



Q1 2022 RLB CRANE INDEX® HIGHLIGHTS:

- This is the 20th edition of the RLB Crane Index®
- With 95 cranes added to the skyline, there are currently 813 cranes in Australia. This is the highest number of cranes recorded since the inception of the Index in Q3 2012
- At 191, the RLB Crane Index has recorded its highest value to date
- The non-residential index reached a record high, with a value of 261 (compared to 241 in the last edition)
- The residential index rose for the first time in six editions
- Gold Coast, Perth, Sydney and Sunshine Coast record their highest number of cranes since the inception of the Index in Q3 2012
- The civil, commercial, health and other / mixed use sectors are currently at their highest levels since the inception of the Index
- The new Footscray Hospital in Melbourne is the project with the greatest number of cranes in Australia (ten)

Q1 2022 RLB CRANE INDEX® SUMMARY:

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

LEGEND

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

AUSTRALIA

In Q1 2022, crane numbers across Australia increased by 95, a 13% increase on the last quarter. This is the highest number of cranes seen across Australia since the inaugural count, twenty editions ago.

Since the outbreak of the COVID-19 pandemic, the construction industry has shown remarkable resilience. Construction work done for the calendar year 2021 was up by 1.8%, (or \$3.7B), across Australia compared to 2020. Total residential work done increased by 4.9% (or \$3.5B), and engineering activity also increased by 0.9%. Non-residential activity dropped by 1.4% (or \$0.7B).

Strong growth in approval levels through 2021 saw a lift in the total value of approvals of 22% across the nation. Multi-level apartments (+21%), houses (+31%), health (+97%) and industrial (+27%), all significantly contributed to this increase

Strong crane growth was seen in all sectors with the non-residential sector recording another strong result recording its fourth record high over the past four editions of the Index.

With record levels of residential approvals across the country, the residential index rose for the first time in six editions.

The Federal Government's residential construction stimulus measures assisted the economy, with the sector recording an increase of 63 cranes in this edition. The residential index rose by 14%, the highest value since Q3 2019. Residential cranes now number 506, or 62% of all cranes across Australia.

Multi-storey residential developments have recovered from their fourth consecutive fall, mirroring the rise in building approvals and work done in this subsector during 2021.

The non-residential index continued to rise, recording 267 cranes—up 12% compared to Q1 2021. This index result is another record level since the inception of the index.

The industries hit hardest by the lockdowns during 2020 and 2021, namely tourism, retail and commercial, recorded rises in crane numbers in this edition.

Commercial rose by 10 cranes, hotels by one and retail by two.

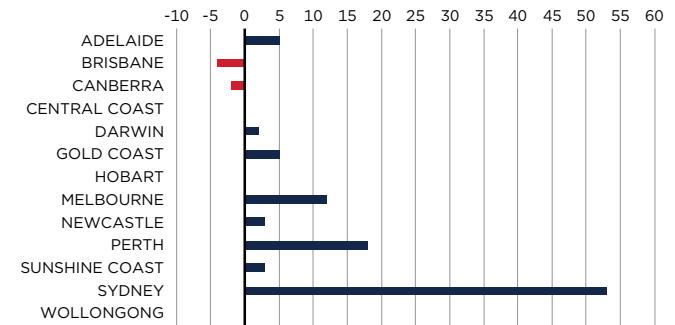
The civil and civic sectors saw a small drop with a loss of four cranes each. Recreation fell by two cranes. Health (up eight) and mixed use / other (up 18), both recorded increases in crane numbers across the country.

Since our last edition, 363 cranes were added to our skylines and 258 were removed.

Sydney's crane numbers increased by 53 (56% of the total increase recorded) to total 348 cranes. This represents 43% of all cranes across the country. Perth and Melbourne recorded double figure lifts in crane numbers of 18 and 12 respectively. On a percentage basis, both Adelaide and Perth recorded crane rises of more than 40% when compared to Q3 2021 results.

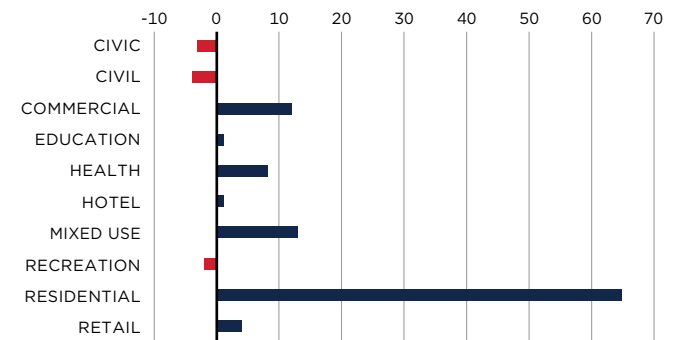
AUSTRALIA NET CRANE MOVEMENT BY CITY

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	
	Q3 2021	%	+	-	NET	Q1 2022	%
ADELAIDE	11	1.5%	8	-3	5	16	2.0%
BRISBANE	83	11.6%	26	-30	-4	79	9.7%
CANBERRA	33	4.6%	15	-17	-2	31	3.8%
CENTRAL COAST	10	1.4%	3	-3	0	10	1.2%
DARWIN	0	0.0%	2	0	2	2	0.2%
GOLD COAST	35	4.9%	16	-11	5	40	4.9%
HOBART	0	0.0%	0	0	0	0	0.0%
MELBOURNE	180	25.1%	87	-75	12	192	23.6%
NEWCASTLE	9	1.3%	7	-4	3	12	1.5%
PERTH	37	5.2%	27	-9	18	55	6.8%
SUNSHINE COAST	13	1.8%	9	-6	3	16	2.0%
SYDNEY	295	41.1%	149	-96	53	348	42.8%
WOLLONGONG	12	1.7%	4	-4	0	12	1.5%
TOTAL	718	100.0%	353	-258	95	813	100.0%

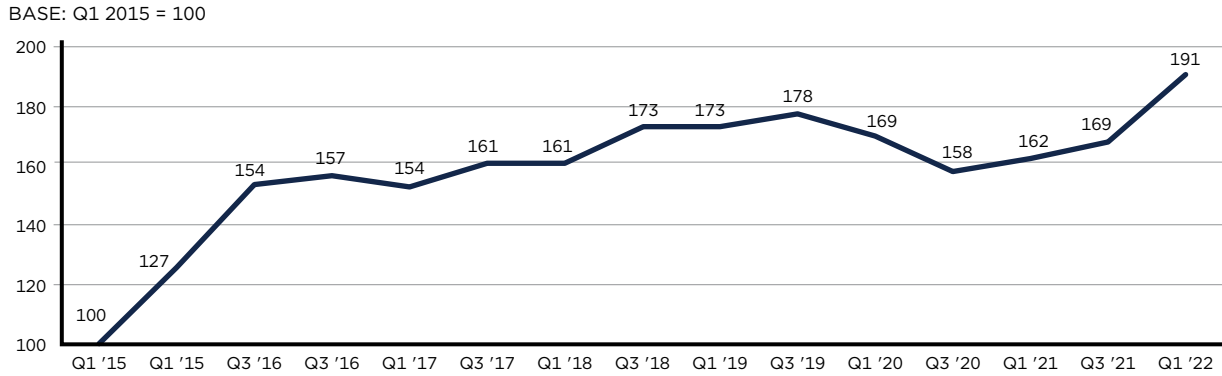
CRANE ACTIVITY - AUSTRALIA BY SECTOR

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	20	2.8%	7	-11	-4	16	2.0%
CIVIL	41	5.7%	9	-13	-4	37	4.6%
COMMERCIAL	70	9.7%	34	-24	10	80	9.8%
EDUCATION	22	3.1%	10	-9	1	23	2.8%
HEALTH	34	4.7%	23	-15	8	42	5.2%
HOTEL	11	1.5%	6	-5	1	12	1.5%
MIXED USE	68	9.5%	35	-17	18	86	10.6%
RECREATION	8	1.1%	4	-6	-2	6	0.7%
RESIDENTIAL	443	61.7%	220	-157	63	506	62.2%
RETAIL	1	0.1%	5	-1	4	5	0.6%
TOTAL	718	100.0%	353	-258	95	813	100.0%

AUSTRALIA

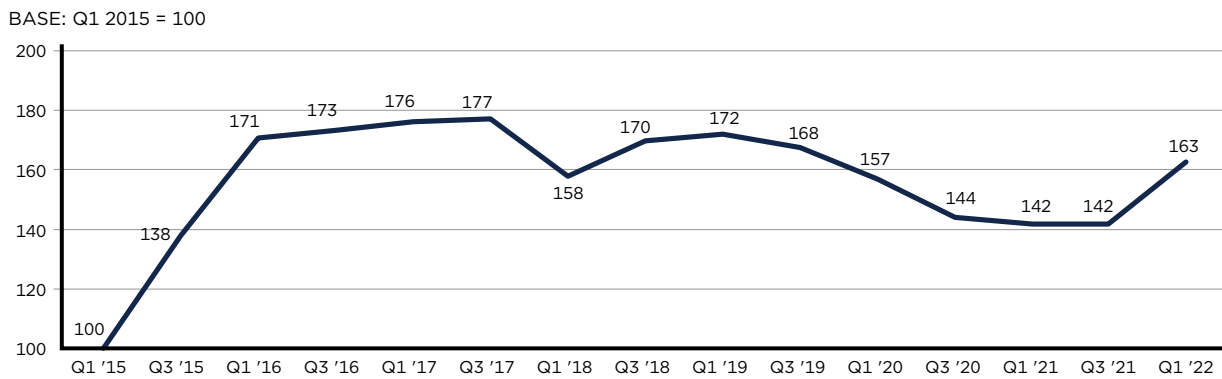
RLB CRANE INDEX®

The RLB Crane Index® rose in this edition to 191. This is the highest recorded value for the Index since its inception in Q3 2012.



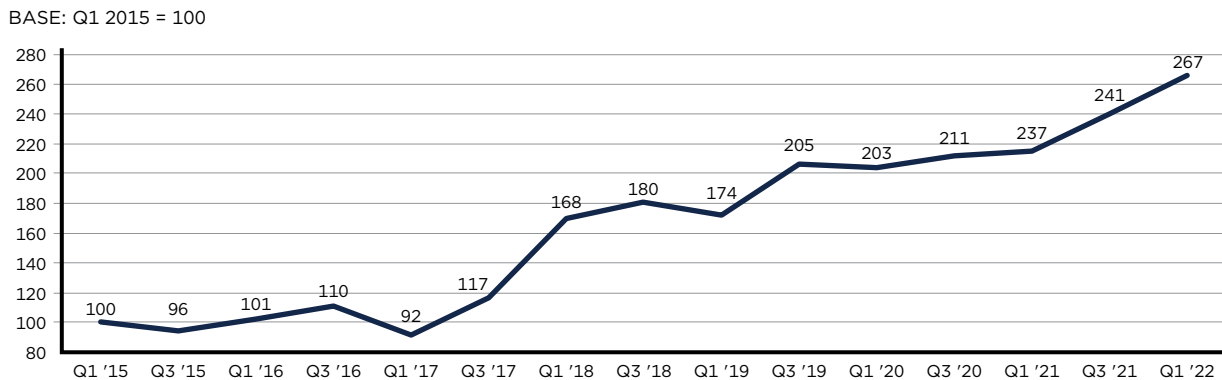
RESIDENTIAL AUSTRALIAN INDEX

The residential index rose for the first time since Q1 2019, to reach 163. This is a 15% increase compared to Q1 2022.



NON-RESIDENTIAL SECTORS CRANE INDEX

Strong growth in cranes on non-residential projects is continued across the country. The current level of 267 is—once again—the highest recorded value for the index since its inception in Q3 2012.



ADELAIDE

Adelaide's RLB Crane Index® rose sharply for the first time in 5 editions to reach 267, up from 187 in Q3 2021. The index represented 16 cranes across the city, a net addition of five cranes. A total of eight new cranes were erected and three were removed since the last edition.

Construction activity during 2021 saw a 16.7% rise (\$2.1B) across all main sectors. Work done in the engineering sector saw a rise of (\$1.3B) or 22.7%. Residential activity rose by 2.3% (or \$80M), and non-residential work done up was by 23.2% (or \$630M).

Building approvals fell by 2.2% (\$170M) in 2021 compared to 2020. Residential approvals were up by 31.8% (\$1B) and non-residential down by 27.2%, (or \$1.2B).

Two new cranes were added to new developments at SAHMRI 2 on North Terrace (health) and the Festival Tower within the Riverbank Precinct (commercial). Single cranes were added to the Norwood Coles and apartments development (predominately residential), 57 Wyatt Street, Park Terrace Apartments on South Terrace (residential) and the GPO Hotel development in King William Street (residential).

Cranes remain on sites for:

- Cbus Office Building, 73 Pirie Street
- 60 King William commercial development
- Botten & Bowser, 69 Melbourne Street
- The Adelphi, 18 Adelphi Terrace
- Vibe Hotel, 260 Flinders Street
- Tryp Hotel, 266 Pulteney Street

Cranes have been removed from developments at:

- Student Accommodation, 203 North Terrace
- GSA Student Accommodation, 269 North Terrace
- The Brougham Apartments, 49 Brougham Place

The commercial sector has the greatest number of cranes within Adelaide at seven, up from four in our last index.

KEY SECTORS

COMMERCIAL	↑
HEALTH	↑
HOTEL	↓
RESIDENTIAL	↑

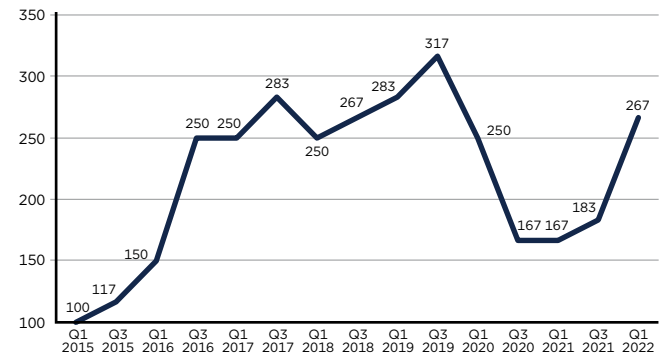


LEGEND

- ↑ INCREASE IN NUMBER OF CRANES
- ↓ DECREASE IN NUMBER OF CRANES
- ↔ CRANE NUMBERS STEADY

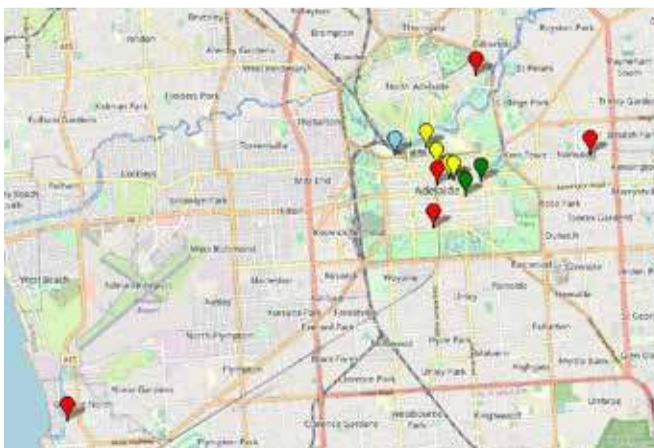
RLB CRANE INDEX® - ADELAIDE

BASE: Q1 2015 = 100



CRANE ACTIVITY - ADELAIDE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	4	36.4%	3	0	3	7	43.8%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	2	0	2	2	12.5%
HOTEL	2	18.2%	0	0	0	2	12.5%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	5	45.5%	3	-3	0	5	31.3%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	11	100.0%	8	-3	5	16	100.0%



BRISBANE

Brisbane's Crane Index fell from 114 to 108 in this edition. A total of 26 cranes were added and 30 were removed, resulting in 79 active cranes in the Brisbane area.

Across South East Queensland, crane numbers increased by 4 over our last count. The main increase was seen in the civil sector. Most other sectors remained steady. Across Brisbane, the Gold Coast and the Sunshine Coast, residential cranes increased by 1 to total 83, equivalent to 61.5% of all cranes in South East Queensland.

Construction work done across Queensland increased by 1.5% (or \$0.6B) in 2021. Residential work done was up by 18% (or \$2.2B), non-residential down by 8.0% (or \$0.6B) and engineering work done fell by 4.7 (or \$0.9B).

Queensland should see a strong pipeline of activity over the next few years with a strong increase in building approvals for 2021. Total building approvals were up by 26% (or \$4.9B). Residential approvals increased 46%, with all forms of dwelling types seeing strong increases. Apartment approvals were up by 65% compared to 2020.

Despite the strong residential growth, non-residential approvals rose slightly by 3.1%, with key falls in health and education.

The largest project in the region, the development at Queens Wharf, continued to have nine cranes assisting 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 42% or 33 of the cranes. This is followed by the mixed-use sector (largely through the Queens Wharf development) with 17 cranes.

Within mixed-use developments, four cranes were removed from Jubilee Place in the Valley (2 of), Prominence in Kangaroo Point and at the Thomas Dixon Centre in West End. New cranes were erected at Long Island Brisbane in Newstead and at West Village at West End.

KEY SECTORS

CIVIL	
COMMERCIAL	
EDUCATION	
HEALTH	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

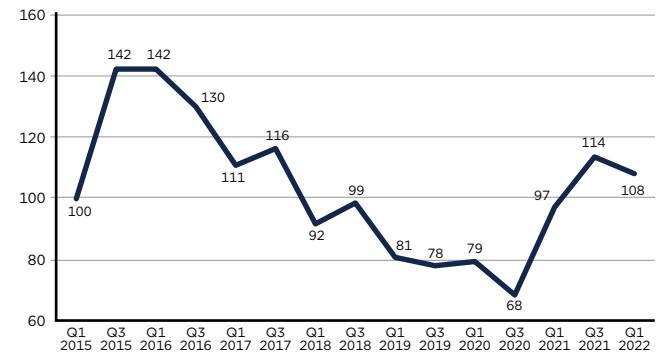


LEGEND

	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		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	13	15.7%	7	-3	4	17	21.5%
COMMERCIAL	5	6.0%	2	-2	0	5	6.3%
EDUCATION	5	6.0%	1	-2	-1	4	5.1%
HEALTH	3	3.6%	1	0	1	4	5.1%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	18	21.7%	2	-4	-2	16	20.3%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	39	47.0%	13	-19	-6	33	41.8%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	83	100.0%	26	-30	-4	79	100.0%

CRANE NUMBERS - SOUTH EAST QUEENSLAND (TOTALS INCLUDES BRISBANE, GOLD COAST & SUNSHINE COAST)

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	1	0.8%	0	0	0	1	0.7%
CIVIL	13	9.9%	7	-3	4	17	12.6%
COMMERCIAL	6	4.6%	4	-3	1	7	5.2%
EDUCATION	5	3.8%	1	-2	-1	4	3.0%
HEALTH	3	2.3%	1	0	1	4	3.0%
HOTEL	1	0.8%	0	-1	-1	0	0.0%
MIXED USE	20	15.3%	4	-5	-1	19	14.1%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	82	62.6%	34	-33	1	83	61.5%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	131	100.0%	51	-47	4	135	100.0%

BRISBANE

Once again, the civil sector saw strong net increases, with an addition four cranes added to projects across Brisbane, including:

- Cross River Rail - Dutton Park (2)
- Cross River Rail - Roma Street (2)
- Kangaroo Point Bridge (2)
- Cross River Rail - Bowen Hills Station (1)

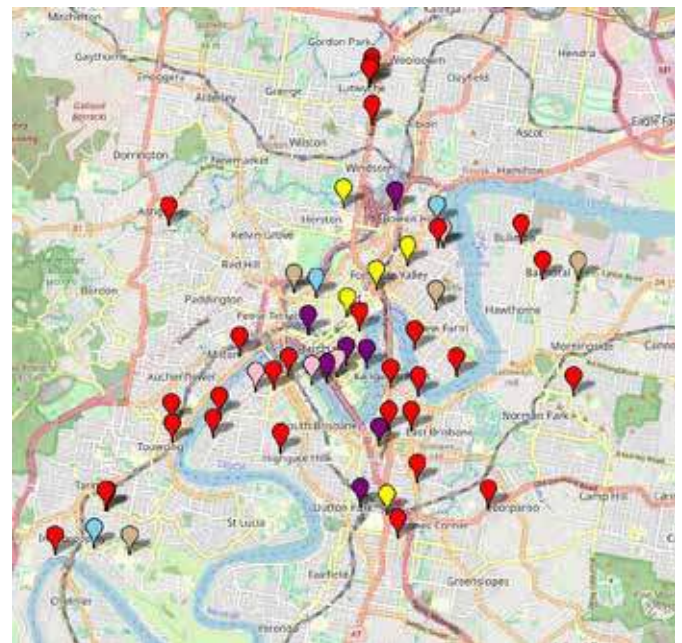
Civil cranes were removed from:

- Neville Bonner Bridge (2)
- Cross River Rail - Exhibition Station (1)

Residential cranes have fallen to 33, down by six cranes compared to the previous edition. Thirteen cranes were erected, with 19 removed. New cranes on projects were seen in: Bowen Hills, Highgate Hill, Indooroopilly, Lutwyche, New Farm, Newstead, Seven Hills, Taringa, Toowong, West End and Windsor.

CRANE ACTIVITY - BRISBANE REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CBD & SURROUNDS	53	63.9%	11	-20	-9	44	55.7%
EAST	2	2.4%	1	0	1	3	3.8%
NORTH	12	14.5%	7	-3	4	16	20.3%
SOUTH	7	8.4%	3	-2	1	8	10.1%
WEST	9	10.8%	4	-5	-1	8	10.1%
TOTAL	83	100.0%	26	-30	-4	79	100.0%



BRISBANE

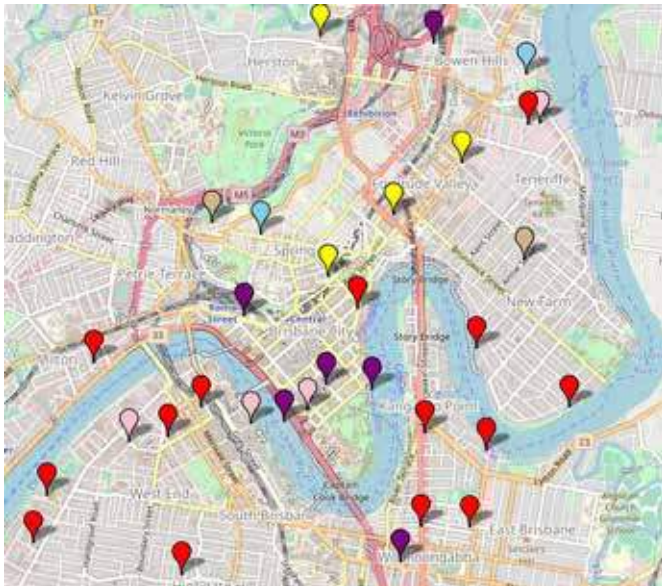
INNER BRISBANE	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	3	10	11
COMMERCIAL	2	3	4
EDUCATION	2	3	2
HEALTH	0	0	1
HOTEL	0	0	0
MIXED USE	18	16	13
RECREATION	0	0	0
RESIDENTIAL	14	21	13
RETAIL	0	0	0
TOTAL	39	53	44

Inner Brisbane continued to boast the highest proportion of cranes, home to 56% of all of Brisbane’s cranes. Crane numbers fell by nine this edition. A total of 20 cranes were removed, and 11 added, for a net loss of nine cranes. Queens Wharf’s nine cranes remains the largest project within the region, with 20% of all cranes within Inner Brisbane allocated to this project.

New cranes were added to:

- Cross River Rail, Roma Street
- 151 Roma Street, Brisbane
- Kangaroo Point Bridge
- 31 Duncan Street, Fortitude Valley
- The Oxlade, New Farm
- Brisbane Grammar School, Spring Hill
- Spring Hill Medical Centre
- West Village, West End
- Enclave, West End
- 198 Ipswich Road, Woolloongabba

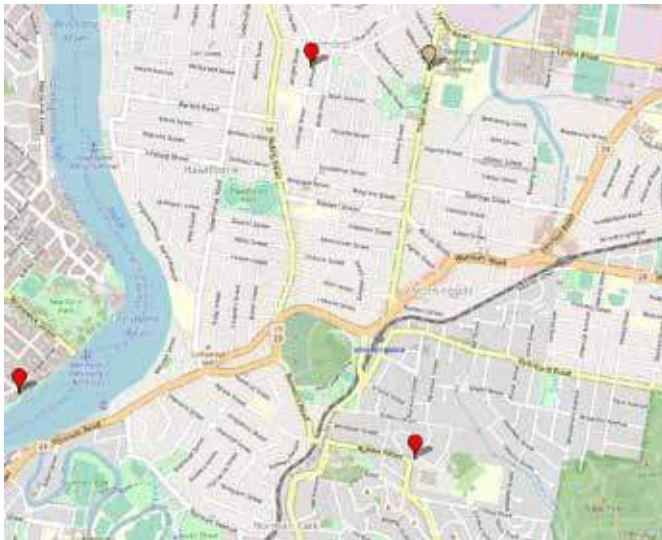
Twenty cranes were removed from projects in: Brisbane, Fortitude Valley, Kangaroo Point, New Farm, Spring Hill, West End and Woolloongabba.



BRISBANE

BRISBANE EAST	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	0	0	0
COMMERCIAL	0	0	0
EDUCATION	0	1	1
HEALTH	0	0	0
HOTEL	0	0	0
MIXED USE	1	0	0
RECREATION	0	0	0
RESIDENTIAL	6	1	2
RETAIL	0	0	0
TOTAL	7	2	3

BRISBANE NORTH	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	0	1	1
COMMERCIAL	0	2	1
EDUCATION	1	0	0
HEALTH	2	2	2
HOTEL	0	0	0
MIXED USE	0	2	3
RECREATION	0	0	0
RESIDENTIAL	6	6	9
RETAIL	0	0	0
TOTAL	9	12	16



Brisbane East saw an increase of one crane, for a total of three cranes across the region. There are two cranes in Balmoral at Dilkeria Street and Balmoral State High. One crane is assisting the Clearview Urban Village development in Seven Hills.



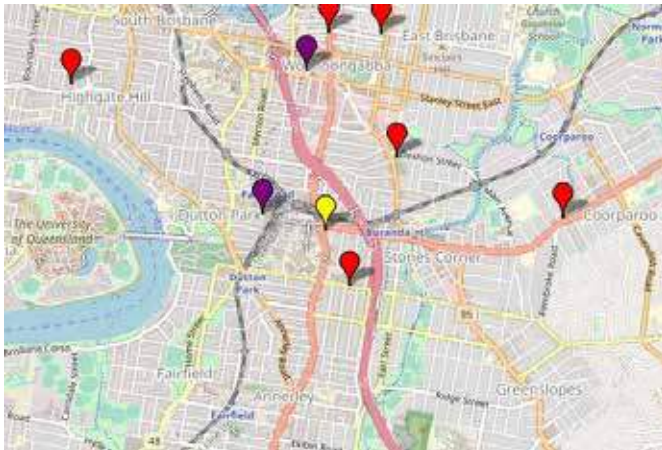
Brisbane North experienced an increase of four cranes this quarter, taking the total number of cranes to in this region to 16. Seven new cranes commenced and six were removed. New cranes were erected at Perry House in Bowen Hills, Cross River Rail - Bowen Hills Station, Chapel Street in Lutwyche, Long Island Brisbane, Bide Apartments in Newstead and Rob Lane Street in Windsor.

Cranes were removed from both Waterfront and E CO in Newstead.

BRISBANE

BRISBANE SOUTH	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	1	3	5
COMMERCIAL	0	0	0
EDUCATION	2	0	0
HEALTH	0	0	0
HOTEL	0	0	0
MIXED USE	2	0	0
RECREATION	0	0	0
RESIDENTIAL	3	4	3
RETAIL	0	0	0
TOTAL	8	7	8

BRISBANE WEST	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	1	0	0
COMMERCIAL	0	0	0
EDUCATION	2	1	1
HEALTH	0	1	1
HOTEL	0	0	0
MIXED USE	0	0	0
RECREATION	0	0	0
RESIDENTIAL	5	7	6
RETAIL	0	0	0
TOTAL	8	9	8



Brisbane South saw a net increase of one crane, with three additions and two removals. Eight cranes are on sites within the region.

Two additional cranes were added to the Cross River Rail project in Dutton Park, bringing a total of five cranes to this site. One crane was erected at the new Cirrus Highgate development.

Two cranes were removed from Renovare in Yeronga.



Brisbane West saw four additional cranes commence and five cranes removed, bringing the total cranes to eight. New cranes commenced on:

- 100 Goldieslie Rd, Indooroopilly
- Sonnet Residences, Taringa
- Deese, Taringa
- The Kensington, Toowong

Cranes were removed from:

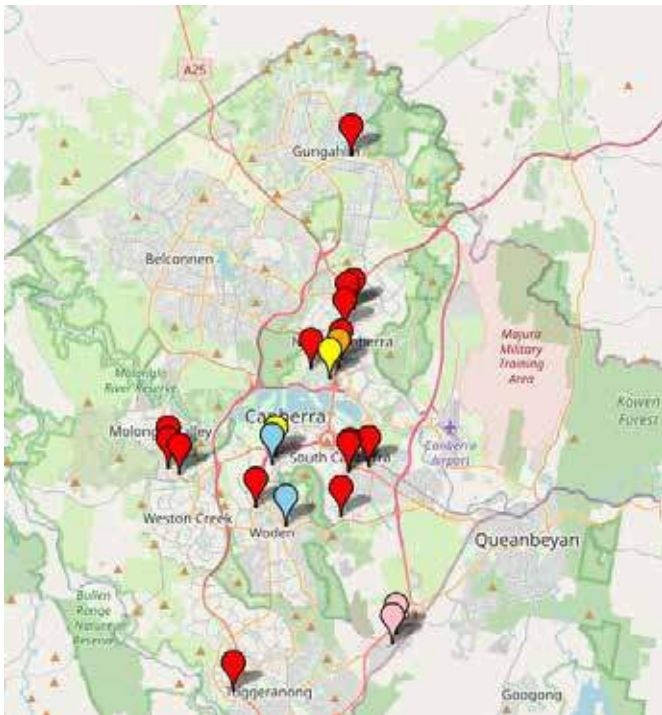
- Somerset Indooroopilly (2)
- 160 Macquarie St, St Lucia (2)
- University of Queensland, Student Accommodation

CANBERRA

Canberra's RLB Crane Index® recorded a value of 620 for Q1 2022—a drop compared to the previous publication, which saw the highest ever recorded index for the city. Crane numbers decreased by two from the last count to reach 31, with 17 removals and 15 additions. This is the second highest number of cranes seen in Canberra since the crane index commenced in 2013.

The capital's construction activity reflects the positive building approval levels seen over 2021. The value of building approvals increased 34% (\$0.8B) compared to 2020 levels.

Construction work done for 2021 was down by 5.4% or \$0.2B from 2020. Residential activity was down by 9.5% and non-residential activity was down by 6.8%. Offsetting some of this decline was engineering work done, which increased by 11.1%.



KEY SECTORS

CIVIC	↑
COMMERCIAL	↓
EDUCATION	↑
HEALTH	↓
MIXED USE	↓
RESIDENTIAL	↓



LEGEND

- ↑ INCREASE IN NUMBER OF CRANES
- ↓ DECREASE IN NUMBER OF CRANES
- ↕ CRANE NUMBERS STEADY

RLB CRANE INDEX® - CANBERRA

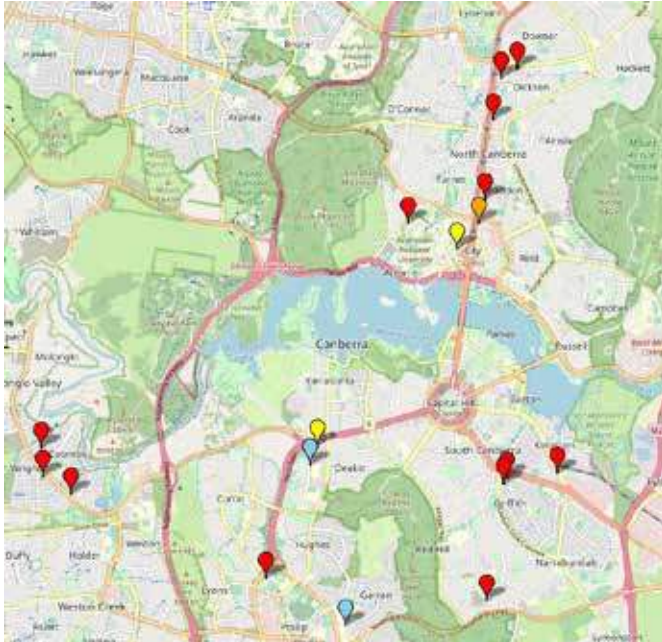
BASE: Q1 2015 = 100



CRANE ACTIVITY - CANBERRA

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	6	18.2%	0	-5	-5	1	3.2%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	3	9.1%	0	0	0	3	9.7%
EDUCATION	1	3.0%	0	-1	-1	0	0.0%
HEALTH	1	3.0%	2	-1	1	2	6.5%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	3	9.1%	2	-1	1	4	12.9%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	19	57.6%	11	-9	2	21	67.7%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	33	100.0%	15	-17	-2	31	100.0%

CANBERRA



The majority of the 15 additional cranes were added in the residential sector (11 cranes). New cranes are now operating at Deakin Health Hub and the Canberra Hospital Expansion Project with two cranes erected for the Canberra Data Centre project, in Hindmarsh.

New residential projects include:

- M42, Braddon
- Molonglo Falls, Coombs
- Del-Rey, Coombs
- Dickson Village, Dickson
- Mulberry, Dickson
- Aspen Village, Greenaway
- Renaissance Manuka, Griffith
- The Establishment, Gungahlin
- The Parks, Red Hill
- Oaks, Woden
- Koko, Wright

Notable sites with multiple cranes include: ANU Student Accommodation 8, DKSN Stage 2 in Dickson, Aspen Village in Greenaway, Renaissance Manuka in Griffith, Hume 5 Data Centre, Canberra Data Centre in Hume, 25 Catalina Drive and One City Hill.

CENTRAL COAST

The RLB Crane Index® for the Central Coast has remained steady. Three cranes were added and three removed. Cranes still total ten across the region.

The residential sector remains the only sector with cranes on developments around the region.

New cranes were recorded for Jabiru at Ettalong Beach, Azure in Terrigal and Aspect in Gosford.

Cranes were removed from Ravello Residences in Point Frederick, 56-58 Beane Street in Gosford and Everglades Retirement Gardens at Umina Beach.

KEY SECTORS

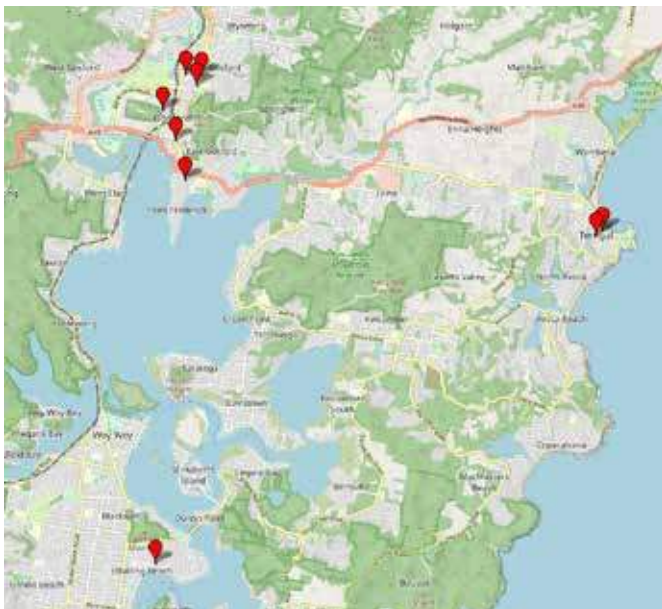
HEALTH	
RESIDENTIAL	

OVERALL STATUS



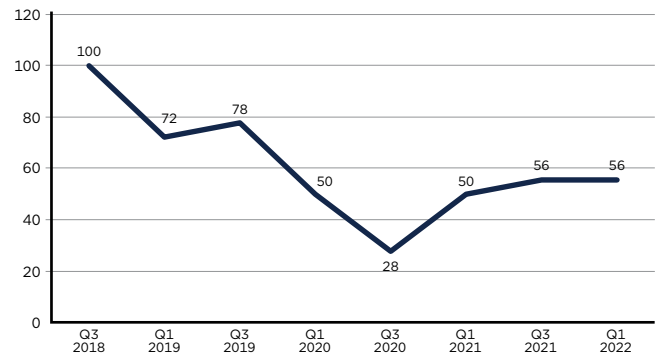
LEGEND

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

BASE: Q3 2018 = 100



CRANE ACTIVITY - CENTRAL COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
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	1	10.0%	0	-1	-1	0	0.0%
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	90.0%	3	-2	1	10	100.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	10	100.0%	3	-3	0	10	100.0%

DARWIN

Darwin has seen new additions to the skyline. Two new cranes commenced on the Education and Community Precinct in Cavenagh Street.

The \$250 million project and centerpiece of the Darwin City Deal is a partnership between the Federal Government, the Northern Territory Government and Charles Darwin University (CDU).

The new Charles Darwin University precinct is the centerpiece of the \$320 million Darwin City Deal and will help shape the culture and vibrancy of the city for future generations

Once complete, this project will have created more than 700 jobs, helped to diversify the local economy and elevated Darwin's competitiveness in the international education sector.

OVERALL STATUS



LEGEND



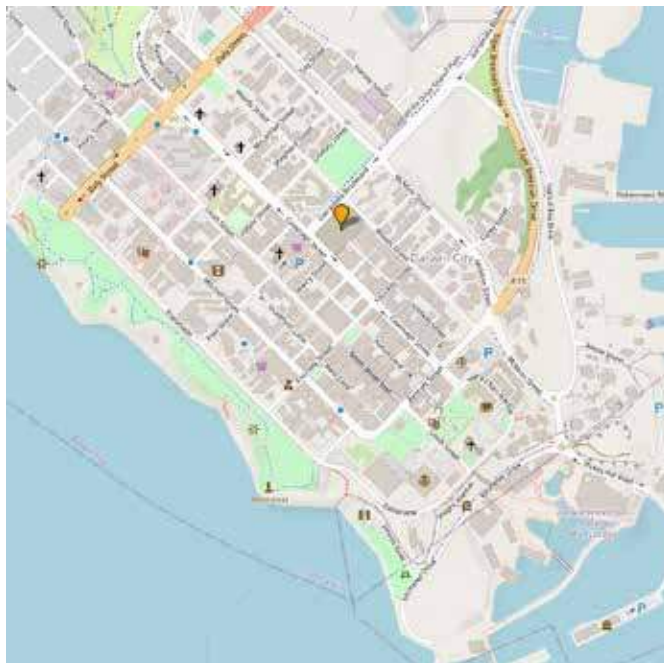
INCREASE
IN NUMBER
OF CRANES



DECREASE
IN NUMBER
OF CRANES

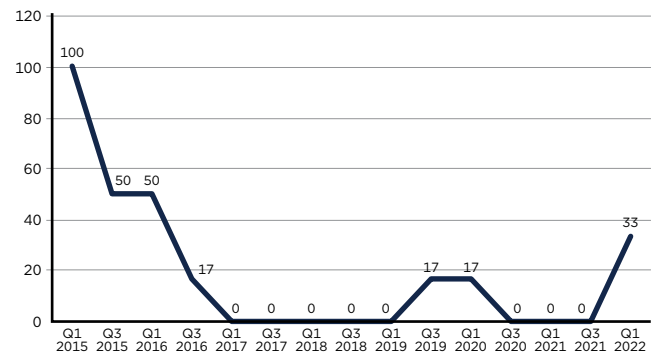


CRANE
NUMBERS
STEADY



RLB CRANE INDEX® - DARWIN

BASE: Q1 2015 = 100



CRANE ACTIVITY - DARWIN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	0	0	2	0	2	2	100.0%
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	0	0	0	0	0	0	0.0%
MIXED USE	0	0	0	0	0	0	0.0%
RECREATION	0	0	0	0	0	0	0.0%
RESIDENTIAL	0	0	0	0	0	0	0.0%
RETAIL	0	0	0	0	0	0	0.0%
TOTAL	0	0.0%	2	0	2	2	100.0%

GOLD COAST

The Gold Coast RLB Crane Index® increased to 267, compared to 233 last count. This is now the region's highest index value since the inception of the index.

A total of 16 cranes were added and 11 cranes were removed, bringing the coast's total to 40. The residential sector continues to dominate the region, with more than 95% of all Gold Coast cranes. The other sectors with active cranes include commercial (1) and mixed use (1).

The residential sector saw 15 new cranes placed on sites and nine removed, bringing the sector's total to 38, an increase of six cranes from Q3 2021 edition.

New cranes include:

- Beach House, Broadbeach
- The Grace and The Sandbar, Burleigh Heads
- Discovery Apartments, Helensvale
- White Residences, Main Beach
- Dawn, Mermaid Beach
- 2044 Gold Coast Highway and The Verge, Miami
- Perspective 488, Cabana Residences, Palm Beach Residences & Two Sea Perspective, Palm Beach
- Odyssey Aged Care Stage 2, Robina
- Boutique and The Essence, Surfers Paradise
- Mermaid Plaza, Commercial

KEY SECTORS

COMMERCIAL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

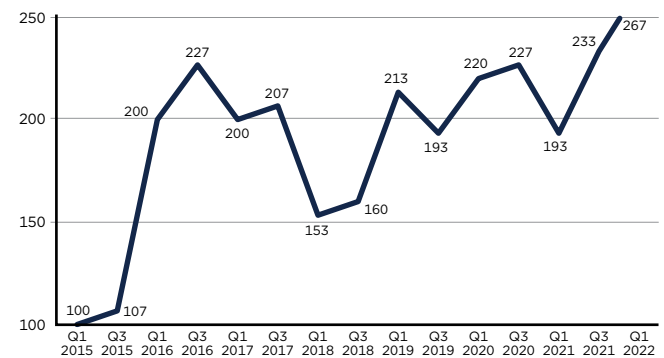


LEGEND

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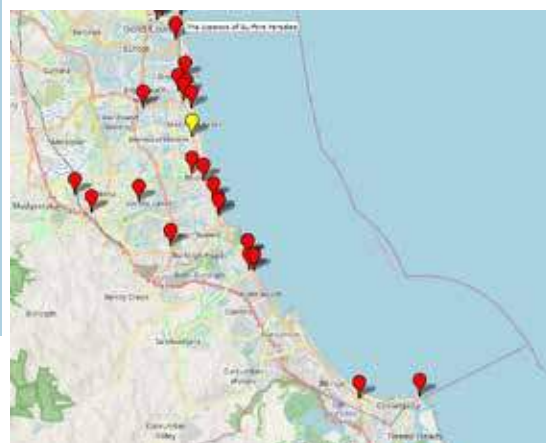
RLB CRANE INDEX® - GOLD COAST

BASE: Q1 2015 = 100



CRANE ACTIVITY - GOLD COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	1	2.9%	1	-1	0	1	2.5%
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	2	5.7%	0	-1	-1	1	2.5%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	32	91.4%	15	-9	6	38	95.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	35	100.0%	16	-11	5	40	100.0%



HOBART

There are no cranes in Hobart for the fourth consecutive quarter.

OVERALL STATUS



LEGEND



INCREASE
IN NUMBER
OF CRANES



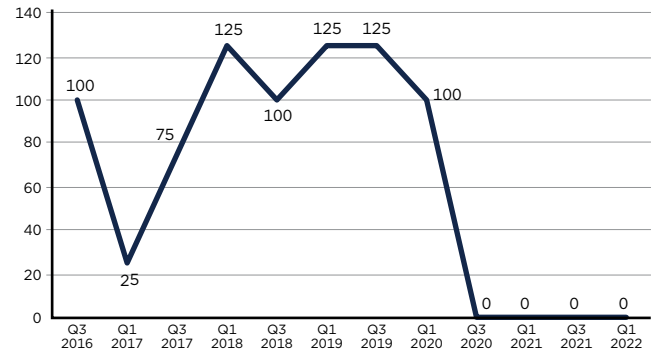
DECREASE
IN NUMBER
OF CRANES



CRANE
NUMBERS
STEADY

RLB CRANE INDEX® - HOBART

BASE: Q3 2016 = 100



CRANE ACTIVITY - HOBART

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
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%	0	0	0	0	0.0%
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	0	0.0%	0	0	0	0	0.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	0	0.0%	0	0	0	0	0.0%

MELBOURNE

Melbourne recorded a rise of 7% in the Q1 2022 RLB Crane Index®, offsetting the 7% fall in the last edition. The index now stands at 166, up from 155 in Q3 2021.

Across Melbourne, 87 cranes were added to projects and 75 were removed, bringing current crane numbers to 192, up from 180 cranes recorded in Q3 2021.

The value of building approvals rose 20% in 2021 compared to the previous 12-month period. Residential building approvals increased by 16%. This was largely seen in the new housing sector. In contrast, apartment approvals decreased by 7.9%, reaching the lowest value of apartment approvals in nominal terms since 2013.

Non-residential approvals increased by 27%, which is reflected in the increase in proportion of non-residential cranes within Melbourne. The health sector saw approval values up 283% for the calendar year. Industrial approvals were up 31% and retail up 21%. Both the hotel and commercial sectors were down by 18% and 19% respectively.

Construction work done for 2021 was down by 3% or \$1.8B for the calendar year, with residential work down 2.1%, non-residential down 5.7%, and the engineering sector down 2.1%.

Melbourne's inner-city remains the most prevalent region for cranes, with 47% of all Melbourne's cranes located there. While this number remains steady for now, larger scale projects are moving out to Melbourne's suburbs. Traditionally, 60% of all Melbourne's cranes are centred around the CBD and surrounding inner city suburbs (compared to the 47% cited above).

Overall, the rise in cranes has occurred in the mixed use sector (+7), residential (+6), health (+3), commercial (+2), education (+2) and recreation (+1). Falls have been seen in the civil sector (-9) and within civic projects (-2).

KEY SECTORS

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

OVERALL STATUS

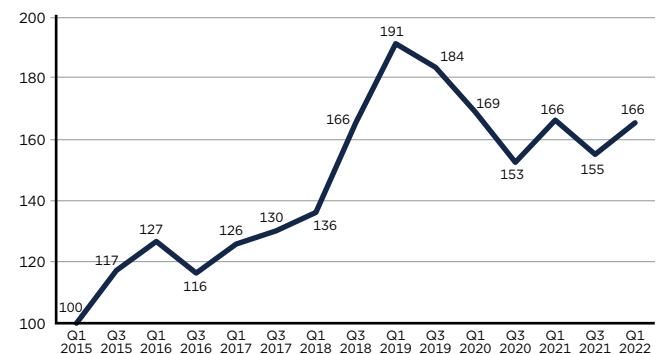


LEGEND

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

BASE: Q1 2015 = 100



CRANE ACTIVITY - MELBOURNE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	5	2.8%	0	-2	-2	3	1.6%
CIVIL	23	12.8%	0	-9	-9	14	7.3%
COMMERCIAL	20	11.1%	10	-8	2	22	11.5%
EDUCATION	5	2.8%	4	-2	2	7	3.6%
HEALTH	16	8.9%	10	-7	3	19	9.9%
HOTEL	4	2.2%	3	-2	1	5	2.6%
MIXED USE	18	10.0%	10	-3	7	25	13.0%
RECREATION	0	0.0%	1	0	1	1	0.5%
RESIDENTIAL	89	49.4%	48	-42	6	95	49.5%
RETAIL	0	0.0%	1	0	1	1	0.5%
TOTAL	180	100.0%	87	-75	12	192	100.0%

MELBOURNE

The residential sector is still the dominant sector in the Melbourne region, home to almost 50% of all cranes for this edition.

Within the health sector, the new Footscray Hospital saw eight new cranes commence, bringing the total number of cranes on-site to ten. This project now has the largest number of cranes working in Australia. New cranes were also seen at the Northern Hospital and Peninsula Private Hospital.

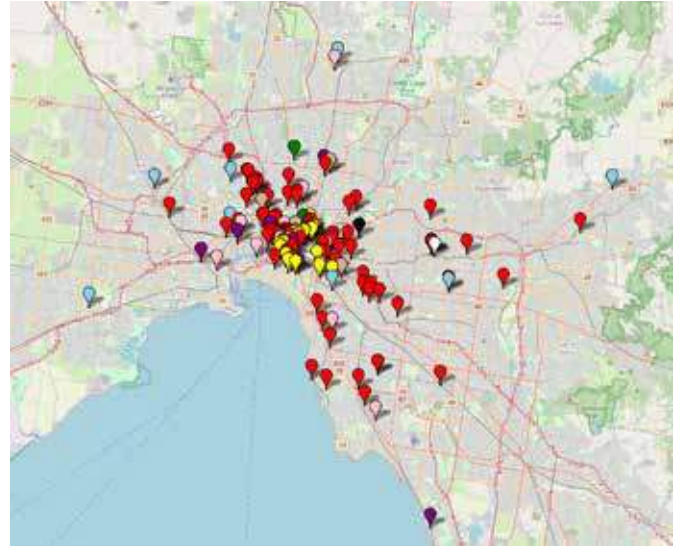
Health cranes were removed from several sites, including Ryman's 45 Burwood, Epworth Hospital Eastern Flats Redevelopment, Bethlehem health and retirement precinct in South Caulfield, Victorian Heart Hospital and the Wantirna Health Precinct.

The civil sector fell by nine cranes. These were spread over seven projects that have been completed or nearing completion. Projects included: Level Crossing Removal Works at Chelsea, Edithvale and North Williamstown, Metro Tunnel Works at North Melbourne, Frankston Freeway Extension and at the Hallam Station Project. No new civil cranes commenced in the period.

The mixed use sector saw a rise of seven cranes on sites at Whitehorse Trio (Box Hill), East Brunswick Village, 13 Chesterville Rd (Cheltenham), 767 Lorimer St (Docklands), Yorkston (Elsternwick), New Epping and Vic SQ (Footscray).

The commercial sector saw an increase of two cranes to bring the sector to 22 cranes. Ten new commercial cranes were added to The Rock Art Development and 33 Peel Street in Collingwood, United Co in Fitzroy, Melbourne Quarter Tower, Cnr Little Collins & Queen Street in the CBD, 19 Cubitt Street in Richmond, BVIA on Bank, 11-49 Eastern Road in South Melbourne and One Four Five in Southbank

Commercial cranes were removed from projects at AFP 140 Lonsdale St and 150-162 Lonsdale Street in the CBD, Craftworks in Abbotsford, 88L in Collingwood, Ferntree Business Park in Notting Hill, and Industry Lane and Eastco in Ringwood.



The hotel sector saw a rise of one crane. Three cranes commenced at The Standard in Fitzroy, Quest Geelong Central and Peppers Hotel Richmond. Cranes were removed from Le Meridien in the CBD and the Normandy in Southbank.

Retail continues to have no cranes in the Melbourne region.

CRANE ACTIVITY - MELBOURNE REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CBD & SURROUNDS	85	47.2%	31	-25	6	91	47.4%
EAST	22	12.2%	14	-11	3	25	13.0%
GEELONG	3	1.7%	1	-1	0	3	1.6%
NORTH	23	12.8%	16	-10	6	29	15.1%
SOUTH	28	15.6%	14	-22	-8	20	10.4%
WEST	19	10.6%	11	-6	5	24	12.5%
TOTAL	180	100.0%	87	-75	12	192	100.0%

Across the city's six main regions, small crane increases were seen in the CBD, the north and the west. Falls were seen only in the south with a loss of eight cranes.

MELBOURNE

CBD & SURROUNDS	Q1 2021	Q3 2021	Q1 2022
CIVIC	2	2	2
CIVIL	9	8	7
COMMERCIAL	15	18	21
EDUCATION	10	4	5
HEALTH	0	0	0
HOTEL	7	3	3
MIXED USE	20	13	11
RECREATION	0	0	0
RESIDENTIAL	32	37	42
RETAIL	0	0	0
TOTAL	95	85	91



Inner Melbourne rose by six to now number 95 cranes. Thirty-one new cranes commenced and 25 were removed.

Residential cranes rose by five and commercial by three.

New starts within the region include:

Commercial

The Rock Art Commercial Buildings and 33 Peel St (Collingwood), United Co (Fitzroy) Melbourne Quarter Tower and Cnr Little Collins and Queens St (CBD), 19 Cubitt St (Richmond), 11-49 Eastern Road (South Melbourne) BVIA on Bank (South Melbourne) and One Four Five (Southbank).

Education

Carlton Gardens Primary School, Mt Alexander College, and Centre for Higher Education (South Yarra)

Hotel

The Standard (Fitzroy) and Peppers Hotel (Richmond)

Residential

46-58 Marlborough St (Balaclava), Smith St Apartments (Collingwood), 11-13 Pearson St (Cremorne), Market Lane (Docklands), 229 Smith St (Fitzroy), Lt Hardman lofts (Kensington), Iglu (CBD) Academy - Home Victoria (North Melbourne), Parkside Apartments (Parkville), Immerse and Park House (Richmond), Stature (Southbank), Gadsen, Parkhill Apartments and 164 Roden St (West Melbourne)

West Side Place Stage 2 is the largest project within the region with 4 cranes followed by Melbourne Quarter and Sapphire By The Gardens both with three active cranes.

MELBOURNE

MELBOURNE EAST	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	0	0	0
COMMERCIAL	4	2	0
EDUCATION	0	0	0
HEALTH	3	6	3
HOTEL	0	0	0
MIXED USE	2	0	2
RECREATION	0	0	1
RESIDENTIAL	9	14	18
RETAIL	0	0	1
TOTAL	18	22	25

GEELONG	Q1 2021	Q3 2021	Q1 2022
CIVIC	1	2	1
CIVIL	0	0	0
COMMERCIAL	1	0	0
EDUCATION	1	0	0
HEALTH	1	0	0
HOTEL	0	0	1
MIXED USE	0	0	0
RECREATION	0	0	0
RESIDENTIAL	0	1	1
RETAIL	0	0	0
TOTAL	4	3	3



Melbourne East saw the removal of 11 cranes and the addition of 14 new cranes, reflecting an increase of three cranes across the region. There are now 25 cranes across the region.

This was mainly due to the growth of both residential and mixed use projects, with a net increase of four and two cranes respectively. Residential cranes account for 72% of total cranes in Melbourne East.

New cranes commenced at Homes Victoria - Markham Ave (Ashburton), Box Hill Central Southern Precinct, Promenade and Whitehorse Trio (Box Hill), Burwood Brickworks Apartments (Burwood East), Orphic (Croydon), Forme Apartments of Tullamore (Doncaster), Novum (Glen Iris), Seven Six Five (Hawthorn East) and Kew Recreation Centre (Kew)

Cranes were removed at 45 Burwood (Burwood East), Epworth Hospital Eastern Flats Redevelopment (Box Hill), 5 Rodgerson Rd (Box Hill), Panorama (Box Hill), 553 Burke Rd (Camberwell), 285A Burke Rd (Glen Iris), Melfort (Hawthorn), Montage (Mont Albert), Ferntree Business Park (Notting Hill), Eastco (Ringwood), Wantirna Health Precinct (Wantirna).



Geelong has recorded similar crane numbers to the previous edition. There are still three cranes in Geelong.

New projects include Quest Geelong Central.

Cranes were removed at City of Geelong Civic Accommodation Building.

Cranes remain on GPAC and Geelong Quarter.

MELBOURNE

MELBOURNE NORTH	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	0	2	2
COMMERCIAL	0	0	0
EDUCATION	0	0	1
HEALTH	2	1	2
HOTEL	1	1	1
MIXED USE	0	0	5
RECREATION	0	0	0
RESIDENTIAL	24	19	18
RETAIL	0	0	0
TOTAL	27	23	29

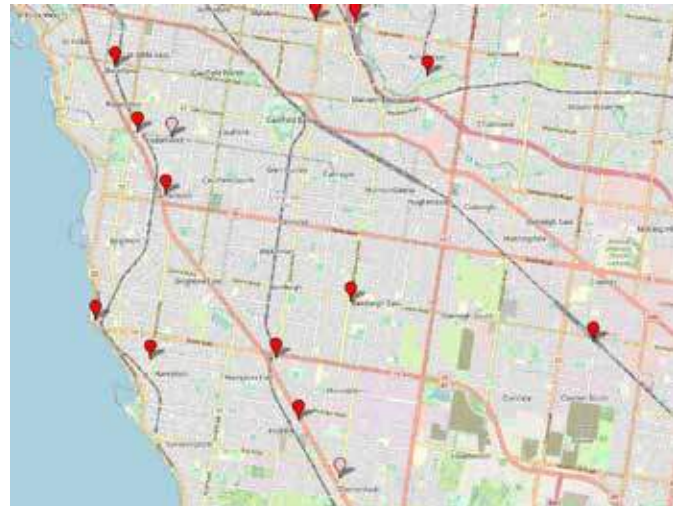
MELBOURNE SOUTH	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	1	0
CIVIL	4	7	1
COMMERCIAL	1	0	1
EDUCATION	1	1	1
HEALTH	5	5	2
HOTEL	0	0	0
MIXED USE	1	0	2
RECREATION	0	0	0
RESIDENTIAL	19	14	13
RETAIL	0	0	0
TOTAL	31	28	20



Melbourne North saw an increase of six cranes, to a total of 29 cranes. This is the equal highest number of cranes recorded since the inception of the index. A total of 16 cranes were added and 10 removed.

New cranes include: Homes Victoria - Dunlop Avenue, (Ascot Vale), Canvas, 210 Albion St, East Brunswick Village, Milieu and Seamstress (Brunswick East), New Epping and Northern Health Hospital (Epping), Eloquence (Essendon) Penny Lane (Moonee Ponds), Stonepine House (Moonee Valley), Preston South Primary School and Oak on High (Preston).

Cranes were removed from Home by Caydon (Alphington), Solarino House, Nightingale Village, The Finery and One Wilson Ave (Brunswick), Nue (Moonee Ponds), 143 High St (Preston) and Cappella Apartments (Reservoir).



Melbourne South saw a decrease of another eight cranes, for a total of 20. This is the second lowest number of cranes recorded in the region since Q1 2018.

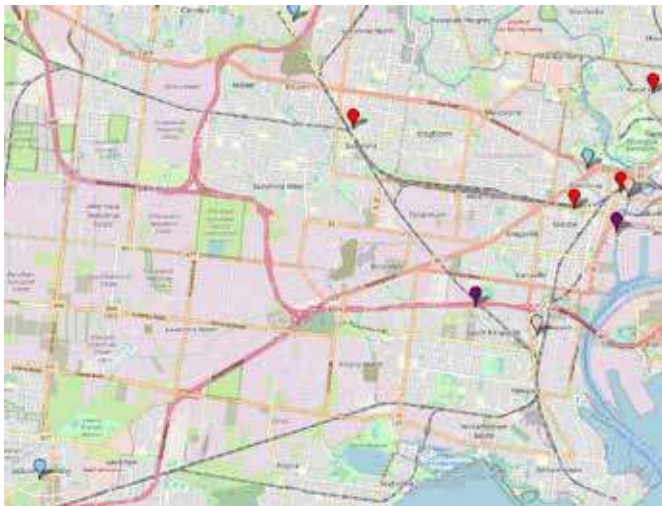
Cranes were removed from Bethlehem Health and Retirement precinct (Caulfield South), Victorian Heart Hospital (Clayton), Families Supportive Housing (Dandenong), Frankston Freeway extension (Dingley), Level Crossing Removal (Edithvale), Hallam Station works (Hallam), AUX (Malvern), 17-22 Grattan St (Prahran) Ukiyo (Prahran) and 390 Malvern Rd (Prahran)

New cranes were added at: 730B East Boundary Rd (Bentleigh East), 13 Chesterville Rd (Cheltenham), Aster Apartments (Clayton South), 146 Boundary Rd (East Bentleigh), EVA and Yorkston Apartments (Elsternwick), 113 Gardenvale Rd (Gardenvale), 431 Hampton (Hampton), Neue Highett, Welcome to Moor (Moorabin), The Victoria Clinic (Prahran), Jackson House and 12 Hill St (Toorak)

Major project cranes within the region are Aster Apartments and the Victoria Clinic redevelopment with two cranes on each site.

MELBOURNE

MELBOURNE WEST	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	7	6	4
COMMERCIAL	1	0	0
EDUCATION	0	0	0
HEALTH	0	4	12
HOTEL	0	0	0
MIXED USE	4	3	5
RECREATION	0	0	0
RESIDENTIAL	6	6	3
RETAIL	0	0	0
TOTAL	18	19	24



Melbourne West increased by five cranes to now total 24 cranes. This is now the highest number of cranes seen in the west.

Footscray remains the centre of activity within the region with 15 cranes. Ten cranes are now placed at the new Footscray Hospital (the largest number of cranes on one site in the country) with other Footscray sites including Liberty One, Ovation Footscray and the West Gate Tunnel Project.

NEWCASTLE

Newcastle's RLB Crane Index® rose to 150 for this edition. Seven cranes were added and four removed, bringing the total count to 12.

The residential sector remains the dominant sector with ten cranes, up from six. Seven cranes were added and three removed. New residential cranes include:

- East End Apartments - Stage 2
- The Ivy Broadmeadow
- 291 King Street
- Aura Charlestown
- Victory Residences
- Odeon Apartments
- 31 Macquarie Street

Cranes were removed from:

- Sky Apartments
- 124 Brunner road
- The Foundry
- Darby Plaza

KEY SECTORS

COMMERCIAL	
HEALTH	
RESIDENTIAL	

OVERALL STATUS

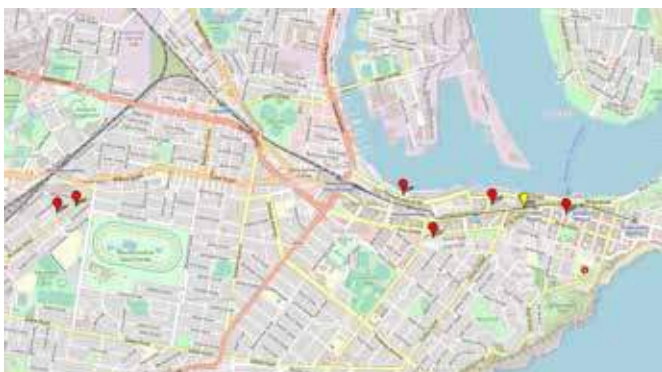
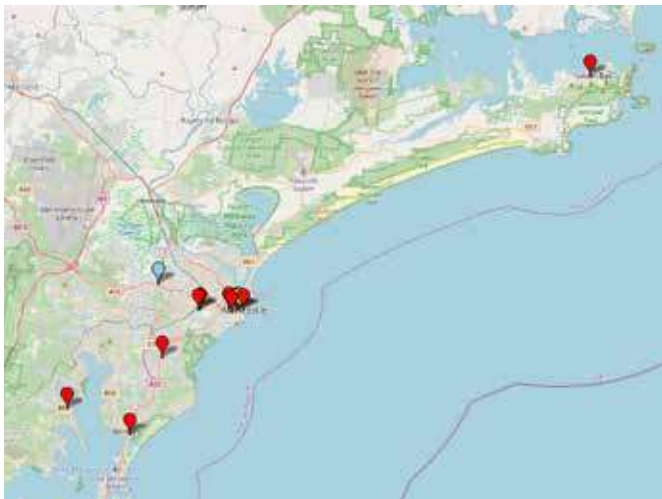
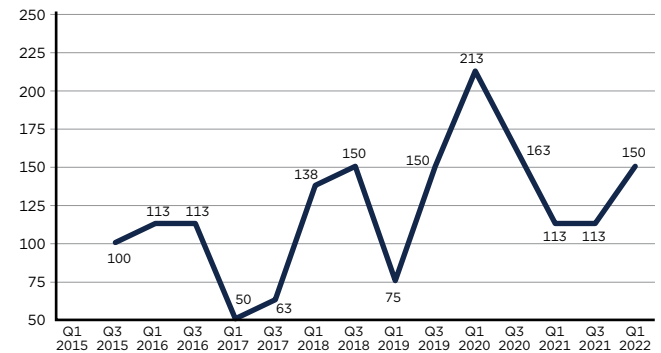


LEGEND

	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	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	2	22.2%	0	-1	-1	1	8.3%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	1	11.1%	0	0	0	1	8.3%
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%	7	-3	4	10	83.3%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	9	100.0%	7	-4	3	12	100.0%

PERTH

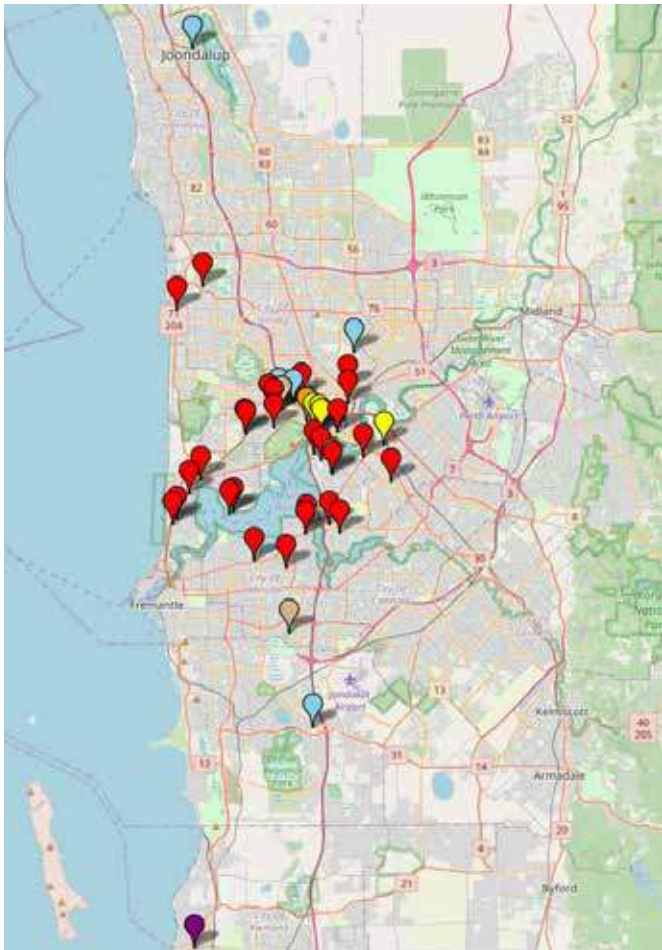
Perth has seen a 129% increase in the RLB Crane Index® since the lows of Q1 2017. This edition has recorded a surge of 48% since the last publication. Total crane numbers in Q3 2017 were 24 and 37 at Q3 2021. There are currently 55 cranes in Perth, the highest number since the inception of the index.

A total of 27 cranes were added in the past six months and nine were removed.

Building approvals in FY 2021 increased 47% across the state, the highest level of approvals in nominal terms since 2014. Residential approvals were up 47% (\$2.5B) and non-residential approvals were up by 47% (\$1.3B).

Construction work done for 2021 was up 6.5% (\$1.8B). Residential activity increased 19% (\$0.9B), non-residential was up by 4.6% (\$180M) and engineering up by 3.7% (\$0.7B).

Perth's residential sector saw the largest increase in cranes, with six cranes removed and 14 added to total 33 cranes. The residential sector accounts for 60% of all cranes across Perth.



KEY SECTORS

CIVIC	↑
CIVIL	↑
COMMERCIAL	↑
EDUCATION	↑
HEALTH	↑
RESIDENTIAL	↑
RETAIL	↑

OVERALL STATUS

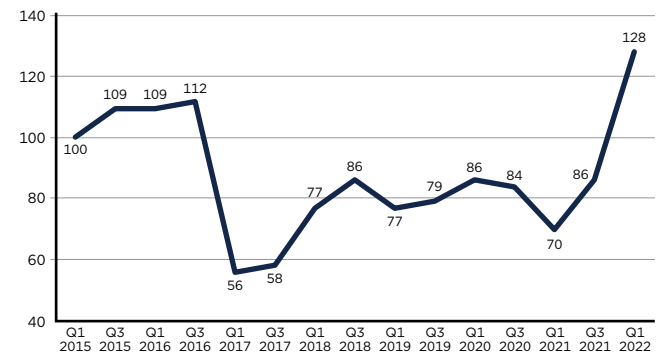


LEGEND

↑	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	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	0	0.0%	1	0	1	1	1.8%
CIVIL	0	0.0%	1	0	1	1	1.8%
COMMERCIAL	6	16.2%	2	-1	1	7	12.7%
EDUCATION	2	5.4%	3	0	3	5	9.1%
HEALTH	4	10.8%	5	-2	3	7	12.7%
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	25	67.6%	14	-6	8	33	60.0%
RETAIL	0	0.0%	1	0	1	1	1.8%
TOTAL	37	100.0%	27	-9	18	55	100.0%

PERTH

New residential cranes were added at Forbes Residences (Applecross), The Grove Residences (Claremont), Como on Clydesdale (Como), East Village Apartments (Karrinyup), The Bradshaw (Manning), Altum (Scarborough), Victoria House (Shenton Park), Civic Heart and 8 Parker (South Perth), Halcyon Apartments and The Rokeby (Subiaco), and Belle Parc and The Brixton (Victoria Park).

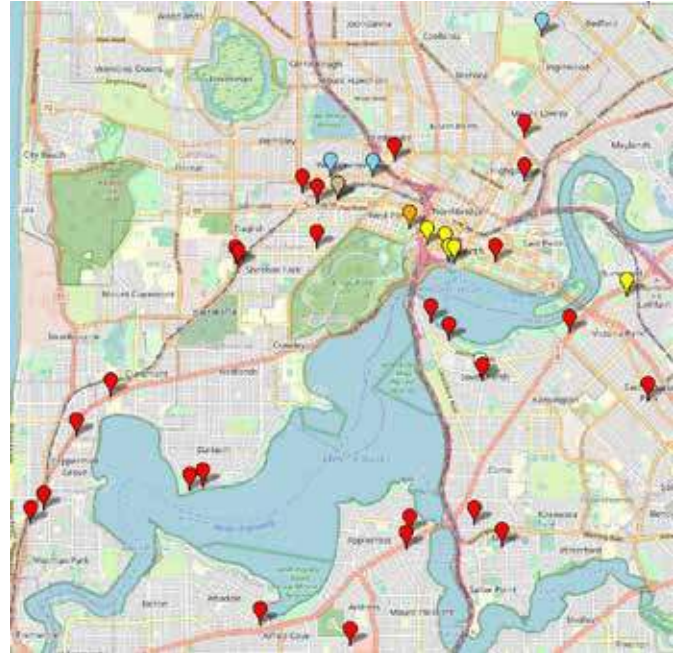
Cranes were removed from residential projects at Kishorn Apartments (Applecross), The Parade (Como), Little Lane and M / 27 Apartments (Fremantle), Smith St Aged Persons Unit (Mount Lawley), and One Subiaco.

New commercial cranes were erected at Westralia Square and 157 Burswood Highway. One crane was removed from Optus stadium.

The health sector saw new cranes at Joondalup Health Campus Expansion, Bethesda Clinic (Cockburn), St John of God Redevelopment (Subiaco) and Brightwater The Village (Inglewood). Health cranes were removed from the Royal Perth Hospital and Opal Applecross.

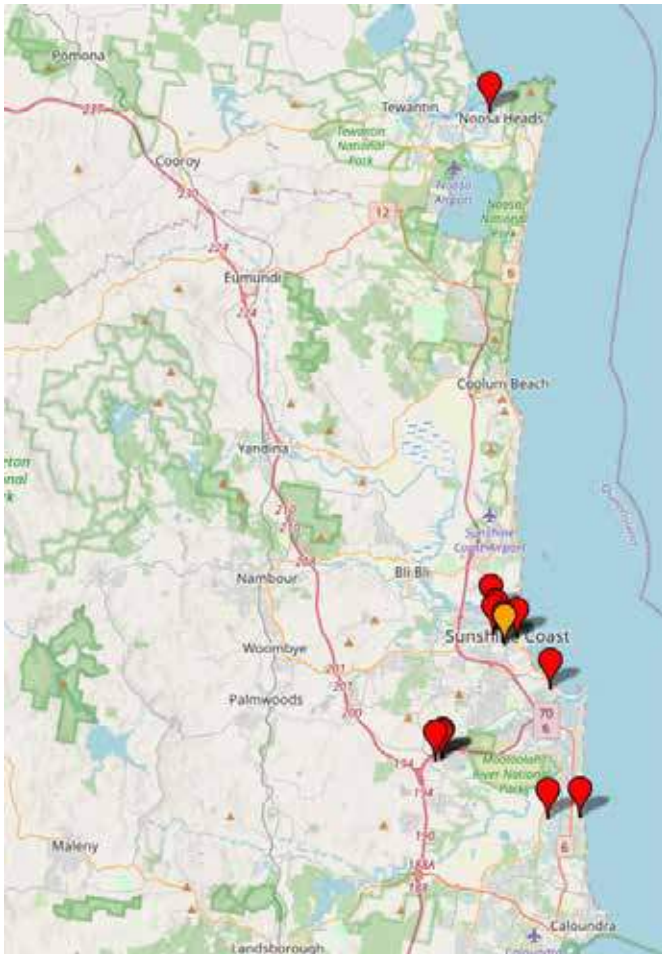
Three cranes have commenced on the new Health and Knowledge precinct at Murdoch University within the education sector. This has increased total cranes within the precinct to four, the largest site in Perth.

Two cranes are on each of the Chevron Office, Elizabeth Quay Lot 2, One Subiaco, Shenton Quarter 2, Civic Heart, Victoria House, The Grove Residences and Joondalup Health Campus Expansion sites



SUNSHINE COAST

The Sunshine Coast RLB Crane Index® rose to reach its equal highest value of 160. This was also achieved in Q1 2021 and Q3 2018. The region saw the removal of six cranes and the addition of nine new cranes, bringing the number of cranes across the coast to 16, a net increase of three cranes from the previous count.



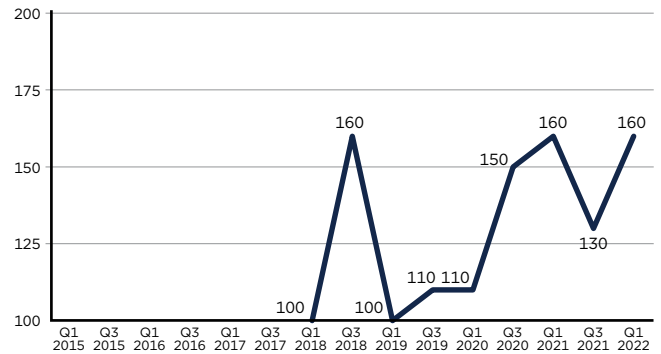
- KEY SECTORS**
- CIVIC
 - COMMERCIAL
 - HOTEL
 - MIXED USE
 - RESIDENTIAL



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

RLB CRANE INDEX® - SUNSHINE COAST

BASE: Q1 2018 = 100



CRANE ACTIVITY - SUNSHINE COAST

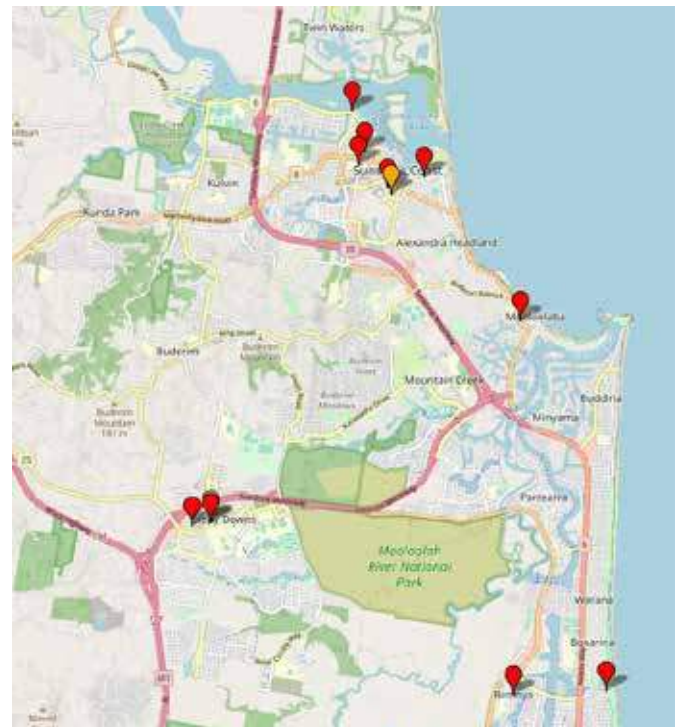
	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	1	3.0%	0	0	0	1	6.3%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	0	0.0%	1	0	1	1	6.3%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	1	3.0%	0	-1	-1	0	0.0%
MIXED USE	0	0.0%	2	0	2	2	12.5%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	11	84.6%	6	-5	1	12	75.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	13	90.7%	9	-6	3	16	100.0%

SUNSHINE COAST

Residential cranes remain the largest sector, with 12 of the 16 cranes erected in the Sunshine Coast. They are operating at:

- Jewel, Birtinya
- Oceanus, Bokarina
- Seanna, Bokarina
- First Bay, Coolum
- One The Esplanade, Cotton Tree
- 3 Wilson Ave, Dicky Beach
- Market Lane, Maroochydore
- Eclipse Picnic Point, Maroochydore
- Paperbark Maroochydore
- Plaza Central, Maroochydore
- Picasso Apartments, Mooloolaba
- Smith Street Residences, Mooloolaba
- Lumina L2, Noosa Heads
- Infinity, Noosaville
- Haven Apartments, Sippy Downs
- Parkwoods Apartments, Sippy Downs

Non-residential cranes are positioned at HQ (Sippy Downs), and City Hall, A1 Maroochydore and Holiday Inn (Maroochydore).



SYDNEY

Sydney's RLB Crane Index® recorded its highest ever result in Q1 2022. The index rose from 182 to 215, representing an 18% increase. There was a net increase of 53 cranes across Sydney. During the past six months there have been 96 cranes removed and 149 new cranes added, resulting in a total of 348 cranes (compared to 295 previously). This is the highest number of cranes seen in Sydney since the peak of 341 cranes in Q3 2017.

Construction activity across NSW rose slightly in the 2021 calendar year by 1.0% to record \$63.6B. This was up by \$0.7B from 2020. Residential work done rose by 4.3%, non-residential rose by 1.0% and engineering construction fell by 2.1%.

Current approval levels lifted sharply for the 2021 year, with a 19.2% (\$6.5B) increase over 2020. The strength of the residential sector (up by 31%) sees a stronger apartment sub sector with approvals up by 26% (\$1.4B). Houses for the same period were up by 29% (\$2.7B). The apartment approval value has been trending downwards since 2016. This increase is positive news. Non-residential approvals were also up by 6.7% (\$1.1B) with a surprising lift in the hotel sector (+34%). Health approvals rose by 160% (1.5B). Commercial, education and entertainment & recreation all fell by 28.8%, 24% and 30% respectively.

In this edition, Sydney recorded significant crane number increases in residential and mixed use; small increases in the commercial, hotel, and retail sectors; static levels within the civic and civil sectors; and small drops in education, health and recreation projects.

KEY SECTORS

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

OVERALL STATUS

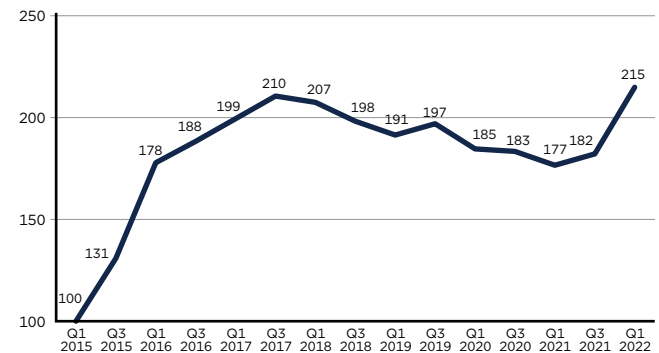


LEGEND

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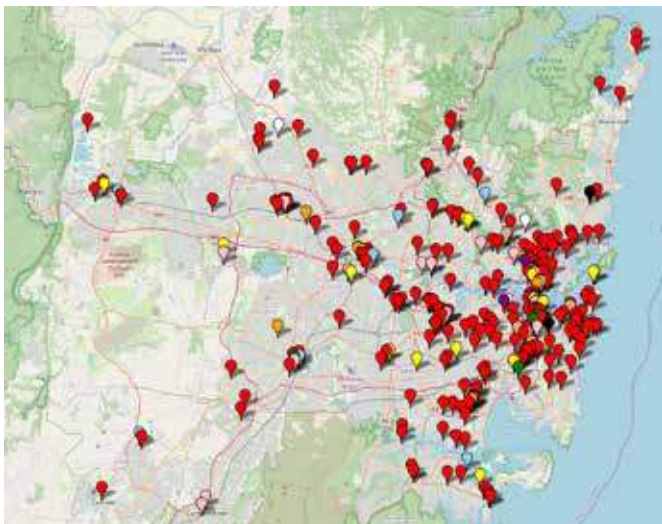
RLB CRANE INDEX® - SYDNEY

BASE: Q1 2015 = 100



CRANE ACTIVITY - SYDNEY

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	7	2.4%	4	-4	0	7	2.0%
CIVIL	5	1.7%	1	-1	0	5	1.4%
COMMERCIAL	28	9.5%	15	-11	4	32	9.2%
EDUCATION	9	3.1%	2	-4	-2	7	2.0%
HEALTH	8	2.7%	3	-4	-1	7	2.0%
HOTEL	4	1.4%	2	-1	1	5	1.4%
MIXED USE	24	8.1%	19	-8	11	35	10.1%
RECREATION	8	2.7%	0	-3	-3	5	1.4%
RESIDENTIAL	201	68.1%	100	-59	41	242	69.5%
RETAIL	1	0.3%	3	-1	2	3	0.9%
TOTAL	295	100.0%	149	-96	53	348	100.0%



SYDNEY

The civic sector remained at a total of seven cranes, with four additions and four removals. New civic projects include Green Square (three cranes) and 4 Alfred Street, Milsons Point. Cranes were removed from Multi-Storey Car Park (Eastwood), Commuter Car Park (Edmondson Park) and the TfNSW CCPP Leppington Commuter Car Park.

The civil sector remained at five cranes. One crane was added at Barangaroo Station in Hickson Road and one crane was removed from Oatley. 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 gain of four cranes, bringing the total to 32. There were 15 new cranes and 11 removed.

New commercial cranes were added to the Rickard Road (Bankstown), Macquarie Exchange and Eden Park Drive (Macquarie Park), One Chalmers (Mascot), Merrylands RSL Club, Blue and William (North Sydney), Aspire Tower and Macquarie Street (Parramatta), Belmore Street (Penrith), 19 Bridge Street (Sydney) St Georges Rd, (Watsons Bay) and Sharks Redevelopment (Wolloware).

Commercial cranes were removed from 139 Oxford Street (Bondi Junction), 10 Red Gables Rd, (Box Hill) 270 Liverpool Street (Darlinghurst), 28 Lockwood Rd (Eastern Creek), 83 Greenacre Road (Greenacre), 1 Milray Street (Lindfield), Parramatta Square, Foveaux Street (Surry Hills), Quay Quarter Tower and 1 Castlereagh (Sydney).

The education sector continued to fall. Four cranes were removed, and two new cranes were sighted. The sector now accounts for seven cranes across Sydney. New cranes were recorded at Chatswood Public School and in Millar Street (North Sydney)

Cranes were removed from Buckland Street (Alexandria), Boundary Street (Croydon) and Meadowbank Education and Employment Precinct (two cranes). Continuing sites include Cranbrook School Redevelopment (two cranes), Loreto Kirribilli, Abercrombie St (Darlington) and Chatswood High School.

The health sector saw a drop of one to now number seven cranes across Sydney. Three new cranes were added, and four cranes removed. New cranes commenced at Cumberland Hwy (Carlingford), Nepean Hospital (Kingswood) and Woolooware Shores (Taren Point).

Cranes were removed from Campbelltown Hospital, Opal Seaside Aged Care (Warriewood) and Opal Health Care (Toongabbie).

Cranes remain at ANHF Gordon, Our Lady Aged Care Centre (Harris Park), Liverpool Hospital redevelopment and Aged Care Development (Oran Park)

The hotel sector saw two cranes added at Northumberland Street (Liverpool) and Baxter Road (Mascot), and one removed at the Ace Hotel (Surry Hills) to total five cranes. Cranes remain on the Sydney Sandstone Project (Sydney), Cambridge Hotel (Surry Hills) and at 28 Chalmers Street (Surry Hills).

The mixed use sector has shown another increase of 11 to now number 35 cranes in this edition. Nineteen cranes were added to sites across Sydney with eight removals. Major mixed use / other additions include: NextDC Data Centre (Artarmon), Auburn Square, First Avenue (Blacktown), Circa Burwood, Dumaresq Steet and 11 Watsford Road (Campbelltown), Yurong Street (Darlinghurst), New Sydney Fish Markets (Glebe), Apollo Place (Lane Cove West), Scott Street (Liverpool), Mason & Main Merrylands, 160 Pacific Highway (North Sydney), Surry Hill Village (Redfern), Rhodes Central (Rhodes), Waines Cres (Rockdale) and Baywater Drive (Wentworth Point).

Cranes were removed from Project Gondola (Artarmon), CDC Eastern Creek Data Center (Eastern Creek), Airtrunk SYD1 Phase 5 (Huntingwood), 88 Walker St (North Sydney), Grand Avenue (Rosehill), Hart Street (Warwick Farm) and the Innovation Quarter Precinct (Westmead).

The recreation sector has seen a fall of three cranes to now number five cranes. Two cranes were removed from the Sydney Football Stadium (four remain) and Burton Street (Concord). A crane also remains at Brookfield Oval.

The retail sector grew to three cranes with one removal and three new additions. A crane was removed from Bunnings Warehouse (Pymble) and new cranes were sighted at 17 Smith St (Chatswood), Tallawong Village (Rouse Hill) and Parsons St (Rozelle).

The residential sector has jumped this count to record 100 additions and the removal of 59, bringing the total count to 242 cranes across Sydney. Residential cranes make up almost 70% of all cranes across Sydney, still lower than the high of 87 (282 residential cranes) in Q1 2017.

SYDNEY

The largest developments based on crane numbers are the sites with four cranes, including: One Sydney Harbour (Barangaroo) and 180 George (Parramatta).

Sites with three cranes include: 18 Church Street (Lidcombe), Platinum on Peach Tree (Macquarie Park) and Sky High Revolution - East Side Quarter (Penrith).

Sites with two cranes include: Kitchener Place, (Bankstown), Inspire Apartments (Blacktown), 29 Terry Road (Box Hill), Skyview (Castle Hill), Hills Living (Castle Hill) Beyond Hurstville (Hurstville), 141 Allen Street (Leichhardt), The Hoxton (Liverpool), Coolinga St, (Macquarie Park), Midtown Macpark (Macquarie Park), Cottonwood Cres (Macquarie Park), No 1 Zoe (Mount Drutt), Aura (North Sydney), Sheffield Quarter (Penrith), Elisan (Pymble), No 1 In Rockdale, Proximity (Rouse Hill), Pelican Estate (Schofields), The Ribbon (Sydney), Artarmon Rd (Willoughby) and Allegra (Zetland).

INNER SYDNEY	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	4
CIVIL	3	1	2
COMMERCIAL	15	10	7
EDUCATION	0	3	1
HEALTH	0	0	0
HOTEL	4	4	3
MIXED USE	8	11	16
RECREATION	6	7	4
RESIDENTIAL	47	54	57
RETAIL	0	0	1
TOTAL	83	90	95

CRANE ACTIVITY - SYDNEY REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CBD & SURROUNDS	90	30.5%	34	-29	5	95	27.3%
EAST	25	8.5%	18	-9	9	34	9.8%
NORTH	64	21.7%	55	-18	37	101	29.0%
SOUTH	42	14.2%	16	-12	4	46	13.2%
WEST	74	25.1%	26	-28	-2	72	20.7%
TOTAL	295	100.0%	149	-96	53	348	100.0%

Across Sydney's five main regions, increases were seen in all regions except for the West. For the first time since Q1 2019, Sydney North has the most cranes of all Sydney's regions, with 101 or 29% of all cranes in Sydney.



Inner Sydney saw 34 cranes added and 29 cranes removed, bringing the total crane count to 95—27% of Sydney's cranes. The mixed use / other sector saw the largest increase of cranes with an increase of 6 cranes. Increases were also seen in the civic, civil residential and retail sectors.

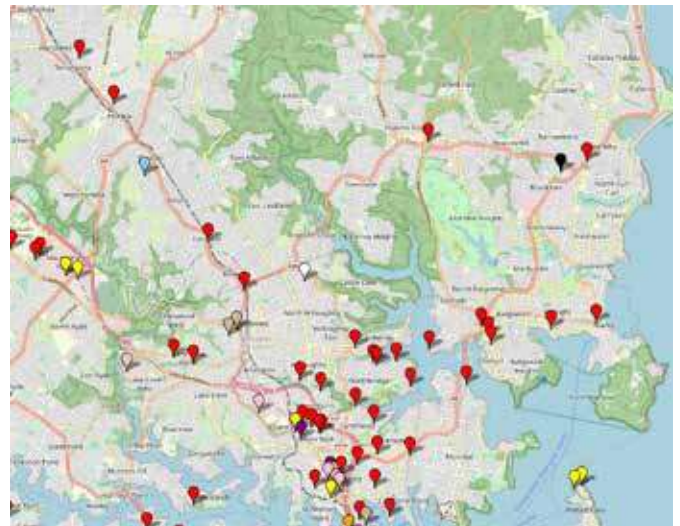
SYDNEY

SYDNEY EAST	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	0	0
CIVIL	0	0	0
COMMERCIAL	0	2	3
EDUCATION	3	2	2
HEALTH	0	0	0
HOTEL	0	0	1
MIXED USE	0	0	0
RECREATION	0	0	0
RESIDENTIAL	22	21	28
RETAIL	0	0	0
TOTAL	25	25	34

The Residential sector constitutes 84% of Sydney East's crane activity. Fifteen new cranes were added and eight were removed from developments in the East.

Cranes can be found in Bellevue Hill, Bondi, Bondi Beach, Bondi Junction, Botany, Bronte, Clovelly, Coogee, Double Bay, Eastgardens, Edgecliff, Kensington, Kingsford, Mascot, North Bondi, Point Piper, Randwick, Rose Bay, Vaucluse, Watsons Bay and Averley.

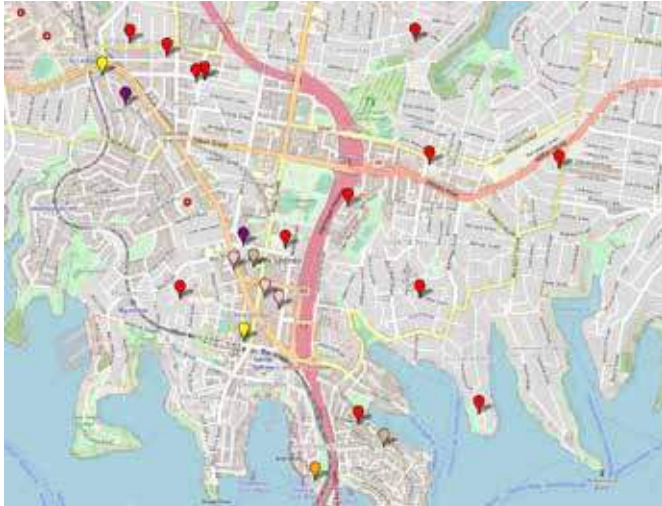
SYDNEY NORTH	Q1 2021	Q3 2021	Q1 2022
CIVIC	0	1	0
CIVIL	3	3	3
COMMERCIAL	5	4	8
EDUCATION	7	4	4
HEALTH	2	2	2
HOTEL	0	0	0
MIXED USE	5	7	8
RECREATION	0	1	1
RESIDENTIAL	48	41	74
RETAIL	1	1	1
TOTAL	71	64	101



Cranes in the East rose by nine to total 34. Residential cranes increased by seven to number 28 across the region. Residential cranes account for 83% of total cranes in the East.

There were no sectors in the East where crane numbers fell since our last count. Commercial, hotel and the residential sectors all recorded crane increases of one, one and seven respectively.

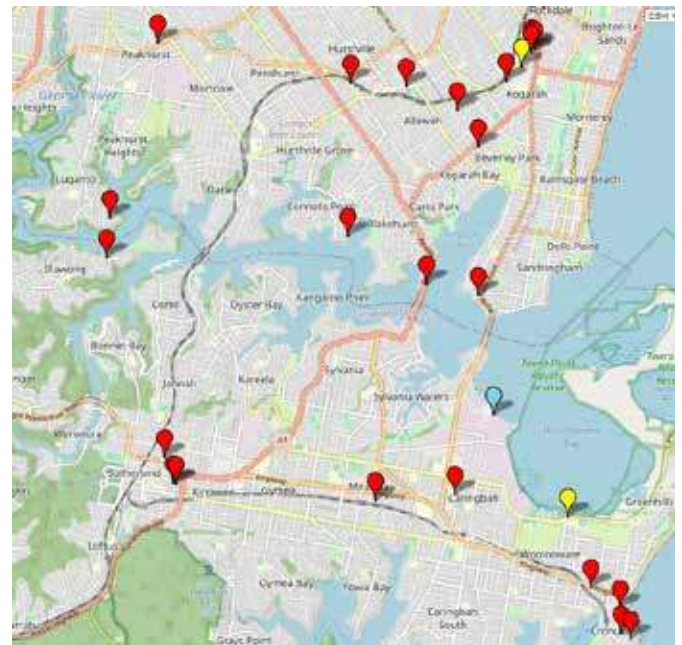
SYDNEY



Cranes across North Sydney decreased by 37, to total 101. A total of 55 cranes were added to sites, while 18 cranes were removed.

In the North, most cranes continue to be centered on the main arterial corridors and can be found in 50 suburbs, including: Artarmon, Asquith, Brookvale, Cammeray, Carlingford, Castle Hill, Castlecraig, Chatswood, Church Point, Clontarf, Cremorne, Crows Nest, Dee Why, Epping, Fairlight, Frenchs Forest, Gordon, Hunters Hill, Kellyville, Kirribilli, Kurraba Point, Lane Cove, Lane Cove North, Lane Cove West, Lindfield, Macquarie Park, Manly, Macquarie Park, Maroubra, Meadowbank, Melrose Park, Mosman, Naremburn, Neutral Bay, Newport, North Sydney, Northbridge, Palm Beach, Pymble, Roseville, Ryde, Seaforth, St Leonards, Thornleigh, Turramurra, Waitara, Waverton, Wentworthville, Whale Beach and Willoughby.

SYDNEY SOUTH	Q1 2021	Q3 2021	Q1 2022
CIVIC	2	1	0
CIVIL	0	1	0
COMMERCIAL	4	2	4
EDUCATION	1	0	0
HEALTH	5	3	2
HOTEL	0	0	0
MIXED USE	0	0	5
RECREATION	0	0	0
RESIDENTIAL	34	35	35
RETAIL	0	0	0
TOTAL	46	42	46



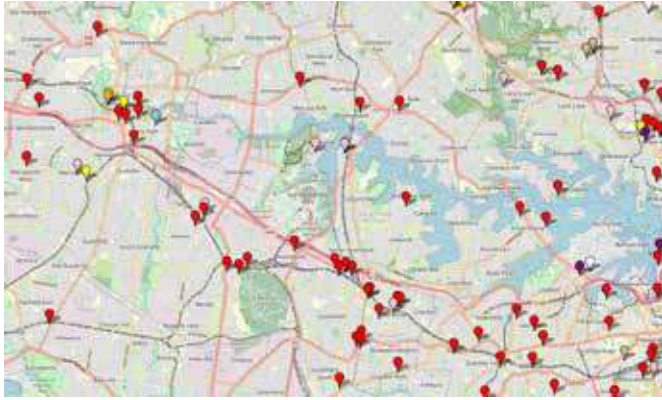
South Sydney recorded a slight increase of four cranes, to total 46. This was attributed to gains in mixed use (+5) and commercial (+2), with slight falls in the civic (1), civil (-1) and health (-1) sectors.

A total of 16 cranes was added, and 12 were removed from sites across the region.

Residential cranes across the South were sighted in 24 suburbs, including: Arncliffe, Beverley Park, Bexley, Blakehurst, Camden, Campbelltown, Caringbah, Carlton, Cronulla, Hurstville, Illawong Kogarah, Kyle Bay, Lugarno, Miranda, Oran Park, Peakhurst, Redfern, Rockdale, San Souci, Sutherland, Taren Point, Wollli Creek and Wollware.

SYDNEY

SYDNEY WEST	Q1 2021	Q3 2021	Q1 2022
CIVIC	5	5	3
CIVIL	0	0	0
COMMERCIAL	8	10	10
EDUCATION	0	0	0
HEALTH	1	3	3
HOTEL	0	0	1
MIXED USE	1	7	6
RECREATION	0	0	0
RESIDENTIAL	46	49	48
RETAIL	0	0	1
TOTAL	61	74	72



Sydney West saw 26 new cranes added, and 28 cranes removed, bringing the region's total cranes to 72. Increases in the hotel (+1) and retail (+1) and decreases in the civic (-2), mixed use (-1) and residential (-1) sectors attributed to the decrease of two cranes from the last edition.

The small drop to 48 residential cranes has seen some promise after a significant drop in cranes to this sector in Q1 2021.

Cranes are situated in 26 suburbs across the West. Suburbs include Bankstown, Belfield, Blacktown, Box Hill, Cabramatta, Campsie, Canterbury, Croydon Park, Eastern Creek, Edmondson Park, Harris Park, Kingswood, Liverpool, Merrylands, Merrylands West, Mount Druitt, Northmead, Parramatta, Penrith, Rouse Hill, Schofields, Seven Hills, Toongabbie, Villawood, Wentworth Point and Wiley Park.

WOLLONGONG

Wollongong's RLB Crane Index® has remained steady at 67 for the past three editions.

There are 11 cranes in the Wollongong LGA with an additional crane located in Shell Harbour.

Four cranes were removed from projects since our last edition including Eclipse, Novello and 35-37 Atchison St in Wollongong, and Nautilus in Shell Cove.

Cranes have been removed from Crownview, Aire, Hannaville Apartments, and The Sails, all in Wollongong.

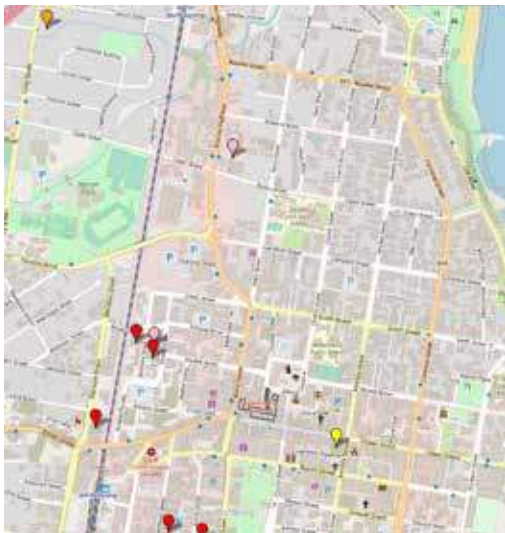
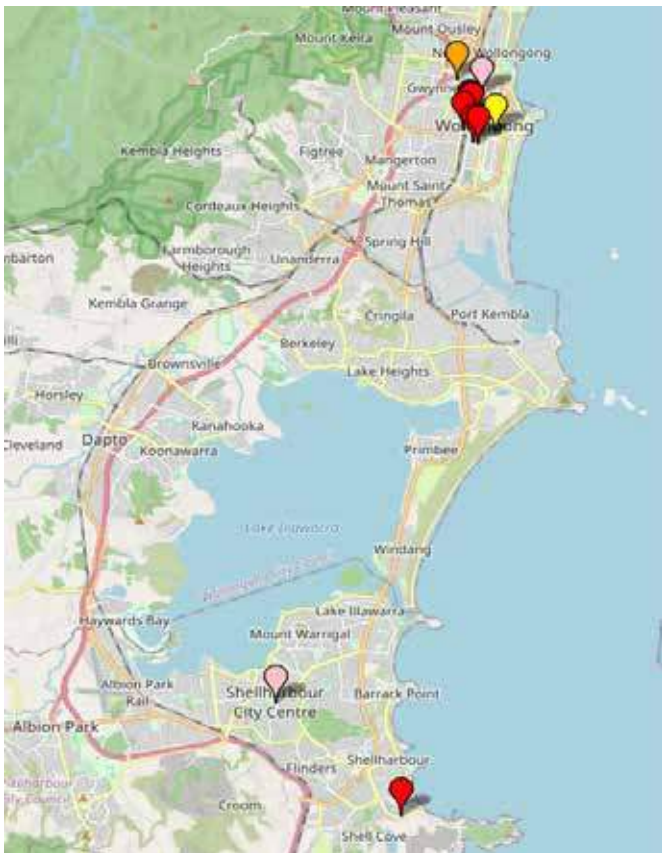
KEY SECTORS

CIVIC	
COMMERCIAL	
MIXED USE	
RESIDENTIAL	

OVERALL STATUS

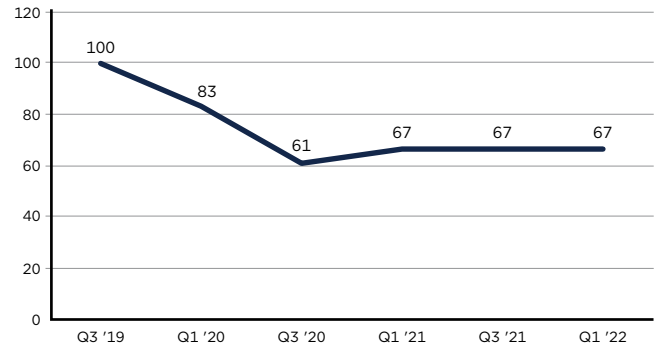


LEGEND



RLB CRANE INDEX® - WOLLONGONG

BASE: Q3 2019 = 100



CRANE ACTIVITY - WOLLONGONG

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q3 2021	%	+	-	NET	Q1 2022	%
CIVIC	1	8.3%	0	0	0	1	8.3%
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%	1	-1	0	0	0.0%
MIXED USE	3	25.0%	0	0	0	3	25.0%
RECREATION	0	0.0%	3	-3	0	0	0.0%
RESIDENTIAL	7	58.3%	0	0	0	7	58.3%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	12	100.0%	4	-4	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 that 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

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