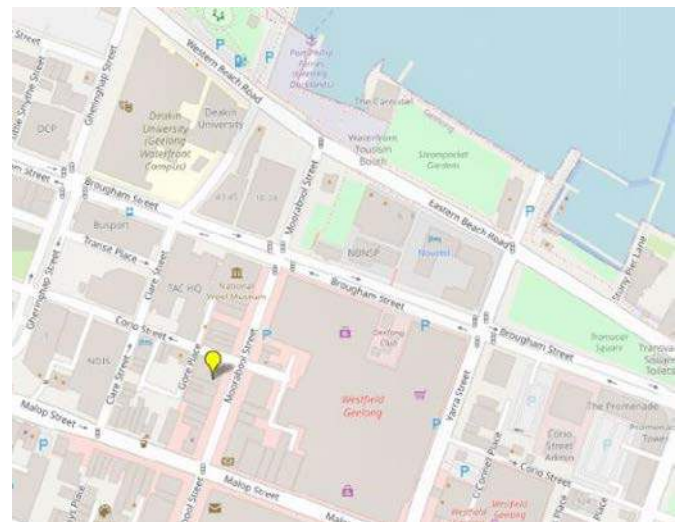
The east saw the addition of eight cranes and the removal of seven, increasing their total numbers to 22. The health sector saw the addition of one new crane in Burwood East, with seven cranes starting on residential sites across the region.

Residential projects account for 73% of total cranes in the east.



GEELONG	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	1
EDUCATION	0	0
HEALTH	0	0
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	1	0
RETAIL	0	0
TOTAL	1	1

Geelong has recorded no net change, with the G1 Apartment's crane being replaced by the GMHBA's crane.



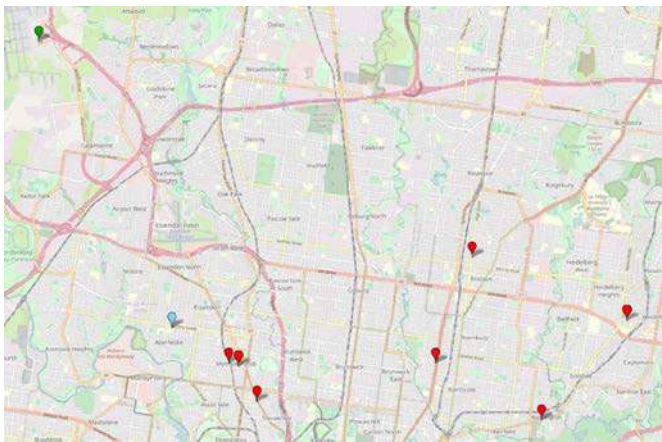
MELBOURNE

MELBOURNE NORTH	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	0
EDUCATION	0	0
HEALTH	3	2
HOTEL	0	2
MIXED USE	1	0
RECREATION	0	0
RESIDENTIAL	15	7
RETAIL	1	0
TOTAL	20	11

The north saw a fall of nine cranes, falling from 20 to 11. Thirteen cranes were removed from completed developments across all sectors, with two new cranes each at Melbourne Airport and Aberfeldie.

MELBOURNE SOUTH	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	3	3
EDUCATION	0	0
HEALTH	2	3
HOTEL	0	0
MIXED USE	2	1
RECREATION	0	0
RESIDENTIAL	19	20
RETAIL	0	0
TOTAL	26	27

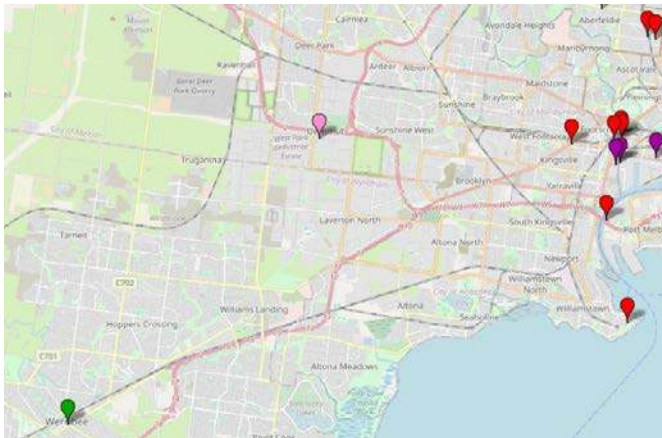
The south saw an increase in one crane across the region. This is due to the increase in residential and health cranes. The south also recorded the only increase in residential cranes, increasing by one to twenty. In contrast to this increase the mixed used sector fell by one.



MELBOURNE

MELBOURNE WEST	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	2	4
COMMERCIAL	0	0
EDUCATION	0	0
HEALTH	0	0
HOTEL	1	1
MIXED USE	0	1
RECREATION	0	0
RESIDENTIAL	9	8
RETAIL	0	0
TOTAL	12	14

The west grew its total crane numbers by two. Footscray remains the hotspot for the west, with ten cranes. While the residential sector remains the largest, the civil sector experienced the largest increase of two cranes.



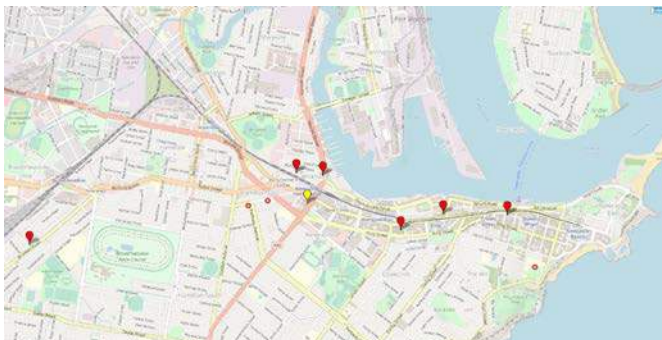
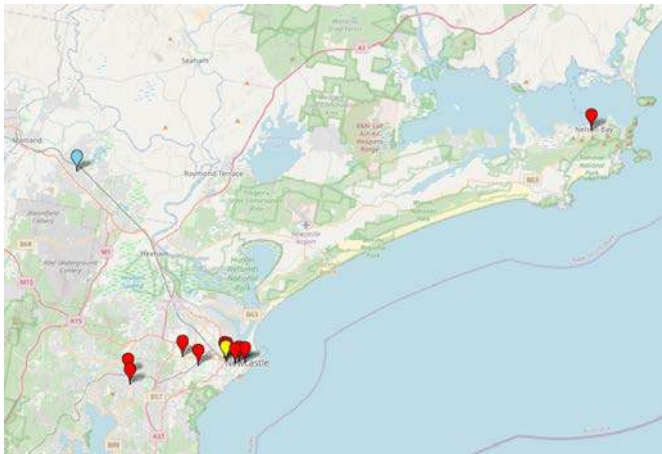
NEWCASTLE

Newcastle's RLB Crane Index® decreased by 24% to 163 from its previous record high of 213. Three cranes were added with seven removed bringing the total count to 13, down from the previous 17.

With a net decrease to commercial, mixed use and residential, health is the only sector which remained unchanged. Due to the decrease in commercial and mixed-use sectors, residential now represents 77% of all cranes in Newcastle.

The only construction sites with two cranes continue to be East End Apartments and Maitland Hospital.

The three new cranes which have been erected since the last publication have been recorded at 124 Bunker Rd, (Adamstown), Sky Apartments (Newcastle) and Belvedere (New Lambton).



KEY SECTORS

COMMERCIAL	
HEALTH	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

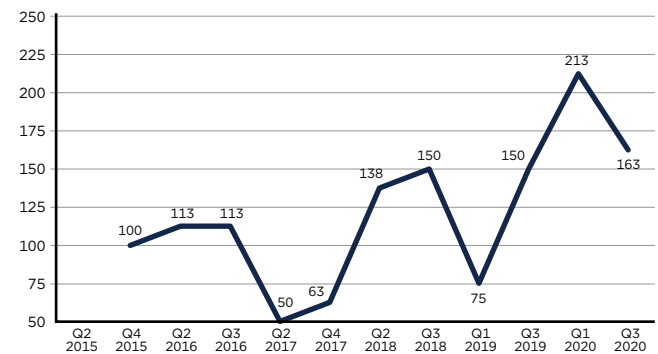


LEGEND

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

BASE = Q4 2015 = 100



CRANE ACTIVITY - NEWCASTLE

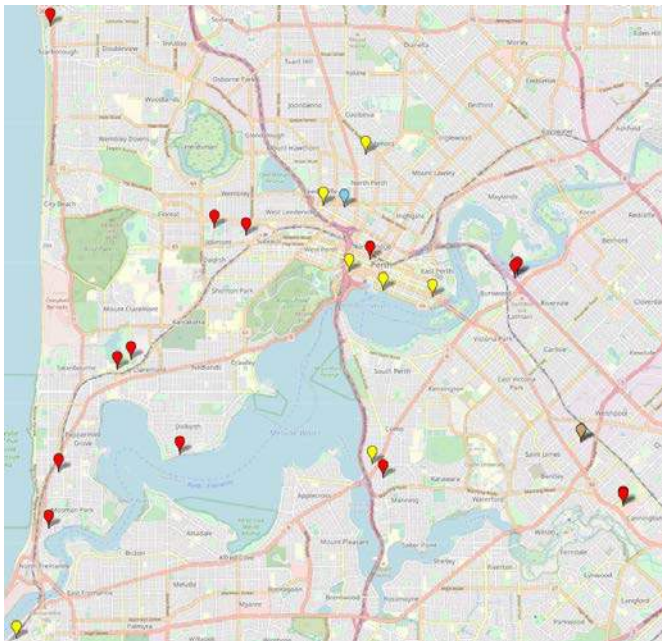
	OPENING COUNT Q1 2020			MOVEMENT			CLOSING COUNT Q3 2020		
		%		+	-	NET		%	
CIVIC	0	0.00%		0	0	0	0	0.00%	
CIVIL	0	0.00%		0	0	0	0	0.00%	
COMMERCIAL	2	11.80%		0	-1	-1	1	7.70%	
EDUCATION	0	0.00%		0	0	0	0	0.00%	
HEALTH	2	11.80%		0	0	0	2	15.40%	
HOTEL	0	0.00%		0	0	0	0	0.00%	
MIXED USE	2	11.80%		0	-2	-2	0	0.00%	
RECREATION	0	0.00%		0	0	0	0	0.00%	
RESIDENTIAL	11	64.70%		3	-4	-1	10	76.90%	
RETAIL	0	0.00%		0	0	0	0	0.00%	
TOTAL	17	100.00%		3	-7	-4	13	100.00%	

PERTH

Perth saw a slight decrease in the RLB Crane Index® of 2% with the index falling to 84. Nine cranes were added in the past six months, in the commercial, residential, and retail sectors. Ten cranes were removed across all sectors. Thirty-six cranes can now be seen across Perth.

Construction work done in the 2020 financial year increased by 1.4% across Western Australia, while residential work done was down by 13%. This decrease is offset with an increase of 3.6% and 5.6% in non-residential and engineering work respectively.

Residential cranes saw the addition and removal of five cranes in this edition, with new cranes being added at Alocasia Residences (Como), Glyde St (Mosman Park), Siskas at Taskers (North Fremantle), 553-561 Wellington St (Perth) and Element 27 (Subiaco). Five cranes were removed at Autura Apartments (Ardross) RAAFA (Bullcreek), Arthouse (Joondalup), Vantage Apartments (Rivervale) and 16/18 Ventnor Ave (West Perth).



KEY SECTORS

CIVIL	
COMMERCIAL	
EDUCATION	
HEALTH	
HOTEL	
MIXED USE	
RESIDENTIAL	
RETAIL	

OVERALL STATUS

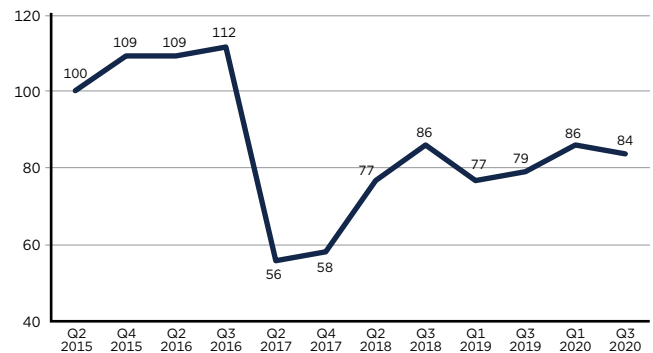


LEGEND

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

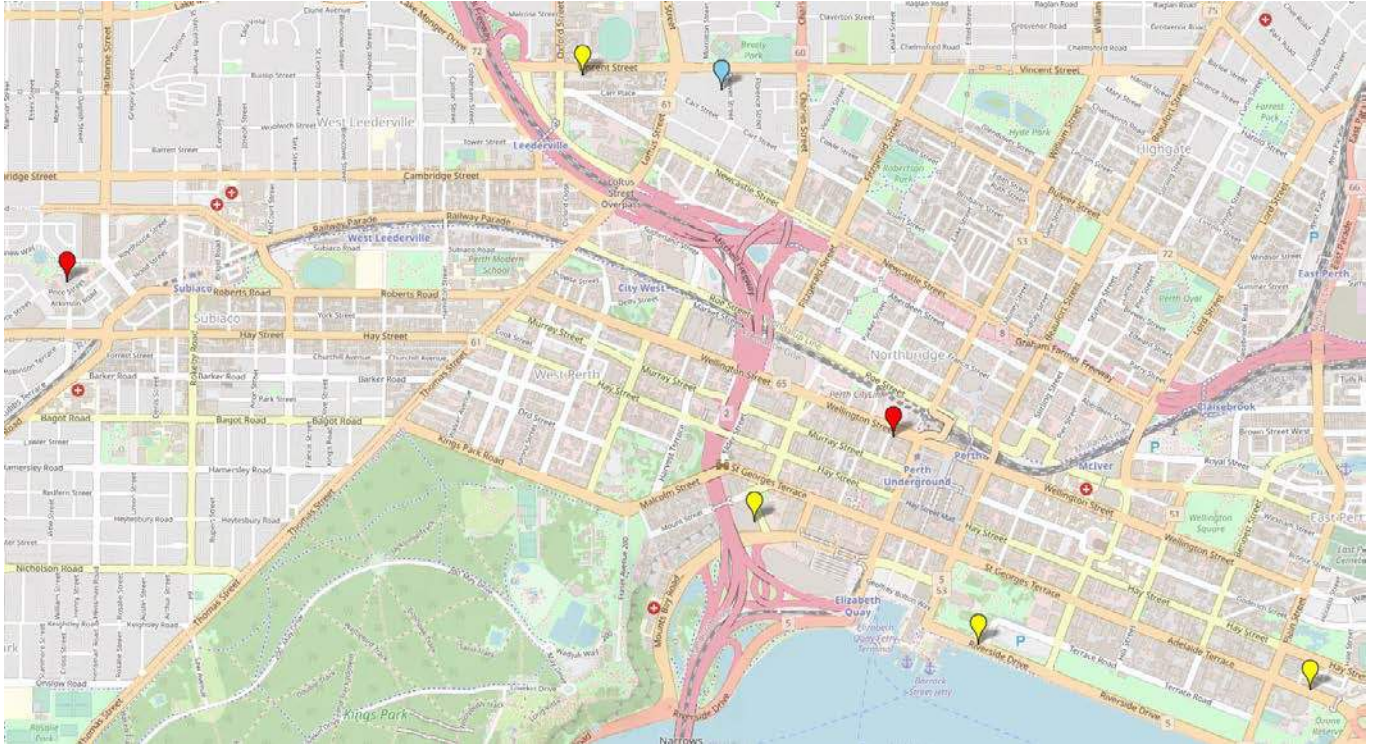
BASE = Q2 2015 = 100



CRANE ACTIVITY - PERTH

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.00%	0	0	0	0	0.00%
CIVIL	1	2.70%	0	-1	-1	0	0.00%
COMMERCIAL	6	16.20%	2	0	2	8	22.20%
EDUCATION	9	24.30%	0	-1	-1	8	22.20%
HEALTH	1	2.70%	0	0	0	1	2.80%
HOTEL	2	5.40%	0	-2	-2	0	0.00%
MIXED USE	1	2.70%	0	-1	-1	0	0.00%
RECREATION	0	0.00%	0	0	0	0	0.00%
RESIDENTIAL	15	40.50%	5	-5	0	15	41.70%
RETAIL	2	5.40%	2	0	2	4	11.10%
TOTAL	37	100.00%	9	-10	-1	36	100.00%

PERTH



Despite a fall of one crane, the education sector still comprises 22% of all cranes in the state, with eight cranes. The Greater Curtain project remains that largest individual project by crane count in the state, with a total of seven cranes. The current development is the first stage of the master plan, aimed at reshaping Curtin University.

The commercial sector saw the addition of two cranes at the Chevron Office development.

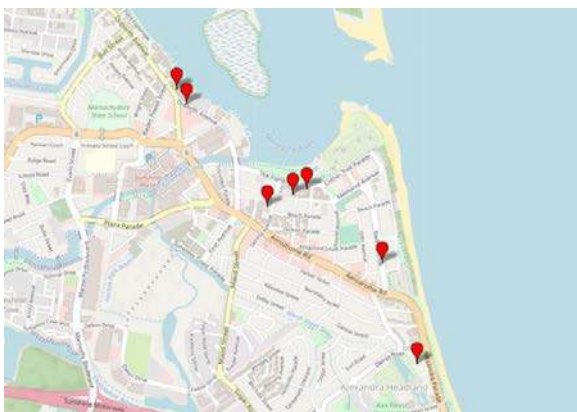
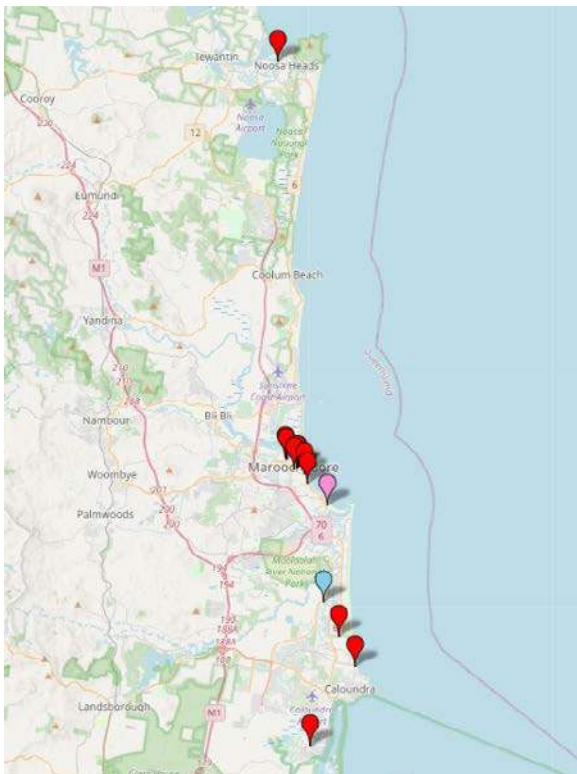
SUNSHINE COAST

The Sunshine Coast RLB Crane Index® has increased by 36% to 150. The region saw the removal of three and an addition of seven cranes, bringing the total crane numbers across the coast to fifteen, an increase of four cranes.

Residential cranes remain the most prolific, with this sector possessing thirteen out of the fifteen cranes erected in the Sunshine Coast. The Mooloolaba Carpark site holds the only mixed-use crane.

Cranes were dismantled from The Avenue and Foundation Place (Maroochydore) and Forest Edge (Slippy Downs).

New residential cranes were erected at the Curve (Birtinya) and at Botanica, Driftwood, Essence and Plantation (Maroochydore).



KEY SECTORS

COMMERCIAL	
HEALTH	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

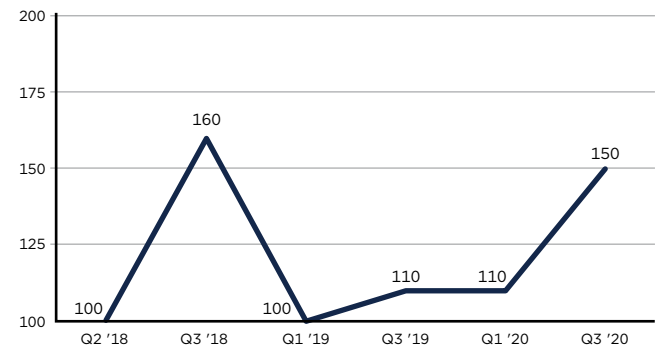


LEGEND

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

BASE = Q2 2018 = 100



CRANE ACTIVITY - SUNSHINE COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.00%	0	0	0	0	0.00%
CIVIL	0	0.00%	0	0	0	0	0.00%
COMMERCIAL	1	3.70%	0	-1	-1	0	0.00%
EDUCATION	0	0.00%	0	0	0	0	0.00%
HEALTH	0	0.00%	1	0	1	1	6.70%
HOTEL	0	0.00%	0	0	0	0	0.00%
MIXED USE	1	9.10%	0	0	0	1	6.70%
RECREATION	0	0.00%	0	0	0	0	0.00%
RESIDENTIAL	9	81.80%	6	-2	4	13	86.70%
RETAIL	0	0.00%	0	0	0	0	0.00%
TOTAL	11	94.60%	7	-3	4	15	100.00%

SYDNEY

The Sydney RLB Crane Index® recorded a small fall, recording 183 for the Q3 2020 edition. This small decrease occurred due to Sydney losing a net total of two cranes, lowering the previous crane count of 299 to 297. During the past six months there have been 120 cranes removed throughout Sydney, and 118 new additions.

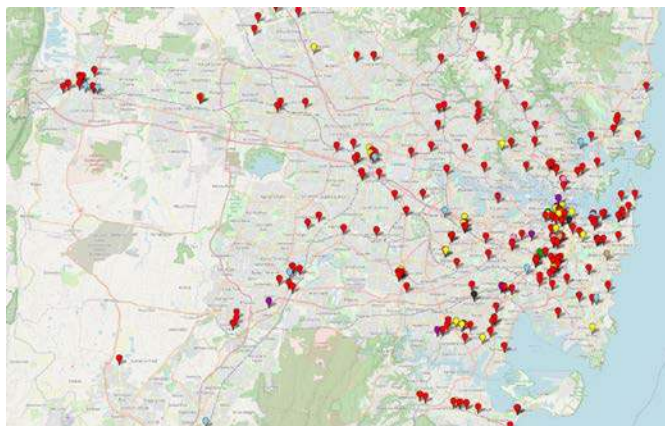
Sydney has recorded a decrease in crane numbers in three sectors; civil, education and residential. Hotel, mixed use and recreation remained the same and civic, commercial and health all experienced an increase in crane numbers.

The civic sector saw its first crane in over a year with a new crane at Chalmers St (Surry Hills).

The civil sector has decreased by six cranes with the removal of multiple cranes from WestConnex sites across greater Sydney, one crane from NorthConnex and two from the Barangaroo Train Station. One crane was erected in Chatswood and in the CBD bringing the total sector's count to nine.

The commercial sector increased to 36, an increase of four cranes. 12 new cranes were added across Sydney with eight cranes removed. New cranes include developments in Alexandria, Beverley Park, Kogarah, Lane Cove West, St Leonards and Sydney. Two cranes were removed from Denison Place (North Sydney) with cranes also removed from projects in Macquarie Park, Strathfield, Surry Hills, Sydney and Turramurra.

The education sector experienced another decrease, reducing their total to two cranes. Since the last crane count Redlands Collage (Cremorne) and the UTS City Campus (Ultimo) have dismantled both their cranes. The only new crane added was at St Caths RPAC (Waverley).



KEY SECTORS

CIVIC	↑
CIVIL	↓
COMMERCIAL	↑
EDUCATION	↓
HEALTH	↑
HOTEL	↓
MIXED USE	↓
RECREATION	↓
RESIDENTIAL	↑

OVERALL STATUS

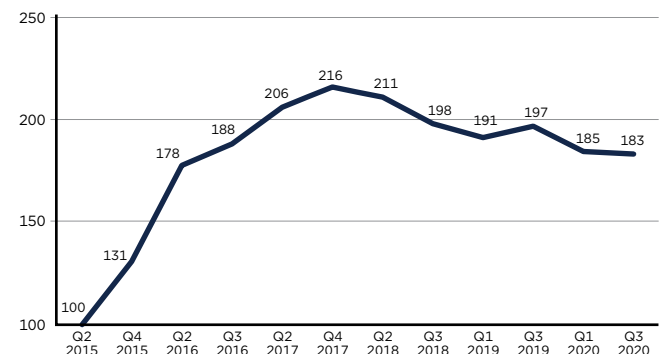


LEGEND

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

BASE = Q2 2015 = 100



CRANE ACTIVITY - SYDNEY

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.00%	1	0	1	1	0.30%
CIVIL	15	5.00%	2	-8	-6	9	3.00%
COMMERCIAL	32	10.70%	12	-8	4	36	12.10%
EDUCATION	3	1.00%	1	-2	-1	2	0.70%
HEALTH	4	1.30%	12	-2	10	14	4.70%
HOTEL	3	1.00%	1	-1	0	3	1.00%
MIXED USE	4	1.30%	1	-1	0	4	1.30%
RECREATION	2	0.70%	1	-1	0	2	0.70%
RESIDENTIAL	236	78.90%	87	-97	-10	226	76.10%
RETAIL	0	0.00%	0	0	0	0	0.00%
TOTAL	299	100.00%	118	-120	-2	297	100.00%

SYDNEY

The health sector experienced the largest single increase of all sectors, increasing by ten to 14 cranes. Two cranes were removed, while 12 new cranes were erected in Campbelltown, Darlinghurst, Hornsby, Kingswood, Leumeah, Liverpool, Oran Park, Penrith, St Leonards and Westmead. Despite the substantial increase this sector currently represents 5% of all cranes in Sydney.

The hotel sector recorded no net change with an additional crane added to 45 Murray Street and a crane removed from The Star Casino.

The mixed-use sector experienced no net change in this edition. Central Station (Ultimo) has erected one additional crane, bringing their total to two, while 11 Bank St has dismantled their only crane.

With the removal of the Dee Why RSL crane and the erection of one crane at the Warwick Lane Precinct Redevelopment, the recreation sector experienced no net change in this edition.

Despite the decrease of ten cranes, the residential sector continues to be the largest user of cranes in Sydney. This sector saw the commencement of 87 new cranes and the removal of 97, bringing the total count to 226. Pelican Estate (Schofield) remains the single largest project by crane count in New South Wales with seven cranes. The residential sector now represents 76% of cranes across the city.

Inner Sydney saw the erection of 29 cranes with the removal of 31, bringing the total crane count to 90. Residential and civil cranes comprised the majority of removed cranes. Twenty-one residential and four civil cranes were removed. Fifty-five residential cranes and 19 commercial cranes are currently on developments across the region.

INNER SYDNEY	Q1 2020	Q3 2020
CIVIC	0	1
CIVIL	10	7
COMMERCIAL	18	19
EDUCATION	2	1
HEALTH	0	1
HOTEL	3	3
MIXED USE	2	2
RECREATION	1	1
RESIDENTIAL	56	55
RETAIL	0	0
TOTAL	92	90

CRANE ACTIVITY - SYDNEY REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
INNER SYDNEY	92	30.80%	29	-31	-2	90	30.30%
EAST	32	10.70%	15	-16	-1	31	10.40%
NORTH	62	20.70%	28	-33	-5	57	19.20%
SOUTH	47	15.70%	24	-26	-2	45	15.20%
WEST	66	22.10%	22	-14	8	74	24.90%
TOTAL	299	100.00%	118	-120	-2	297	100.00%

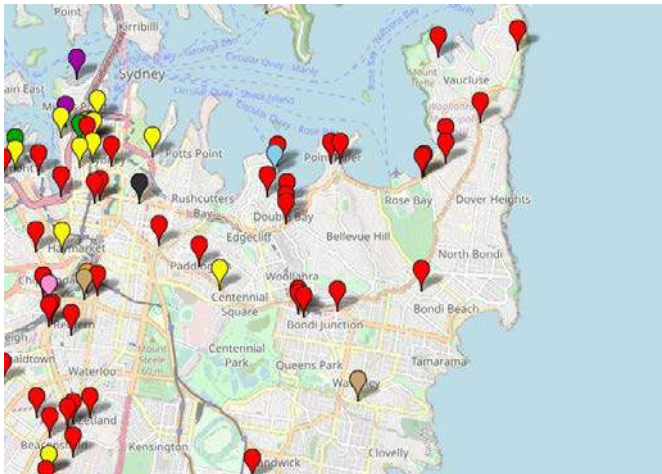
Across Sydney's five main regions, all regions, with the exception of the west, experienced a decrease in crane numbers. The fall of five cranes in the north was the largest decrease. Western Sydney in comparison recorded an increase of eight cranes.



SYDNEY

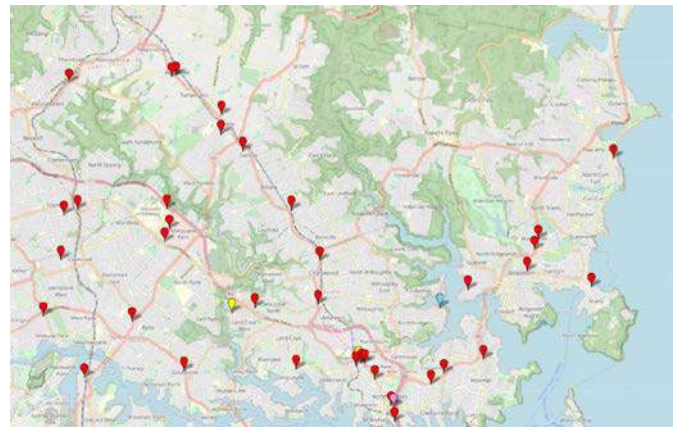
SYDNEY EAST	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	0	0
COMMERCIAL	0	0
EDUCATION	0	1
HEALTH	0	0
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	0
RESIDENTIAL	32	30
RETAIL	0	0
TOTAL	32	31

Cranes in the east fell by one to now number 31. Sixteen cranes were removed from residential sites across the region, offset by 15 new cranes.



SYDNEY NORTH	Q3 2019	Q1 2020
CIVIC	0	0
CIVIL	1	1
COMMERCIAL	6	5
EDUCATION	1	0
HEALTH	3	2
HOTEL	0	0
MIXED USE	1	1
RECREATION	1	0
RESIDENTIAL	49	48
RETAIL	0	0
TOTAL	62	57

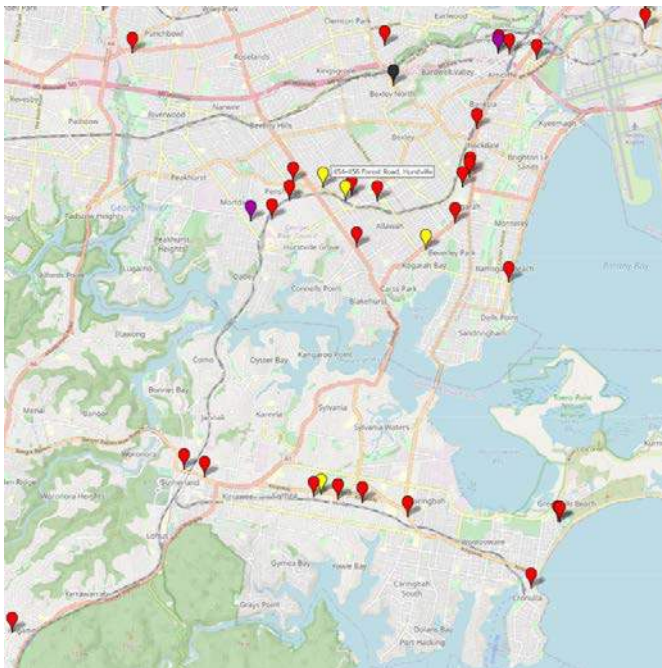
Cranes across the north recorded a fall of five, decreasing to 57, the lowest number recorded for over three years. A total of 28 cranes were added to sites and 33 cranes were removed. The majority of cranes are still located on the main commuter corridors.



SYDNEY

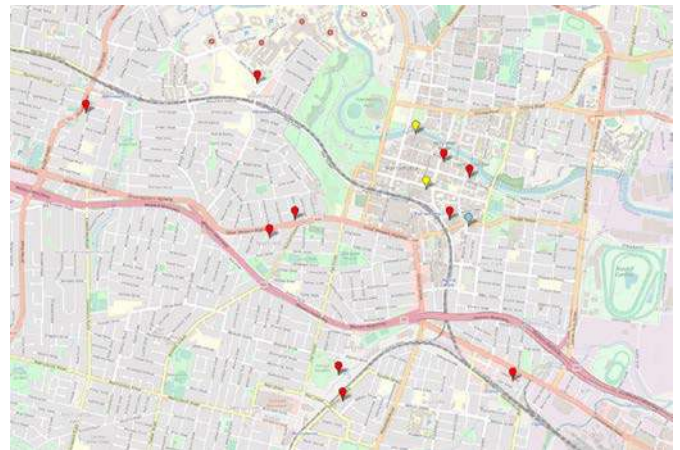
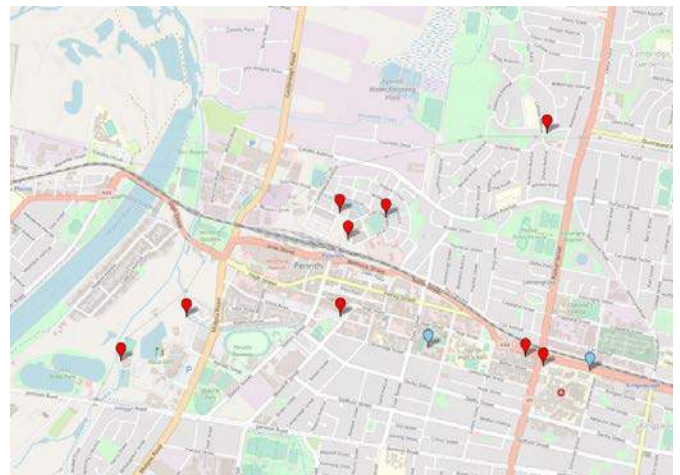
SYDNEY SOUTH	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	3	0
COMMERCIAL	3	7
EDUCATION	0	0
HEALTH	0	5
HOTEL	0	0
MIXED USE	1	1
RECREATION	0	0
RESIDENTIAL	40	32
RETAIL	0	0
TOTAL	47	45

The region south of Sydney recorded a fall of two cranes, with residential falling by eight cranes. Strong growth in health cranes contributed to mitigating a large drop in this area's total numbers. Twenty-four cranes were added and 26 were removed from sites across the region.



SYDNEY WEST	Q1 2020	Q3 2020
CIVIC	0	0
CIVIL	1	1
COMMERCIAL	5	5
EDUCATION	0	0
HEALTH	1	6
HOTEL	0	0
MIXED USE	0	0
RECREATION	0	1
RESIDENTIAL	59	61
RETAIL	0	0
TOTAL	66	74

The region of Sydney West was the only area that experienced a growth of cranes, with eight cranes being added, bringing the region's total to 74. The west also experienced the only growth in residential cranes, increasing this sector's cranes to 61. Twenty-two cranes were added and 14 removed from developments.



WOLLONGONG

Wollongong's RLB Crane Index® has continued to fall since it was introduced as an independent region in Q3 2019. The index is now stands at 61, down 22% from Q1 2020.

There are now 11 cranes across the Wollongong LGA, with 10 in the Wollongong CBD.

This fall of four cranes was due to a decrease of ten cranes, five of which belonged to the residential sector, and an increase of six new cranes. Of the six new cranes, four are residential, which now represents 64% of all cranes in the city.

Ten cranes were removed from projects since our last edition with some notable projects now nearing completion. These include the Gateway on Keira, an A-grade office development at 134-140 Keira Street and larger mixed-use projects; Avante (3 Rawson Street) and Signature (10-18 Regent Street). The crane at the University Of Wollongong campus has been removed.

There were three new residential additions within the Wollongong CBD and a new crane in Corrimal, 10 minutes north of the CBD, being a smaller mixed-use affordable housing project.

Within Wollongong's CBD, the new Laing's Corner development commenced construction, which is historically the largest A-grade office development in Wollongong (12,700 sqm).

Crownview, which initially commenced its construction in late 2017, has recently restarted its construction works, and it is currently the only site in Wollongong with two cranes.

KEY SECTORS

COMMERCIAL	
EDUCATION	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

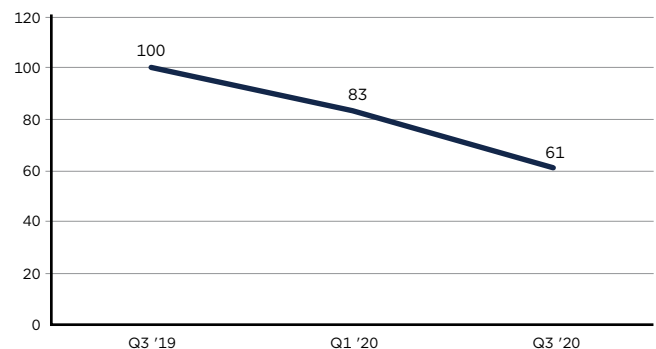


LEGEND

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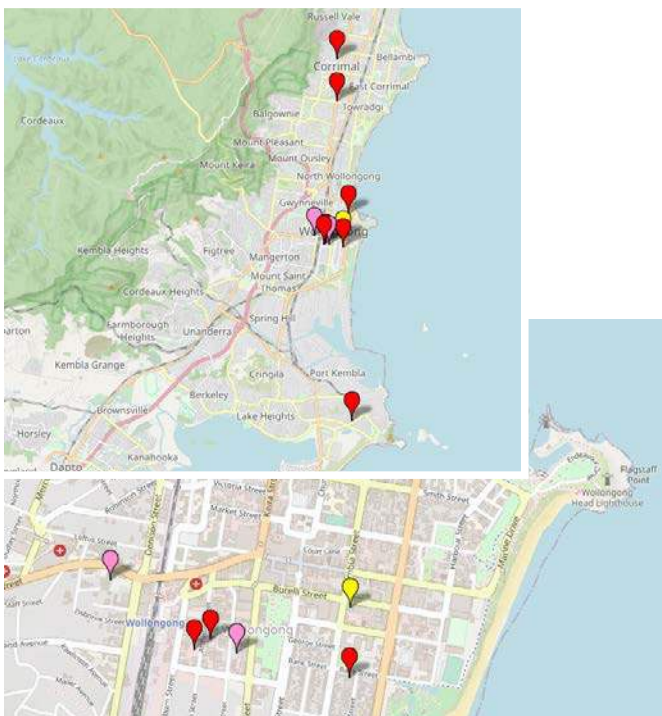
RLB CRANE INDEX® - WOLLONGONG

BASE = Q3 2019 = 100



CRANE ACTIVITY - WOLLONGONG

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2020	%	+	-	NET	Q3 2020	%
CIVIC	0	0.00%	0	0	0	0	0.00%
CIVIL	0	0.00%	0	0	0	0	0.00%
COMMERCIAL	2	13.30%	0	-1	-1	1	9.10%
EDUCATION	1	6.70%	0	-1	-1	0	0.00%
HEALTH	0	0.00%	0	0	0	0	0.00%
HOTEL	0	0.00%	0	0	0	0	0.00%
MIXED USE	4	26.70%	2	-3	-1	3	27.30%
RECREATION	0	0.00%	0	0	0	0	0.00%
RESIDENTIAL	8	53.30%	4	-5	-1	7	63.60%
RETAIL	0	0.00%	0	0	0	0	0.00%
TOTAL	15	100.00%	6	-10	-4	11	100.00%



ABOUT THE RLB CRANE INDEX®

The RLB Crane Index® is published by Rider Levett Bucknall biannually in Australia, New Zealand, USA, Gulf States and Southern 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 Q2 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 Q2 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 Q2 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 Q2 2015, against the count in Q2 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