

## AUSTRALIA



### Q3 2023 RLB CRANE INDEX® HIGHLIGHTS

- Counting cranes on a city skyline is a simple way to understand the health of the construction industry – and Rider Levett Bucknall launched the RLB Crane Index® in 2012
- The 882 cranes nationally represent a record high for the 23 editions of the index
- The residential crane index continues to rise to a record value of 178, representing 554 cranes or 63% across Australia
- The Gold Coast, Sunshine Coast and Sydney all recorded record numbers of cranes
- Sydney crane numbers have broken the 400 mark for the first time, with 401 cranes currently across the region
- 50% of all cranes in Australia are located in New South Wales (NSW)
- Melbourne cranes account for 20.2% of all cranes in Australia, followed by South-East Queensland with 19.0% of all cranes
- The gap between Sydney and Melbourne crane numbers has widened significantly over the past six editions.
- There are no non-residential sectors with more than 8.7% of cranes nationally, with mixed-use sector cranes accounting for 77 cranes, up from 70 previously

## AUSTRALIA

The RLB Crane Index® has reached a record high of 207 points, a rise of 11 points or 5.5%. Crane numbers across the country expanded rapidly in the six months since our last publication in Q1 2023.

The past six months has seen 303 new cranes added to new projects, and 257 cranes removed from buildings nearing completion. With 46 additional cranes dotting the skyline in the last six months, the number of cranes across the major regions has hit a record 882.

The large number of cranes observed correlates with national activity. Total construction activity across Australia for the 2022 calendar year was up by 1.8%, or \$3.9B, compared to 2021, according to the Australian Bureau of Statistics. Construction activity in Q1 2023 continued this trend, rising 3.9% or \$2.1B year-on-year.

The residential index reached a record high of 178, up two index points from the previous high of 177 in Q3 2017. The index represents 554 cranes, up from 530 in the last count. 176 cranes were added to residential projects with 152 removed from sites.

The non-residential index rose from 266 to 285 index points, the second highest level recorded. Cranes on non-residential sites now number 328. This is 22 more cranes than the 306 counted in Q1 2023. The non-residential proportion of cranes across the country is 37%, the same proportion as the last count.

Eight cities recorded higher crane numbers for Q3 2023. The number of cranes in Sydney increased by 10% to break 400 cranes for the first time, making Sydney the first Australian city to record this achievement. Cranes within Sydney now number 401 – a rise of 36 cranes.

The number of cranes in Sydney and South-East Queensland (SEQ) has grown more significantly since Q1 2022 than all other cities. Sydney and SEQ crane numbers rose 34% and 65% respectively. In comparison, Melbourne crane numbers fell by 7 to now total 178.

Since the start of the pandemic (Q1 2020), total cranes within Australia have increased by 22% or 160 cranes. This has been largely driven by increases in Sydney (102) and SEQ (Brisbane 27, Gold Coast 28, and the Sunshine Coast 11).

When comparing current and historical crane numbers for Melbourne, Sydney, and nationally, it is evident that Melbourne’s crane activity is falling. Melbourne’s count of 182 cranes is marginally above the average of 174 since Q1 2015. Current crane numbers in Sydney and nationally are well above their respective averages of 310 and 708.

### Q3 2023 RLB CRANE INDEX® SUMMARY

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

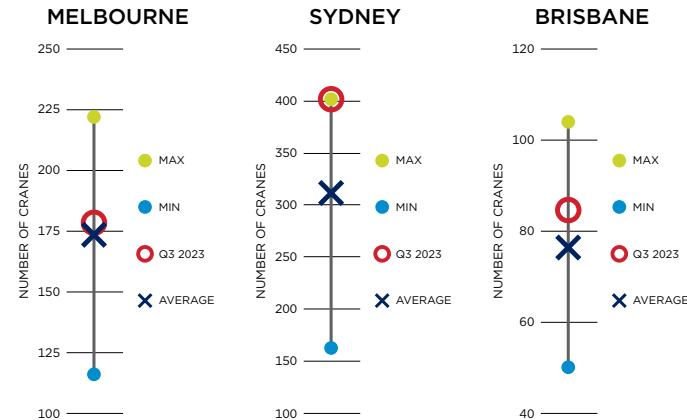
#### LEGEND

 INCREASE IN NUMBER OF CRANES	 DECREASE IN NUMBER OF CRANES	 CRANE NUMBERS STEADY
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## AUSTRALIA

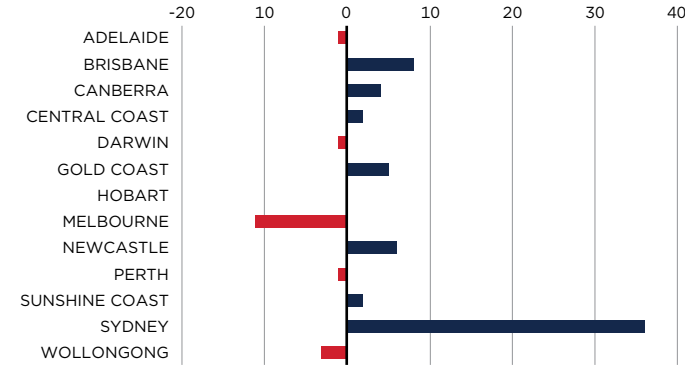
The charts below identify four key metrics within each region's crane index history.

- The green circle represents the greatest number of cranes recorded
- The blue circle represents the least number of cranes recorded
- The red circle represents the current number of cranes counted at Q3 2023
- The "X" indicates the average number of cranes counted over the past 23 editions of the crane index.



### AUSTRALIA NET CRANE MOVEMENT BY CITY

NUMBER OF CRANES REMOVED / ADDED

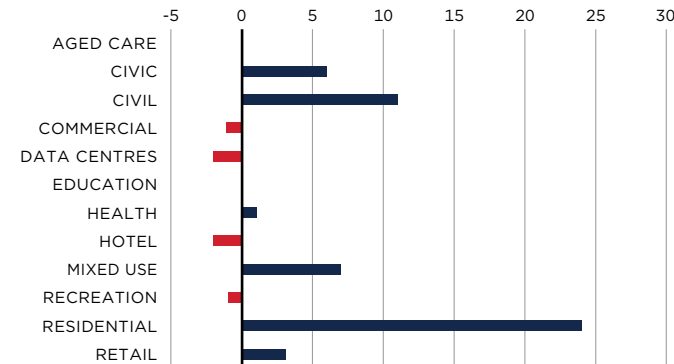


### CRANE ACTIVITY - AUSTRALIA BY KEY CITIES

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
ADELAIDE	18	2.2%	5	-6	-1	17	1.9%
BRISBANE	77	9.2%	36	-28	8	85	9.6%
CANBERRA	17	2.0%	11	-7	4	21	2.4%
CENTRAL COAST	13	1.6%	4	-2	2	15	1.7%
DARWIN	4	0.5%	0	-1	-1	3	0.3%
GOLD COAST	56	6.7%	15	-10	5	61	6.9%
HOBART	1	0.1%	0	0	0	1	0.1%
MELBOURNE	189	22.6%	77	-88	-11	178	20.2%
NEWCASTLE	9	1.1%	8	-2	6	15	1.7%
PERTH	51	6.1%	15	-16	-1	50	5.7%
SUNSHINE COAST	20	2.4%	8	-6	2	22	2.5%
SYDNEY	365	43.7%	123	-87	36	401	45.5%
WOLLONGONG	16	1.9%	1	-4	-3	13	1.5%
<b>TOTAL</b>	<b>836</b>	<b>100.0%</b>	<b>303</b>	<b>-257</b>	<b>46</b>	<b>882</b>	<b>100.0%</b>

### AUSTRALIA NET CRANE MOVEMENT BY SECTOR

NUMBER OF CRANES REMOVED / ADDED



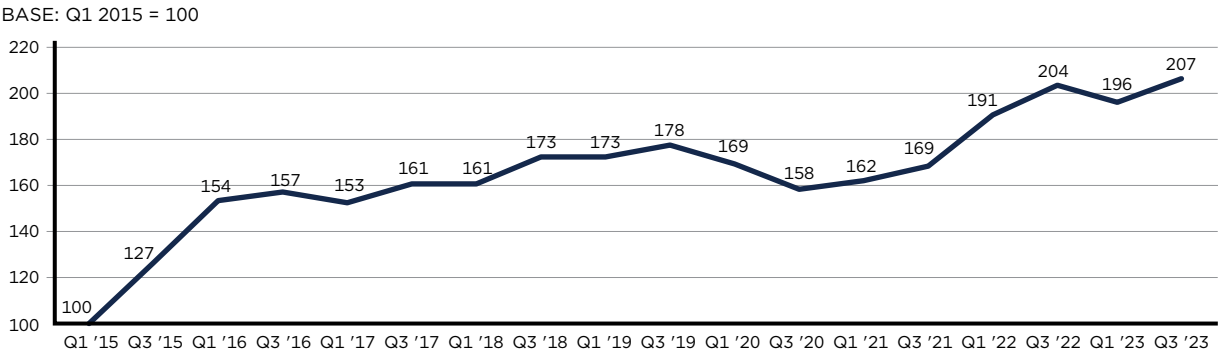
### CRANE ACTIVITY - AUSTRALIA BY SECTOR

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	13	1.6%	4	-4	0	13	1.5%
CIVIC	21	2.5%	9	-3	6	27	3.1%
CIVIL	45	5.4%	23	-12	11	56	6.3%
COMMERCIAL	65	7.8%	22	-23	-1	64	7.3%
DATA CENTRES	15	1.8%	5	-7	-2	13	1.5%
EDUCATION	28	3.3%	18	-18	0	28	3.2%
HEALTH	30	3.6%	13	-12	1	31	3.5%
HOTEL	11	1.3%	0	-2	-2	9	1.0%
MIXED USE	70	8.4%	29	-22	7	77	8.7%
RECREATION	4	0.5%	0	-1	-1	3	0.3%
RESIDENTIAL	530	63.4%	176	-152	24	554	62.8%
RETAIL	4	0.5%	4	-1	3	7	0.8%
<b>TOTAL</b>	<b>836</b>	<b>100.0%</b>	<b>303</b>	<b>-257</b>	<b>46</b>	<b>882</b>	<b>100.0%</b>

## AUSTRALIA

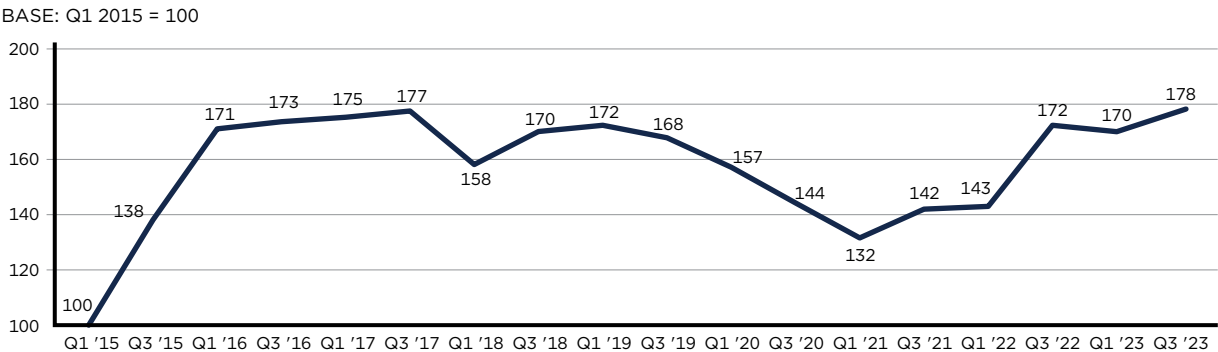
### RLB CRANE INDEX®

The RLB Crane Index® rose to its highest value on record, reaching 207 points. The index value represents 882 cranes across the county, up 5.5% from Q1 2023.



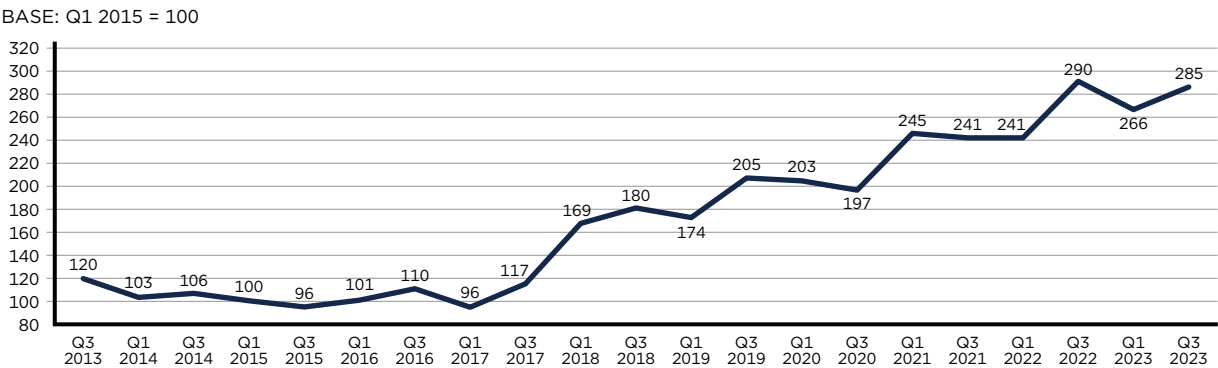
### RESIDENTIAL AUSTRALIAN INDEX

The residential index (which accounts for the number of cranes on residential projects across the country) rose to a record high of 178 points. This also represents the highest index value since the inception of RLB's Crane Index. 554 cranes are currently on residential projects across the country.



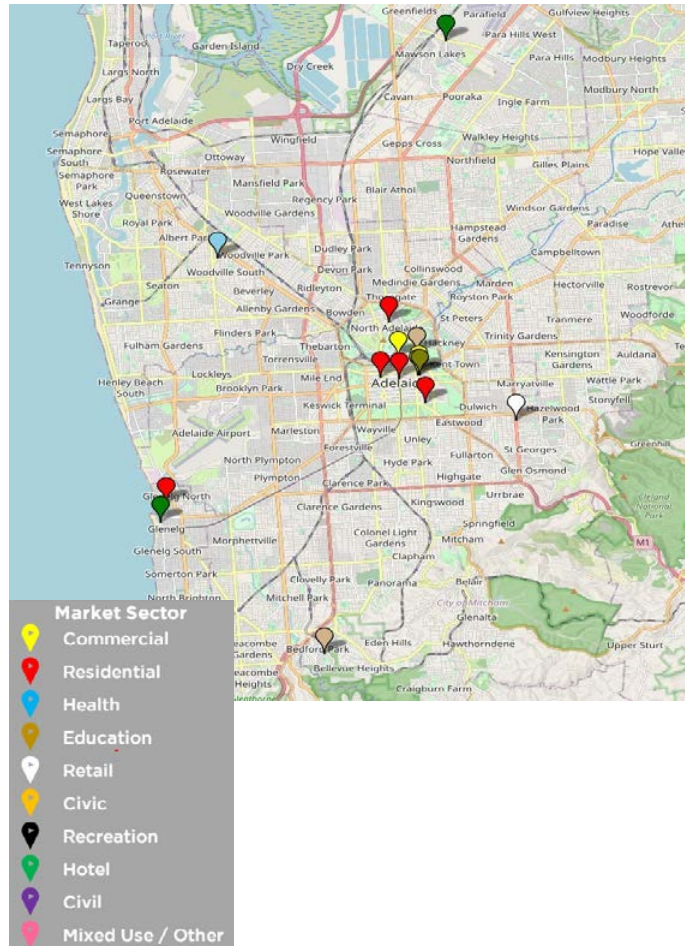
### NON-RESIDENTIAL SECTORS CRANE INDEX

The non-residential index rose to 285 points, five points lower than the record high of 290 achieved in Q3 2022. This index remains at an historically high level, indicating the overall strong activity of non-residential projects across the country.



## ADELAIDE

Adelaide's RLB Crane Index® fell to 283 index points, representing a total of 17 cranes across the city. A total of six cranes were removed, while five cranes were erected on new projects commencing construction, bringing the city's crane numbers to 17.



### CRANE ACTIVITY - ADELAIDE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	4	22.2%	0	-1	-1	3	17.6%
DATA CENTRES	0	0.0%	1	0	1	1	5.9%
EDUCATION	2	11.1%	1	-1	0	2	11.8%
HEALTH	4	22.2%	0	-3	-3	1	5.9%
HOTEL	2	11.1%	0	0	0	2	11.8%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	6	33.3%	1	-1	0	6	35.3%
RETAIL	0	0.0%	2	0	2	2	11.8%
<b>TOTAL</b>	<b>18</b>	<b>100.0%</b>	<b>5</b>	<b>-6</b>	<b>-1</b>	<b>17</b>	<b>100.0%</b>

### KEY SECTORS

COMMERCIAL	↑
DATA CENTRE / INDUSTRIAL	↑
EDUCATION	↑
HEALTH	↑
HOTEL	↑
RESIDENTIAL	↑
RETAIL	↑

### OVERALL STATUS

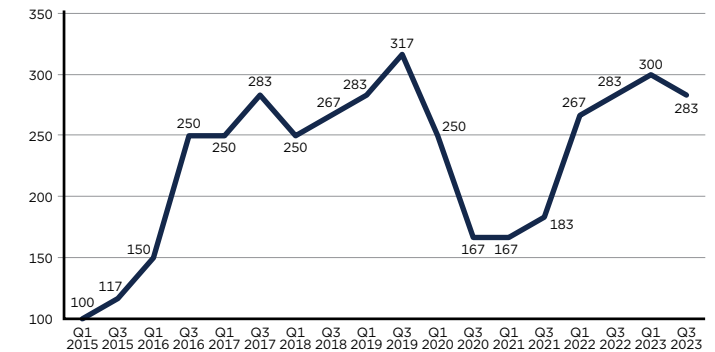


### LEGEND

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

BASE: Q1 2015 = 100





## ADELAIDE

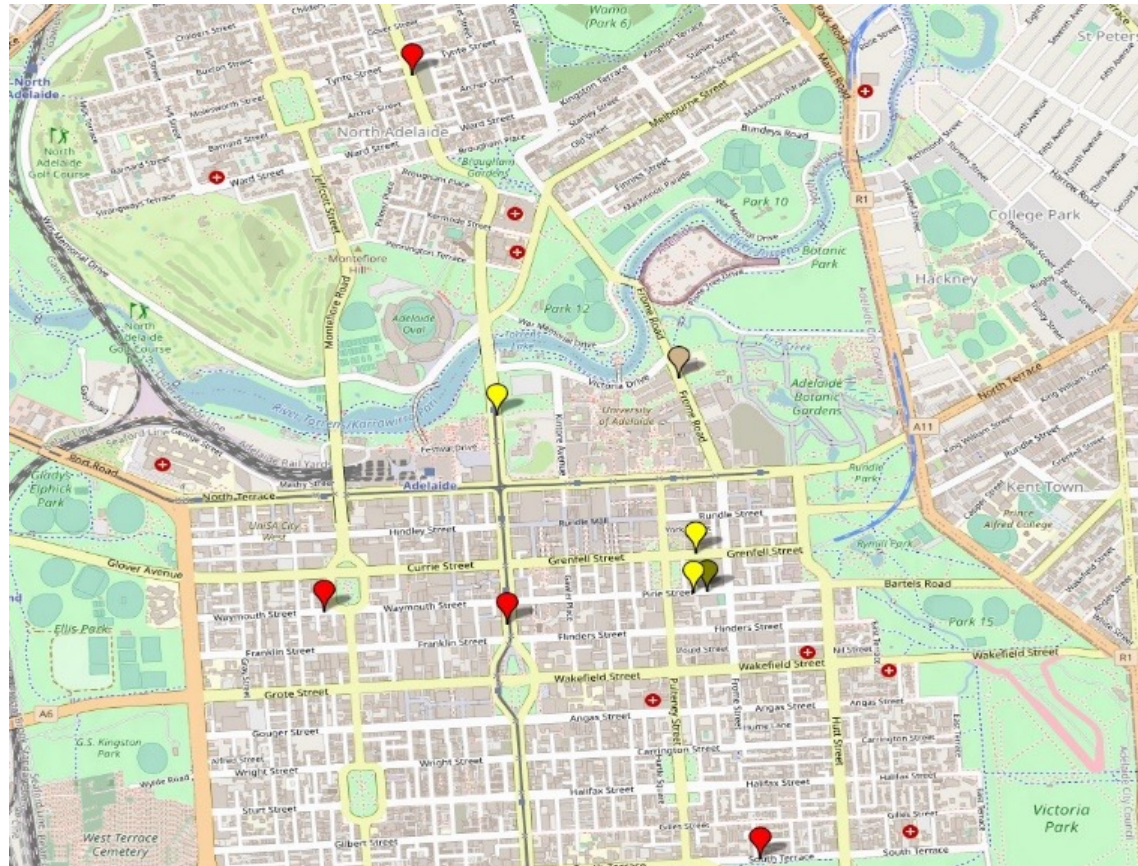
Cranes were added at the following projects:

- Eighty-Eight O'Connell, North Adelaide (Residential)
- Burnside Village, Glenside (Retail, two cranes)
- NextDC, 211 Pirie Street, Adelaide, (Data Centres/Industrial)
- Adelaide Botanic High School, Adelaide (Education)

Cranes were removed from developments at:

- Festival Tower, Festival Plaza Riverbank Precinct, Adelaide (Commercial)
- Flinders University, Bedford Park (Education)
- Queen Elizabeth Hospital, Woodville South (Health)
- SAHMRI 2, Adelaide (two cranes, Health)
- Avista Stage 3, Glenelg (Residential)

The residential sector has the greatest number of cranes at six, followed by the commercial, and hotel sectors, which have three and two cranes respectively.



## BRISBANE

Brisbane recorded a rise from 105 to 116 points. This is the highest value since Q3 2016. The index represents a total of 85 cranes across Brisbane. 28 cranes were removed from sites and 36 new cranes were added.

The total number of cranes across South-East Queensland has risen to a new high of 168. This increase is primarily due to an increase of 12 residential cranes across the region.

Total construction work across the sunshine state for the first three quarters of FY 2023 has eased slightly by 1.7%, when compared to the same period of FY 2022. The level of activity for the three quarters of FY 2023 is \$26.6B compared to \$27.0B for the same period in FY 2022. The fall in work is mostly in residential housing, which declined by \$0.6B or 9.8%. At the same time, non-residential increased by 4.3%, while engineering work fell by 1.0%.

The largest project in terms of crane numbers in the region continues to be the Queen's Wharf project, with seven cranes assisting in construction activities (down from eight in the previous edition).

The residential sector continues to be the largest in Brisbane, accounting for 39% of all cranes (33 of 85 cranes). This is significantly lower than in both Melbourne and Sydney, where residential cranes account for 53% and 65% of all cranes in each city, respectively.

### CRANE ACTIVITY - BRISBANE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	15	19.5%	9	-5	4	19	22.4%
COMMERCIAL	9	11.7%	8	-6	2	11	12.9%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	7	9.1%	2	-4	-2	5	5.9%
HEALTH	2	2.6%	0	0	0	2	2.4%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	14	18.2%	2	-1	1	15	17.6%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	30	39.0%	15	-12	3	33	38.8%
RETAIL	0	0.0%	0	0	0	0	0.0%
<b>TOTAL</b>	<b>77</b>	<b>100.0%</b>	<b>36</b>	<b>-28</b>	<b>8</b>	<b>85</b>	<b>100.0%</b>

### CRANE ACTIVITY - BRISBANE REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
CBD & SURROUNDS	50	64.9%	23	-16	7	57	67.1%
EAST	1	1.3%	0	0	0	1	1.2%
NORTH	11	14.3%	9	-3	6	17	20.0%
SOUTH	9	11.7%	0	-7	-7	2	2.4%
WEST	6	7.8%	4	-2	2	8	9.4%
<b>TOTAL</b>	<b>77</b>	<b>100.0%</b>	<b>36</b>	<b>-28</b>	<b>8</b>	<b>85</b>	<b>100.0%</b>

### KEY SECTORS

CIVIL	
COMMERCIAL	
EDUCATION	
HEALTH	
MIXED USE	
RESIDENTIAL	

### OVERALL STATUS

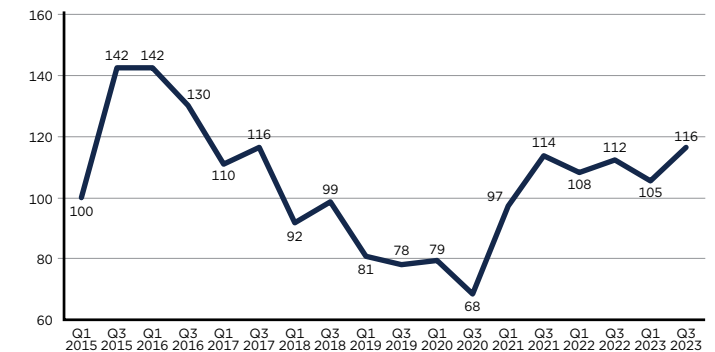


### LEGEND

	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



## BRISBANE

New cranes erected in the residential sector include:

- Arklife Cordelia, South Brisbane
- Brunswick & Co. (Fraser Property), Fortitude Valley (two cranes)
- Chalk Newfarm, New Farm
- Croft on Fish Lane, South Brisbane
- 36 Oxclade Drive, New Farm
- South City Square, Woolloongabba
- Trellis, South Brisbane
- West End Project, West End

While civil cranes represent the second largest sector in Brisbane, it recorded the largest net increase in crane numbers (four cranes). Nine new cranes were erected across at:

- 89 Lytton Street, East Brisbane
- Breakfast Creek Green Bridge (two cranes)
- Cross River Rail, Albert St (two cranes)
- Quay Waterfront, Fortitude Valley (two additional)
- Waterfront Place (two cranes)

Five cranes were removed from the following civil sector projects:

- Cross River Rail, Roma Street (two remain)
- Kangaroo Point Green Bridge (three remain)
- Moggill Road corridor upgrade (one remains)
- Neville Bonner Bridge (two cranes)

The education sector was the only sector to see a decrease in net crane numbers. Four cranes were removed from:

- University of Queensland CCR project
- Brisbane Grammar School
- Ecoscience Precinct, Yeronga

New cranes were sighted at:

- The University of Queensland
- Indooroopilly Montessori Children's House

The commercial sector saw eight new cranes erected on the following projects:

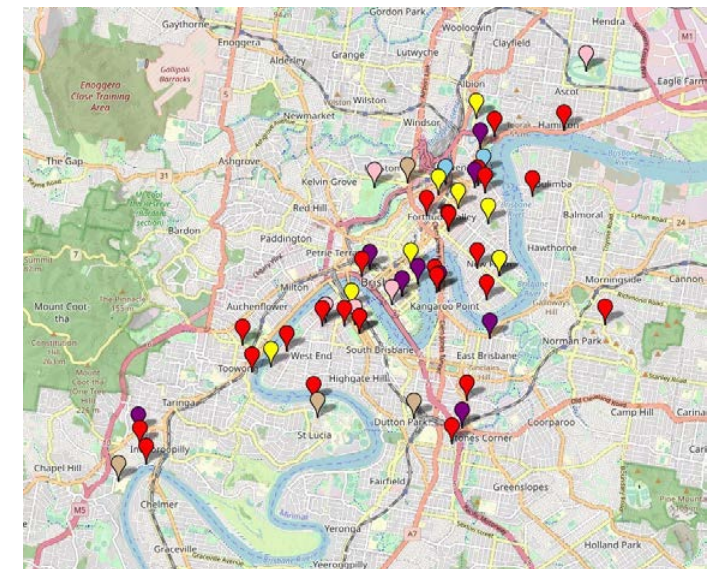
- Montague Market, West End (two cranes)
- QuadReal Lendlease, Bowen Hills (two cranes)
- Tallis Property Group, South Brisbane
- 7 Florens Street, Teneriffe
- Azure, New Farm
- 1 Wallace Street, Albion

Commercial removals occurred at:

- The Garden Pavilion, West End
- Yeerongpilly Green, Yeerongpilly
- 31 Duncan Street, Fortitude Valley
- Shopping Complex, Fortitude Valley
- 198 Ipswich Road, Woolloongabba

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

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	3	2.0%	1	-2	-1	2	1.2%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	15	9.8%	9	-5	4	19	11.3%
COMMERCIAL	10	6.5%	8	-6	2	12	7.1%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	9	5.9%	2	-6	-4	5	3.0%
HEALTH	2	1.3%	0	0	0	2	1.2%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	17	11.1%	4	-2	2	19	11.3%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	97	63.4%	35	-23	12	109	64.9%
RETAIL	0	0.0%	0	0	0	0	0.0%
<b>TOTAL</b>	<b>153</b>	<b>100.0%</b>	<b>59</b>	<b>-44</b>	<b>15</b>	<b>168</b>	<b>100.0%</b>

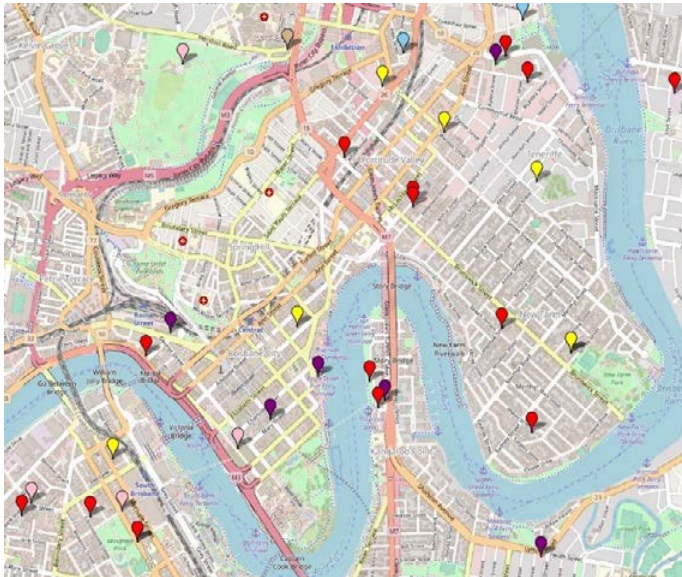




## BRISBANE

### REGION – CRANE NUMBERS

INNER BRISBANE	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	0	0	0	0
CIVIL	11	14	13	18
COMMERCIAL	4	5	8	8
DATA C. / IND.	0	0	0	0
EDUCATION	2	1	1	0
HEALTH	1	1	0	0
HOTEL	0	0	0	0
MIXED USE	13	13	14	13
RECREATION	0	0	0	0
RESIDENTIAL	13	16	14	18
RETAIL	0	0	0	0
<b>TOTAL</b>	<b>44</b>	<b>50</b>	<b>50</b>	<b>57</b>



The Brisbane CBD and surrounding area continues to host the majority—at 67%—of cranes across the city. Crane numbers increased by seven, with 16 removals and 23 additions. With eight cranes on-site, Queen’s Wharf continues to be the largest project by crane number within the region.

New cranes were added in inner Brisbane at:

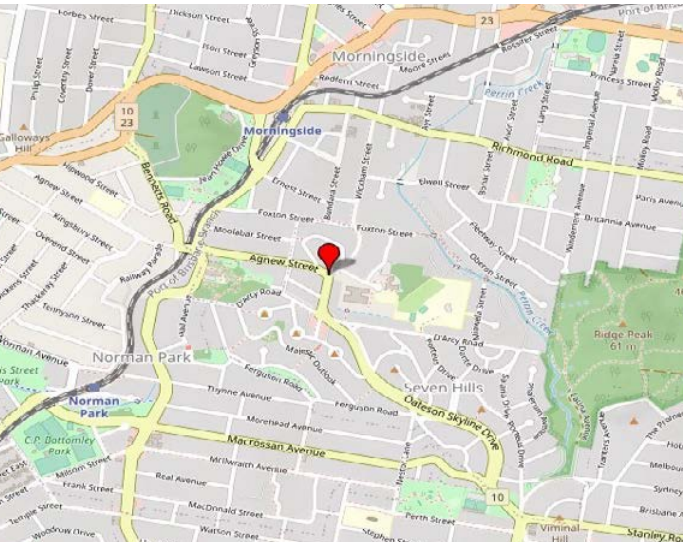
- Quay Waterfront, Fortitude Valley (two cranes)
- Croft on Fish Lane, South Brisbane
- Cross River Rail - Albert St, Brisbane (two cranes)
- Breakfast Creek Green Bridge, Brisbane (two cranes)
- Waterfront Place, Brisbane, (two cranes)
- Montague Market, West End (two cranes)
- Brunswick & Co. Fraser Property, Fortitude Valley (two cranes)
- South City Square, Woolloongabba
- Arklife Cordelia, South Brisbane
- West End Project, West End
- Trellis, South Brisbane
- Tallis Property Group, South Brisbane
- 89 Lytton Street, East Brisbane
- 7 Florens Street, Teneriffe
- 36 Oxclade Drive, New Farm
- Azure, New Farm
- Chalk New Farm, New Farm

Sixteen cranes were removed from projects in Brisbane, South Brisbane, Kangaroo Point, Fortitude Valley, Spring Hill, Woolloongabba, and West End.

## BRISBANE

### REGION – CRANE NUMBERS

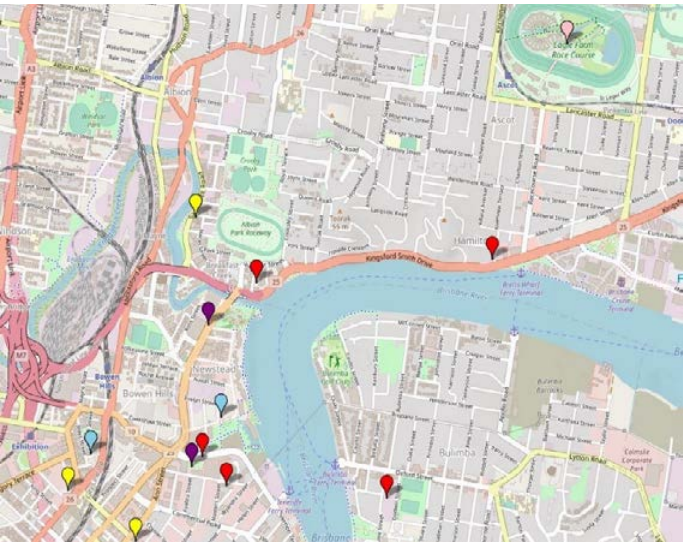
BRISBANE EAST	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	0	0	0	0
CIVIL	0	0	0	0
COMMERCIAL	0	0	0	0
DATA C. / IND.	0	0	0	0
EDUCATION	1	0	0	0
HEALTH	0	0	0	0
HOTEL	0	0	0	0
MIXED USE	0	0	0	0
RECREATION	0	0	0	0
RESIDENTIAL	2	1	1	1
RETAIL	0	0	0	0
TOTAL	3	1	1	1



Activity in Brisbane’s east remains stagnant, with no movement in crane numbers. One crane remains on the Clearview Urban Village project.

### REGION – CRANE NUMBERS

BRISBANE NORTH	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	1	0	0
CIVIC	0	0	0	0
CIVIL	1	2	0	0
COMMERCIAL	1	0	0	3
DATA C. / IND.	0	0	0	0
EDUCATION	0	0	2	1
HEALTH	2	2	2	2
HOTEL	0	0	0	0
MIXED USE	3	2	0	2
RECREATION	0	0	0	0
RESIDENTIAL	9	10	7	9
RETAIL	0	0	0	0
TOTAL	16	17	11	17



The north has seen a significant growth in crane numbers, with 17 cranes in the skies as of the latest count, up from 11. A total of three cranes were removed, while nine new cranes were put in place.

### New cranes include:

- Waterfront Sky, Newstead
- QuadReal Lendlease BTR, Bowen Hills (two cranes)
- Rivello Hamilton, Hamilton
- 402 Kingsford Smith Drive, Albion
- Herston Quater Stage 4B & 4C, Herston
- Eagle Farm Racecourse, Ascot
- 1 Wallace Street, Albion
- Red & Co., Albion

Three cranes were removed in Herston from 206 Herston Road and University of Queensland Centre for Clinical Research (UQCCR).



## BRISBANE

### REGION – CRANE NUMBERS

BRISBANE SOUTH	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	0	0	0	0
CIVIL	5	4	0	0
COMMERCIAL	0	0	1	0
DATA C. / IND.	0	0	0	0
EDUCATION	0	0	4	2
HEALTH	0	0	0	0
HOTEL	0	0	0	0
MIXED USE	0	0	0	0
RECREATION	0	0	0	0
RESIDENTIAL	3	4	4	0
RETAIL	0	0	0	0
<b>TOTAL</b>	<b>8</b>	<b>8</b>	<b>9</b>	<b>2</b>



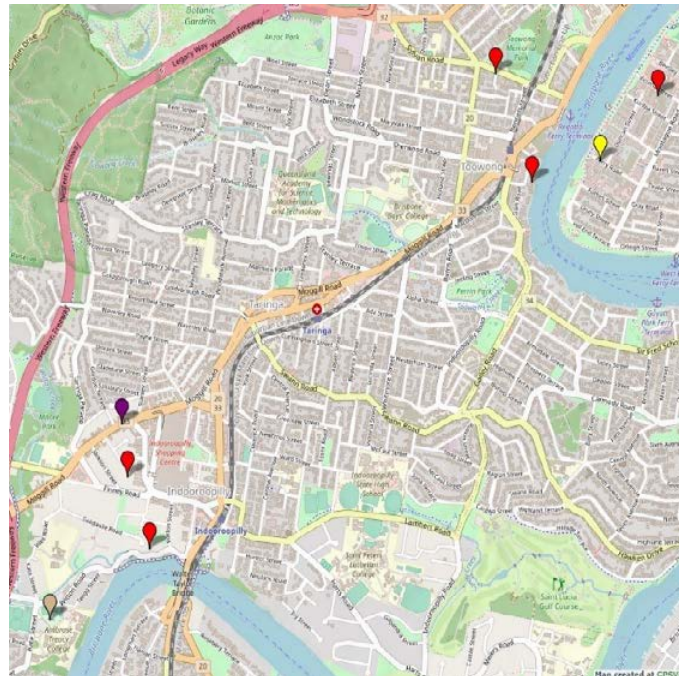
Cranes across the south fell by seven, and no new cranes were added.

Cranes were removed from:

- Carlton Street, Highgate Hill (two cranes)
- The Ecoscience Precinct, Yeronga (two cranes)
- Stanford and Oxford, Dutton Park (two cranes)
- Yeerongpilly Green, Yeerongpilly

### REGION – CRANE NUMBERS

BRISBANE WEST	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	0	0	0	0
CIVIL	0	1	2	1
COMMERCIAL	0	0	0	0
DATA C. / IND.	-	0	0	0
EDUCATION	1	1	0	2
HEALTH	1	0	0	0
HOTEL	0	0	0	0
MIXED USE	0	0	0	0
RECREATION	0	0	0	0
RESIDENTIAL	6	4	4	5
RETAIL	0	0	0	0
<b>TOTAL</b>	<b>8</b>	<b>6</b>	<b>6</b>	<b>8</b>



Crane activity in Brisbane's west increased to eight cranes, with four additions offset by two removals.

Additions included:

- The University of Queensland, St Lucia
- Indooroopilly Montessori Children's House, Indooroopilly
- The Priory, Indooroopilly
- One Earle Lane, Toowong

Cranes were removed from:

- Moggill Road Corridor Upgrade, Indooroopilly
- The Kensington, Toowong

## CANBERRA

Canberra's RLB Crane Index® increased to 420 index points. The total number of cranes in Canberra is currently 21, an increase of four cranes. Eleven new cranes were added, while seven cranes were removed.

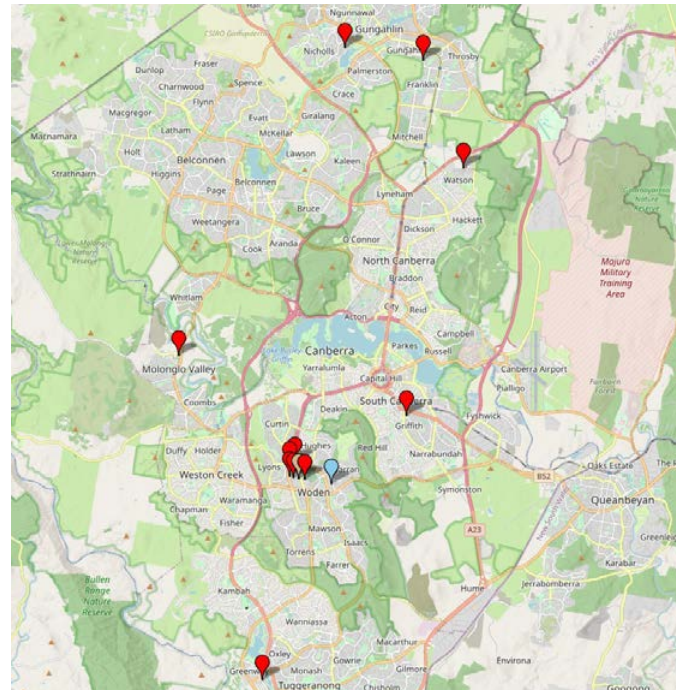
The residential sector saw six new cranes erected, and four removals. There are now 15 cranes within the sector.

Cranes were added at the following projects:

- Australian War Memorial Redevelopment (Civic, 2 cranes)
- CSIRO (Civic)
- The Melrose, Woden (Residential)
- Oaks, Phillip (Residential)
- W2, Woden (Residential)
- CIT Woden, Phillip (Educational)
- Woden Green, Phillip (Residential)
- Nue, Gungahlin (Residential)
- Norrebro, Watson (Residential)
- 19 National Circuit (Commercial).

Cranes have been removed from developments at:

- Canberra Hospital Expansion Project, Garran (Health)
- Renaissance Manuka, Griffith (Residential)
- Dickson Village, Dickson (Residential)
- Gungahlin Market Place Stage 4, Gungahlin (Retail)
- Northbourne Village - The Sullivan, Lyneham (Residential)
- RISE Precinct, Bruce (Commercial)
- The Brooke, Bruce (Residential).



### CRANE ACTIVITY - CANBERRA

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0.0%	0	0	0	0	0.0%
CIVIC	0	0.0%	3	0	3	3	14.3%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	1	5.9%	1	-1	0	1	4.8%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	0	0.0%	1	0	1	1	4.8%
HEALTH	2	11.8%	0	-1	-1	1	4.8%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	13	76.5%	6	-4	2	15	71.4%
RETAIL	1	5.9%	0	-1	-1	0	0.0%
TOTAL	17	100.0%	11	-7	4	21	100.0%

### KEY SECTORS

CIVIC	↑
COMMERCIAL	↓
EDUCATION	↑
HEALTH	↑
RESIDENTIAL	↑
RETAIL	↓

### OVERALL STATUS

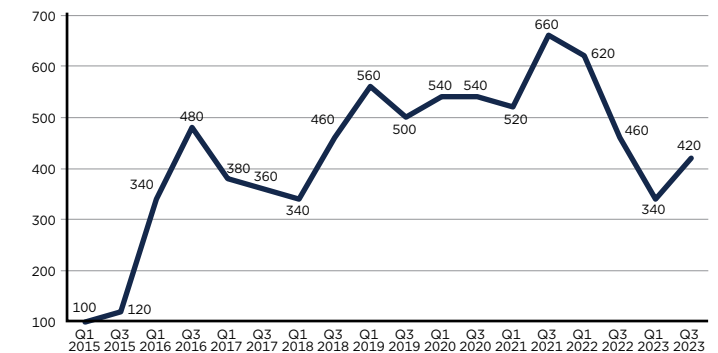


### LEGEND

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

BASE: Q4 2015 = 100





## CENTRAL COAST

The RLB Crane Index® for the Central Coast increased to 83 index points, up from 72 points in the last report. The increase represents two cranes to bring the total number of cranes across the region to 15. Four new cranes were added, while two were removed.

Cranes were added at the following projects:

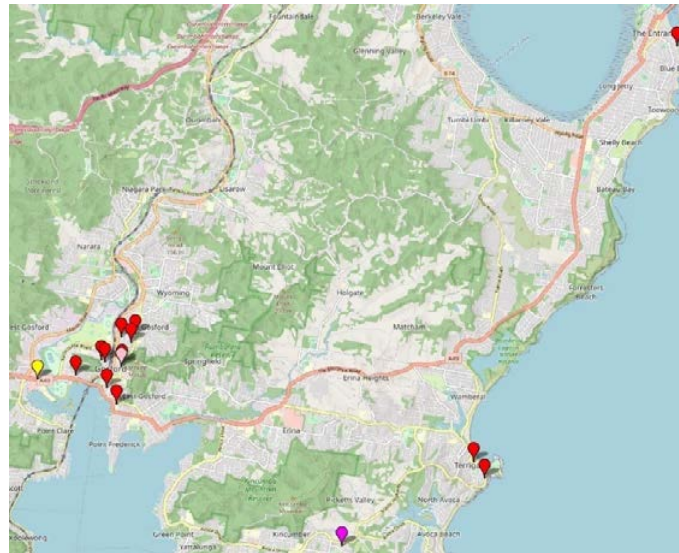
- Catholic Healthcare, Kincumber (Aged Care)
- 1 Shortland Street, Point Frederick (Residential)
- Vue Mer Residences, Gosford (Mixed Use / Other)
- 55 Holden Street, Gosford (Residential)

Cranes were removed from:

- Jabiru, Ettalong Beach (Residential)
- Azure Point Frederick, Point Frederick (Residential)

### CRANE ACTIVITY - CENTRAL COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0	1	0	1	1	0
CIVIC	0	0	0	0	0	0	0
CIVIL	0	0	0	0	0	0	0
COMMERCIAL	1	0	0	0	0	1	0
DATA CENTRES	0	0	0	0	0	0	0
EDUCATION	0	0	0	0	0	0	0
HEALTH	0	0	0	0	0	0	0
HOTEL	0	0	0	0	0	0	0
MIXED USE	0	0	1	0	1	1	0
RECREATION	0	0	0	0	0	0	0
RESIDENTIAL	12	0	2	-2	0	12	0
RETAIL	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>13</b>	<b>0.0%</b>	<b>4</b>	<b>-2</b>	<b>2</b>	<b>15</b>	<b>0.0%</b>



### KEY SECTORS

AGED CARE	✓
COMMERCIAL	✓
MIXED USE	✓
RESIDENTIAL	✓

### OVERALL STATUS

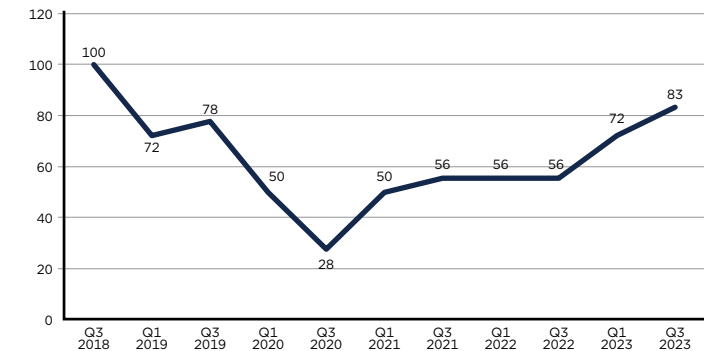


### LEGEND

✓	INCREASE IN NUMBER OF CRANES	✗	DECREASE IN NUMBER OF CRANES	⏏	CRANE NUMBERS STEADY
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### RLB CRANE INDEX® - CENTRAL COAST

BASE: Q3 2018 = 100



## DARWIN

The number of cranes in Darwin fell since the last edition, decreasing from four to three.

Two cranes remain at the Education and Community Precinct on Cavenagh Street, and at the Breeze Apartment building, a 92-dwelling development at 33 Progress Drive, Coconut Grove.

A crane was removed from the Larraykeyah Barracks Redevelopment project.

KEY SECTORS	
CIVIL	↑
EDUCATION	↑
RESIDENTIAL	↑

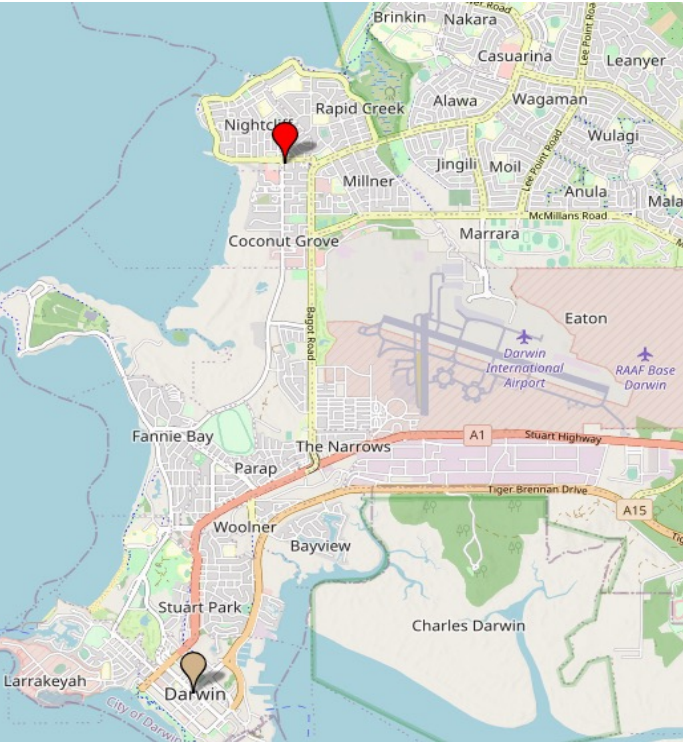
OVERALL STATUS

LEGEND

INCREASE IN NUMBER OF CRANES

DECREASE IN NUMBER OF CRANES

CRANE NUMBERS STEADY

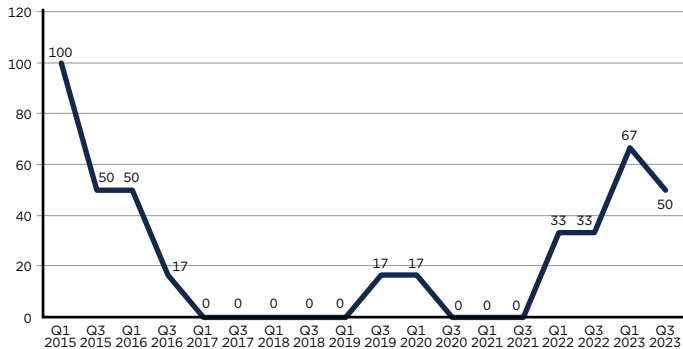


### CRANE ACTIVITY - DARWIN

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0%	0	0	0	0	0.0%
CIVIC	0	0%	0	0	0	0	0.0%
CIVIL	1	25%	0	-1	-1	0	0.0%
COMMERCIAL	0	0%	0	0	0	0	0.0%
DATA CENTRES	0	0%	0	0	0	0	0.0%
EDUCATION	2	50%	0	0	0	2	66.7%
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	1	25%	0	0	0	1	33.3%
RETAIL	0	0%	0	0	0	0	0.0%
TOTAL	4	100.0%	0	-1	-1	3	100.0%

### RLB CRANE INDEX® - DARWIN

BASE: Q1 2015 = 100



## GOLD COAST

The Gold Coast RLB Crane Index® continued its upwards rise, increasing from 373 index points to a new peak of 407 points. A total of 15 cranes were added across the region, with 10 cranes removed. The net addition of five cranes brings Gold Coast's total crane number to 61.

Residential cranes continue to dominate the skies, accounting for 90.2% of all cranes in the region. The only other sectors with cranes (of which there is one each) are the aged care, commercial, education and mixed-use sectors.

New cranes in the Gold Coast region include:

- Athena Residences, Hope Island (Residential)
- Pavilion Stage 2, Bilinga (Residential)
- Marella, Broadbeach (Residential)
- Luxe, Broadbeach (Residential)
- Glasshouse, Burleigh Heads (Residential)
- The Lakes, Mermaid Waters (Mixed Use / Other)
- Pine Lakes Retirement Village, Elanora (Aged Care)
- Seaclusion, Palm Beach (Residential)
- Sanctuary, Southport (Mixed Use / Other)
- Royale, Surfers Paradise (Residential)
- Vista St, Surfers Paradise (Residential)
- Greenwich, Surfers Paradise (Residential)
- Chevron One, Surfers Paradise (Residential)
- 4 Carmichael Place, Coolangatta (Residential)
- Rockpool, Coolangatta (Residential)

### CRANE ACTIVITY - GOLD COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	1	1.8%	1	0	1	2	3.3%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	1	1.8%	0	0	0	1	1.6%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	1	1.8%	0	-1	-1	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	1	1.8%	2	0	2	3	4.9%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	52	92.9%	12	-9	3	55	90.2%
RETAIL	0	0.0%	0	0	0	0	0.0%
<b>TOTAL</b>	<b>56</b>	<b>100.0%</b>	<b>15</b>	<b>-10</b>	<b>5</b>	<b>61</b>	<b>100.0%</b>

### KEY SECTORS

AGED CARE	
COMMERCIAL	
EDUCATION	
MIXED USE	
RESIDENTIAL	

### OVERALL STATUS

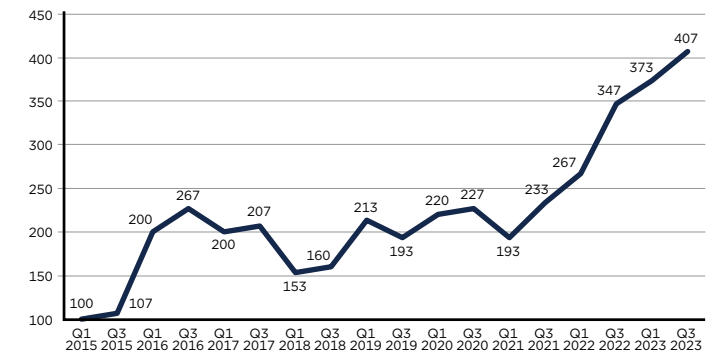


### LEGEND

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

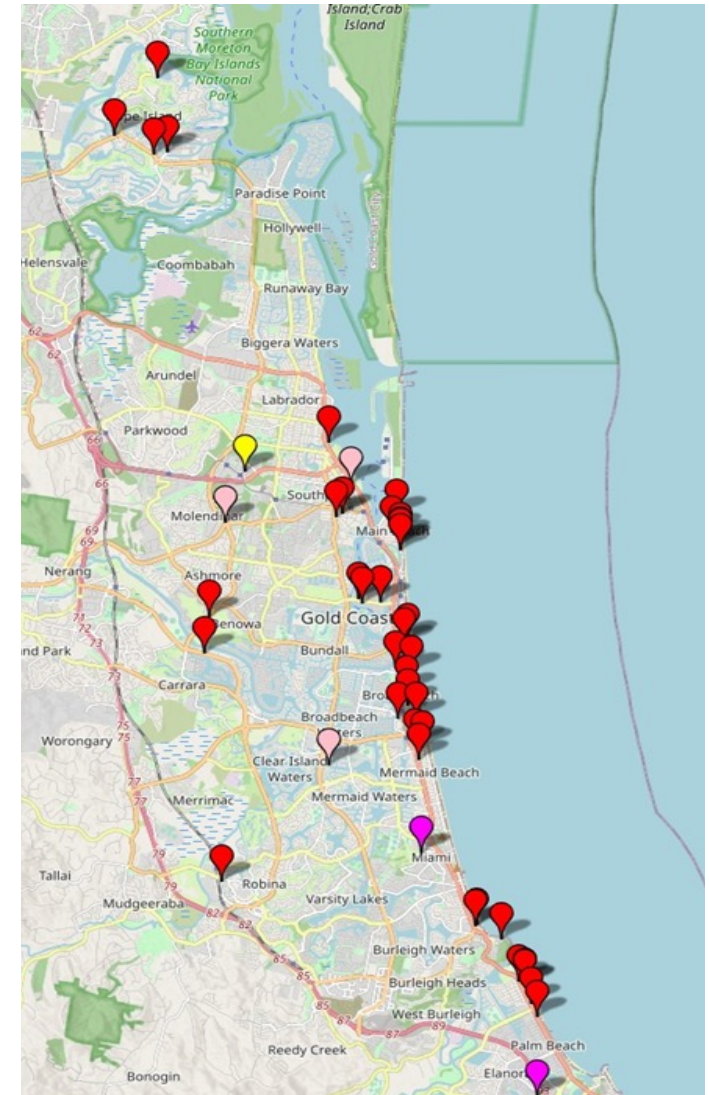
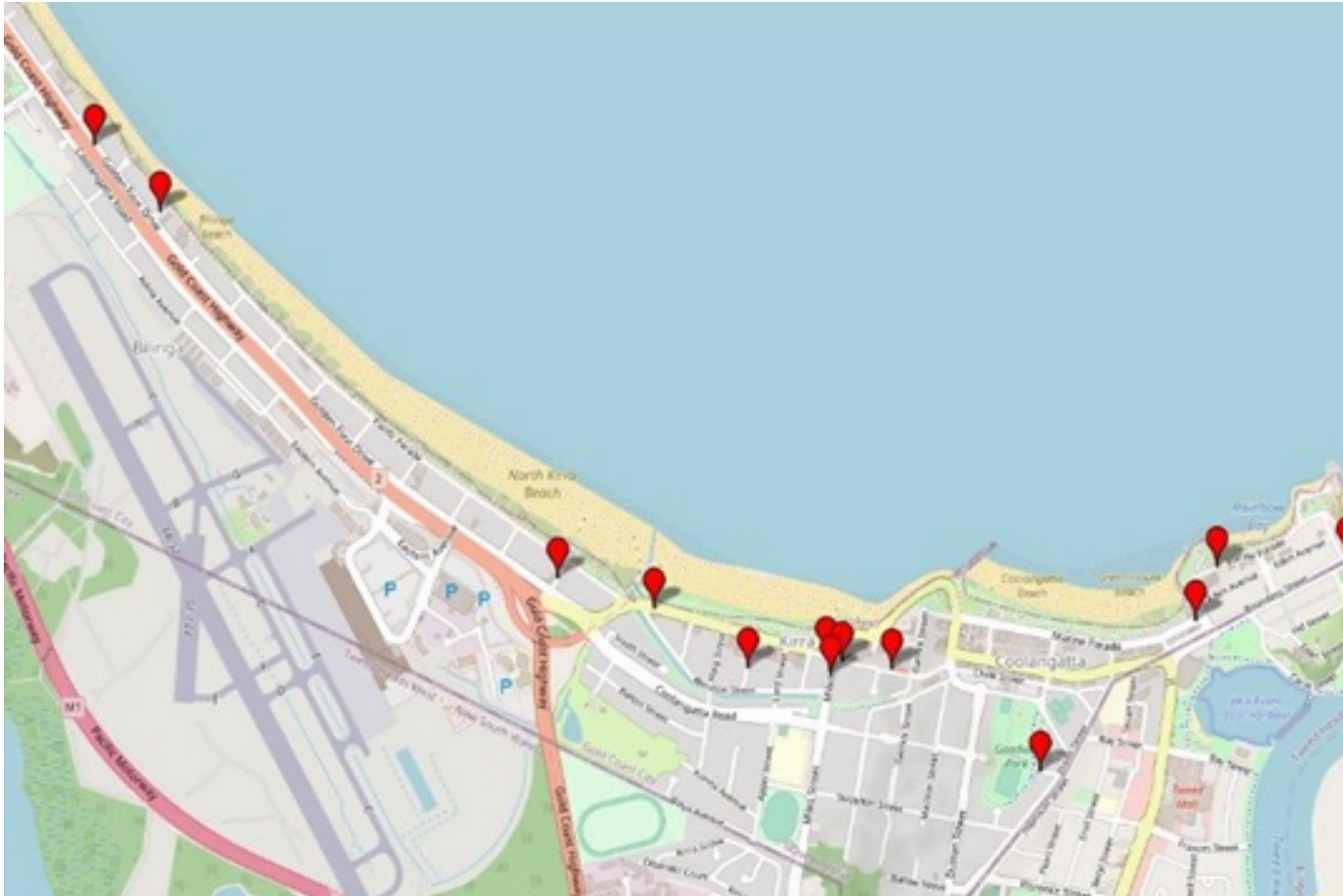
BASE: Q1 2015 = 100





## GOLD COAST

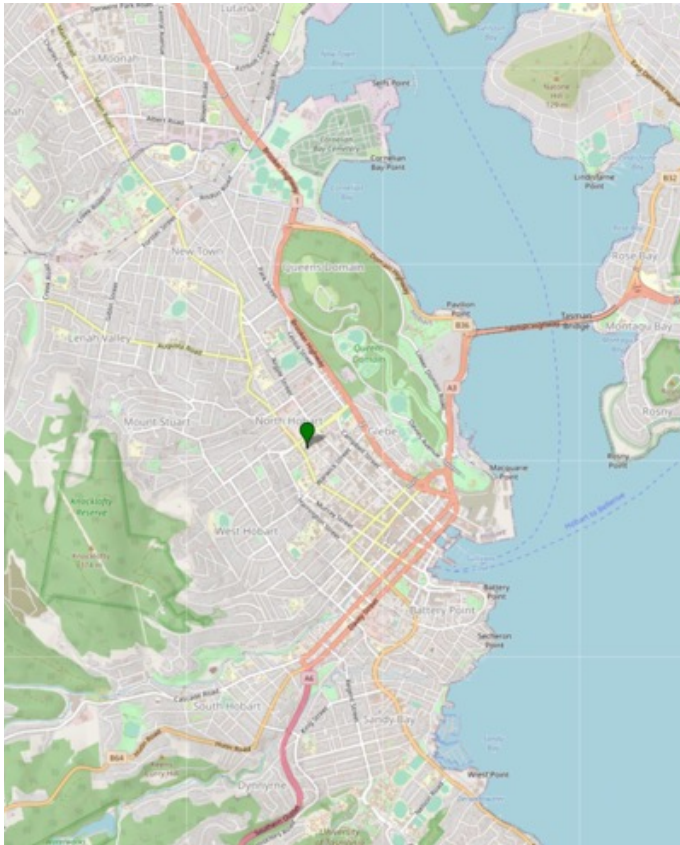
Ten cranes were removed from sites in Palm Beach (three), Broadbeach (two), Burleigh Heads (two), Main Beach, Robina and Surfers Paradise. Nine cranes were removed from residential sites, and one crane was removed from the educational sector.





## HOBART

Hobart has only one crane on the skyline as part of the Novotel project in the CBD.



### CRANE ACTIVITY - HOBART

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0%	0	0	0	0	0%
CIVIC	0	0%	0	0	0	0	0%
CIVIL	0	0%	0	0	0	0	0%
COMMERCIAL	0	0%	0	0	0	0	0%
DATA CENTRES	0	0%	0	0	0	0	0%
EDUCATION	0	0%	0	0	0	0	0%
HEALTH	0	0%	0	0	0	0	0%
HOTEL	1	100%	0	0	0	1	100%
MIXED USE	0	0%	0	0	0	0	0%
RECREATION	0	0%	0	0	0	0	0%
RESIDENTIAL	0	0%	0	0	0	0	0%
RETAIL	0	0%	0	0	0	0	0%
<b>TOTAL</b>	<b>1</b>	<b>100.0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>100.0%</b>

### KEY SECTORS

HOTEL



### OVERALL STATUS



### LEGEND



INCREASE  
IN NUMBER  
OF CRANES



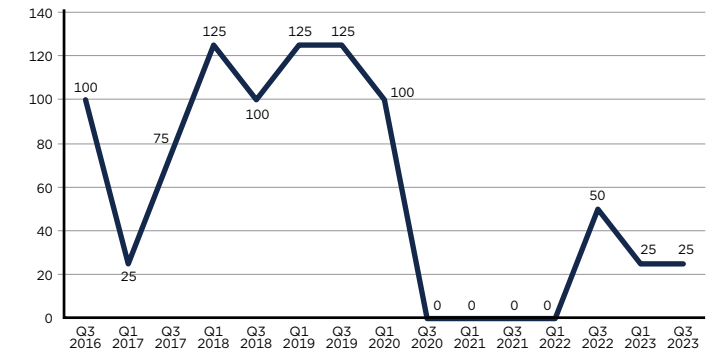
DECREASE  
IN NUMBER  
OF CRANES



CRANE  
NUMBERS  
STEADY

### RLB CRANE INDEX® - HOBART

BASE: Q3 2016 = 100



## MELBOURNE

Melbourne recorded a 6% fall in the Q3 2023 RLB Crane Index. The index is 153 points—down from 163 points in Q1 2023. Across Melbourne, 77 new cranes were added to projects, and 88 cranes were removed. This represents a net loss of 11 cranes across the region, bringing the number of cranes down to 178, compared to 189 recorded in the previous edition of the index. This is a 20% drop in cranes compared to Q1 2019, when the highest number of cranes was recorded in Melbourne, a total of 222 cranes.

The value of new building (residential and non-residential) approvals correlates to the fall in crane numbers over the past six months, with weakening approval numbers.

Total approvals lifted by 2.9% for FY 2023 over the previous 12 months. Looking into this result highlights a drop in the sectors which traditionally have cranes on development sites. Apartments (down 4.5%), Health (-26.8%), and Hotels (-36.2%) have all fallen from FY 2022 levels.

Overall, Melbourne saw another net increase in the number of cranes in the civil sector, with six additional cranes. This reflects the high public works activity currently underway across the city. Significant activity for the Westgate Tunnel project, Level Crossing Removal Project, and the Metro Tunnel project are all contributing to record numbers of civil cranes. The current 23 civil cranes match the previous sector high in Q3 2021.

The only other sector that saw net growth of more than two cranes was the health sector, with three cranes installed on the \$1.1 billion redevelopment of Frankston Hospital. This will deliver a new 12-storey clinical services tower and main entrance, 130 more beds, new spaces for mental health and oncology services and 15 new operating theatres.

A decline in crane numbers was seen in the residential (down seven), mixed use (down seven), commercial (down three), data centres (down three), hotel (down one), recreation (down one), and civic (down one) sectors.

While the residential sector recorded a net loss in crane numbers, it still accounted for the majority of cranes in Melbourne at 53%. While civil cranes now account for 13%.

### CRANE ACTIVITY - MELBOURNE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	2	1.1%	1	0	1	3	1.7%
CIVIC	3	1.6%	0	-1	-1	2	1.1%
CIVIL	17	9.0%	10	-4	6	23	12.9%
COMMERCIAL	21	11.1%	6	-9	-3	18	10.1%
DATA CENTRES	6	3.2%	1	-4	-3	3	1.7%
EDUCATION	4	2.1%	4	-4	0	4	2.2%
HEALTH	14	7.4%	6	-3	3	17	9.6%
HOTEL	4	2.1%	0	-1	-1	3	1.7%
MIXED USE	14	7.4%	2	-9	-7	7	3.9%
RECREATION	3	1.6%	0	-1	-1	2	1.1%
RESIDENTIAL	101	53.4%	45	-52	-7	94	52.8%
RETAIL	0	0.0%	2	0	2	2	1.1%
<b>TOTAL</b>	<b>189</b>	<b>100.0%</b>	<b>77</b>	<b>-88</b>	<b>-11</b>	<b>178</b>	<b>100.0%</b>

### KEY SECTORS

AGED CARE	
CIVIC	
CIVIL	
COMMERCIAL	
DATA CENTRE / INDUSTRIAL	
EDUCATION	
HEALTH	
HOTEL	
MIXED USE	
RECREATION	
RESIDENTIAL	
RETAIL	

### OVERALL STATUS

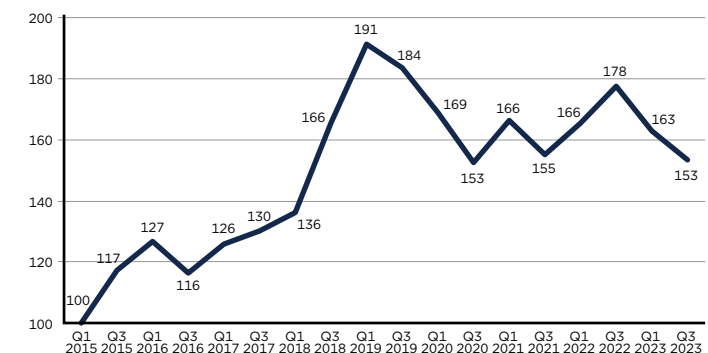


### LEGEND



### RLB CRANE INDEX® - MELBOURNE

BASE: Q1 2015 = 100



## MELBOURNE

The commercial sector saw cranes commence at:

- 423-431 Bourke Street, Melbourne
- 130 Little Collins Street, Melbourne
- 43-57 Blazey Street, Richmond
- 34 Eastern Road, South Melbourne
- 159-161 Eastern Road, South Melbourne
- 143 Canterbury Road, Toorak

One crane commenced at the MEL04 data centre in Brooklyn within the data centre / industrial sector.

Within the education sector, cranes were placed on projects at:

- Brighton Grammar
- Ruyton Girls' School
- Northcote High School
- Caulfield Grammar

Investment in the health sector saw new cranes on:

- Frankston Hospital
- Fullerton Clinic, Epping
- Adeney Private Hospital, Kew
- The Alfred Hospital (Paula Fox Centre)

One crane was added to each of the Chadstone Shopping Centre and the Malvern Collective projects within the mixed-use sector.

Within the Melbourne CBD, two cranes commenced at the former David Jones store in Bourke Street in the retail sector.

Residential developments with more than one crane include:

- Seafarers, Docklands
- Local: Kensington
- Homes Victoria, Prahran
- 15-85 Gladstone Street, South Melbourne
- Brunswick Yard, Brunswick
- PACE 3058, Coburg
- HOME Docklands
- Ivanhoe Gardens, Heidelberg Heights
- Assemble TSK, Kensington
- The Muse, St Kilda Road
- North Melbourne public housing
- 14 - 16 Yarra Street, South Yarra
- Spotswood Yards, Spotswood

A total of 45 cranes were added to residential sites over the past six months, with 52 removed.

### CRANE ACTIVITY - MELBOURNE REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
CBD & SURROUNDS	84	44.4%	38	-35	3	87	48.9%
EAST	18	9.5%	7	-10	-3	15	8.4%
GEELONG	3	1.6%	0	-2	-2	1	0.6%
NORTH	23	12.2%	8	-14	-6	17	9.6%
SOUTH	35	18.5%	16	-15	1	36	20.2%
WEST	26	13.8%	8	-12	-4	22	12.4%
<b>TOTAL</b>	<b>189</b>	<b>100.0%</b>	<b>77</b>	<b>-88</b>	<b>-11</b>	<b>178</b>	<b>100.0%</b>

Across the city's six main regions, increases in crane numbers were only seen in the inner and southern regions, increasing by three and one respectively. All other regions saw crane numbers decrease, for an overall net loss of 11 cranes across Melbourne's regions.



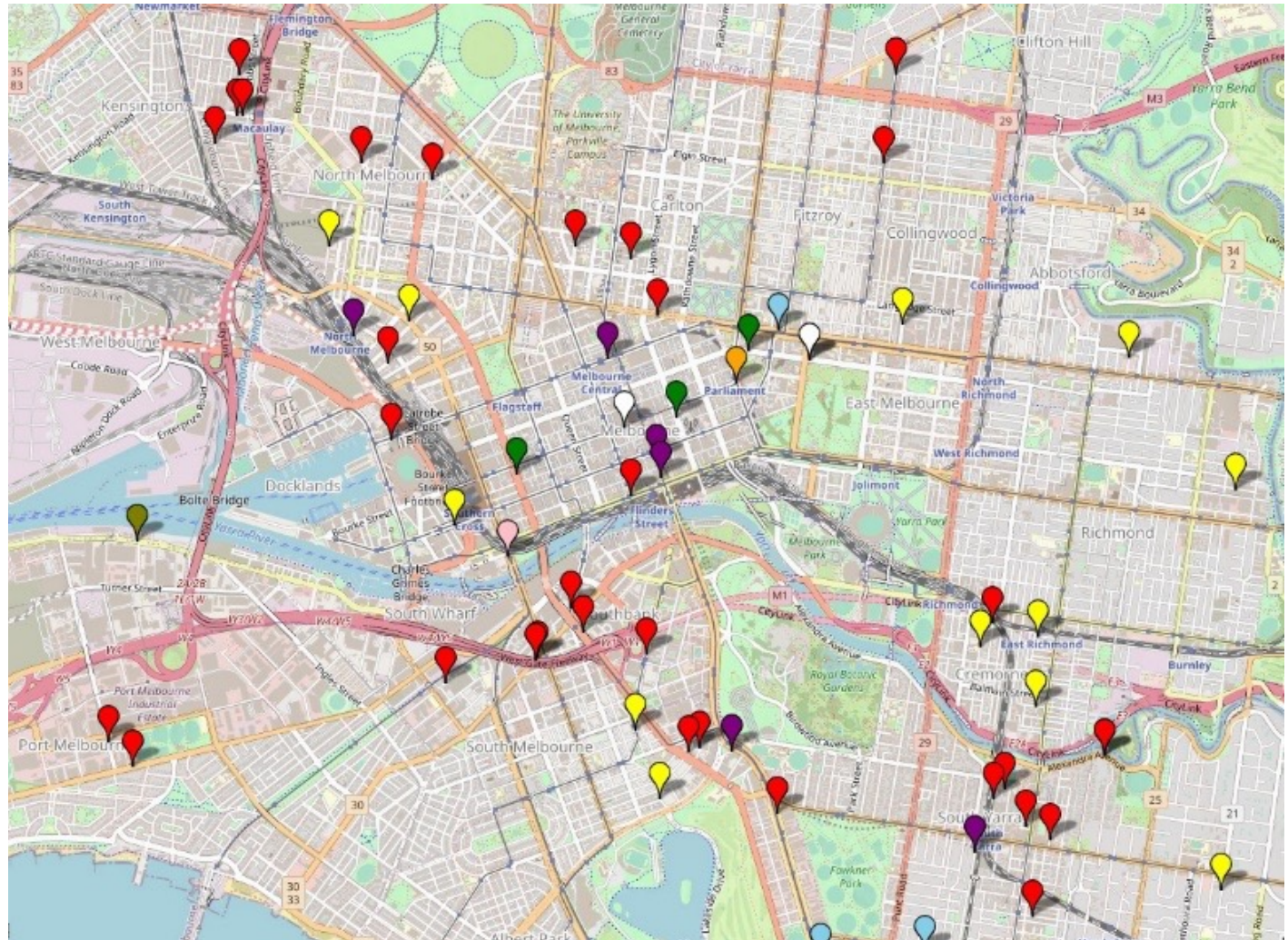
## MELBOURNE

### REGION - CRANE NUMBERS

INNER MELBOURNE	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	-	0	0	0
CIVIC	2	2	2	2
CIVIL	7	7	8	10
COMMERCIAL	21	23	17	16
DATA C. / IND.	1	3	3	1
EDUCATION	5	4	2	1
HEALTH	0	1	2	3
HOTEL	3	4	3	3
MIXED USE	10	9	6	2
RECREATION	0	0	0	0
RESIDENTIAL	42	42	41	47
RETAIL	0	0	0	2
<b>TOTAL</b>	<b>91</b>	<b>95</b>	<b>84</b>	<b>87</b>

Inner Melbourne recorded a small gain of three cranes after a significant fall in the previous six months to Q1 2023. A total of 38 new cranes were added and 35 were removed. Cranes across Melbourne were in almost all sectors with the residential, commercial, and civil sectors all having more than 10 cranes. The sites with the most cranes in inner Melbourne are Seafarers, Melbourne Quarter Tower, Local: Kensington, and 15-85 Gladstone Street, South Melbourne, each with three.

An increase of six cranes saw residential cranes total 47. This result is 43% below the high of 82 residential cranes recorded in Q3 2019. A total of 26 new residential cranes were erected, while 20 cranes were removed.





## MELBOURNE

### REGION – CRANE NUMBERS

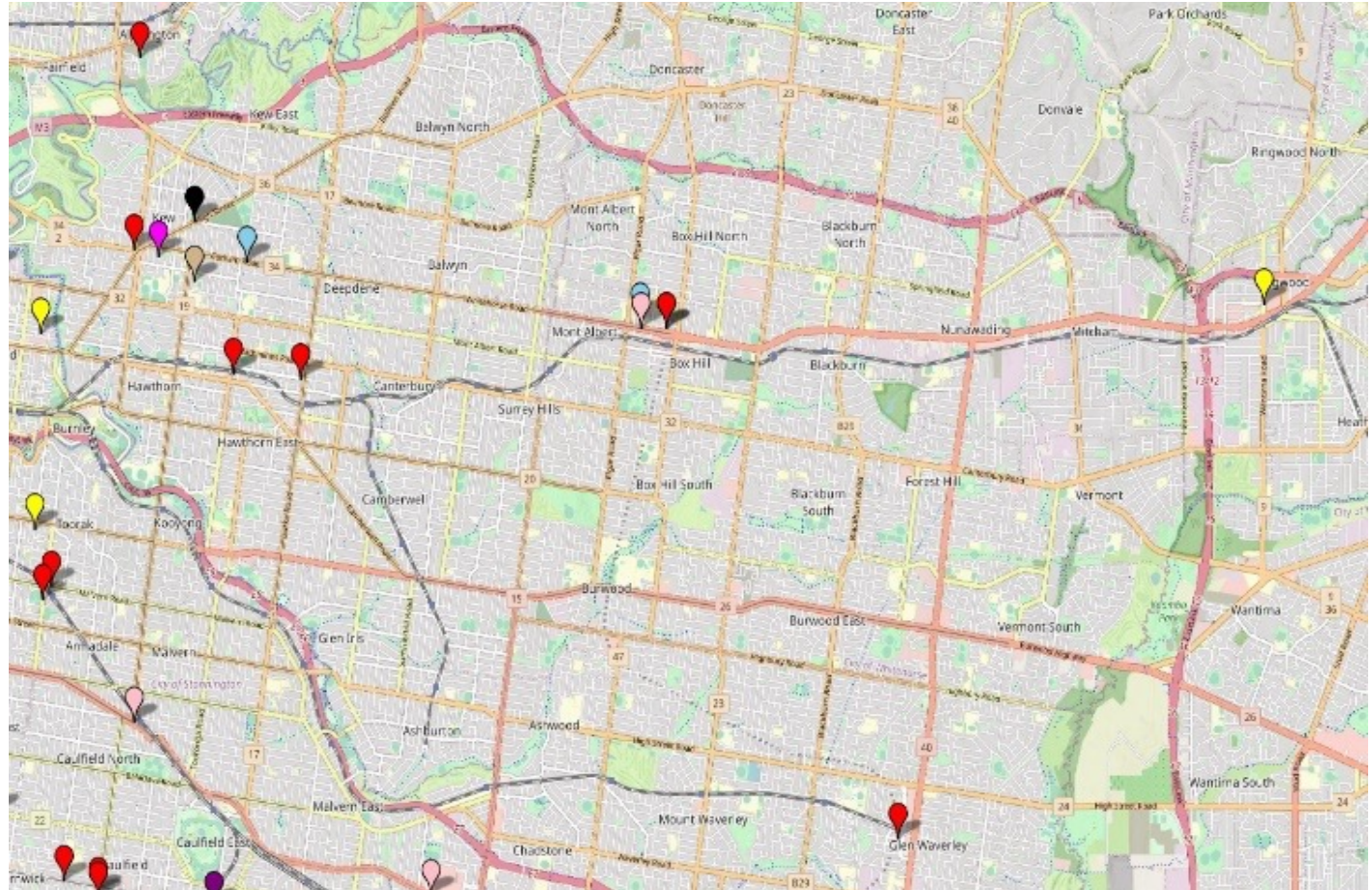
MELBOURNE EAST	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	2	0	1
CIVIC	0	1	1	0
CIVIL	0	0	0	1
COMMERCIAL	0	0	1	1
DATA C. / IND.	0	0	0	0
EDUCATION	0	0	1	1
HEALTH	3	1	1	2
HOTEL	0	0	0	0
MIXED USE	2	2	2	1
RECREATION	1	1	1	1
RESIDENTIAL	18	16	11	7
RETAIL	1	3	0	0
<b>TOTAL</b>	<b>25</b>	<b>26</b>	<b>18</b>	<b>15</b>

The east saw the removal of 10 cranes, and seven new cranes added. Total cranes across the east now total 15. This reflects an overall net loss of three cranes since the last edition of the index.

Projects with cranes in the east include Whitehorse Trio, Wellington Health, and Tempo (Box Hill), Victoria Hill (Camberwell), 10 Newburgh Place (Hawthorn), Ivanhoe Gardens (Heidelberg Heights), Kew Recreation Centre, One Studley Park, Adeney Private Hospital, Kew Gardens Aged Care, and Ruyton Girls' School (Kew), Pakenham Station Works, 21 Ringwood Street, and 6 Mt Dandenong Road (Ringwood).

Single cranes were removed from Fire Station (Ashburton), Whitehorse Trio, and Promenade (Box Hill), Orphic (Croydon), Highpark Seasons (Glen Iris), 12 Coppin Grove (Hawthorn), Xavier College Years 7 & 8 Building (Kew) and Arbour Park (Surrey Hills).

Homes Victoria (Hawthorn) saw two cranes removed.





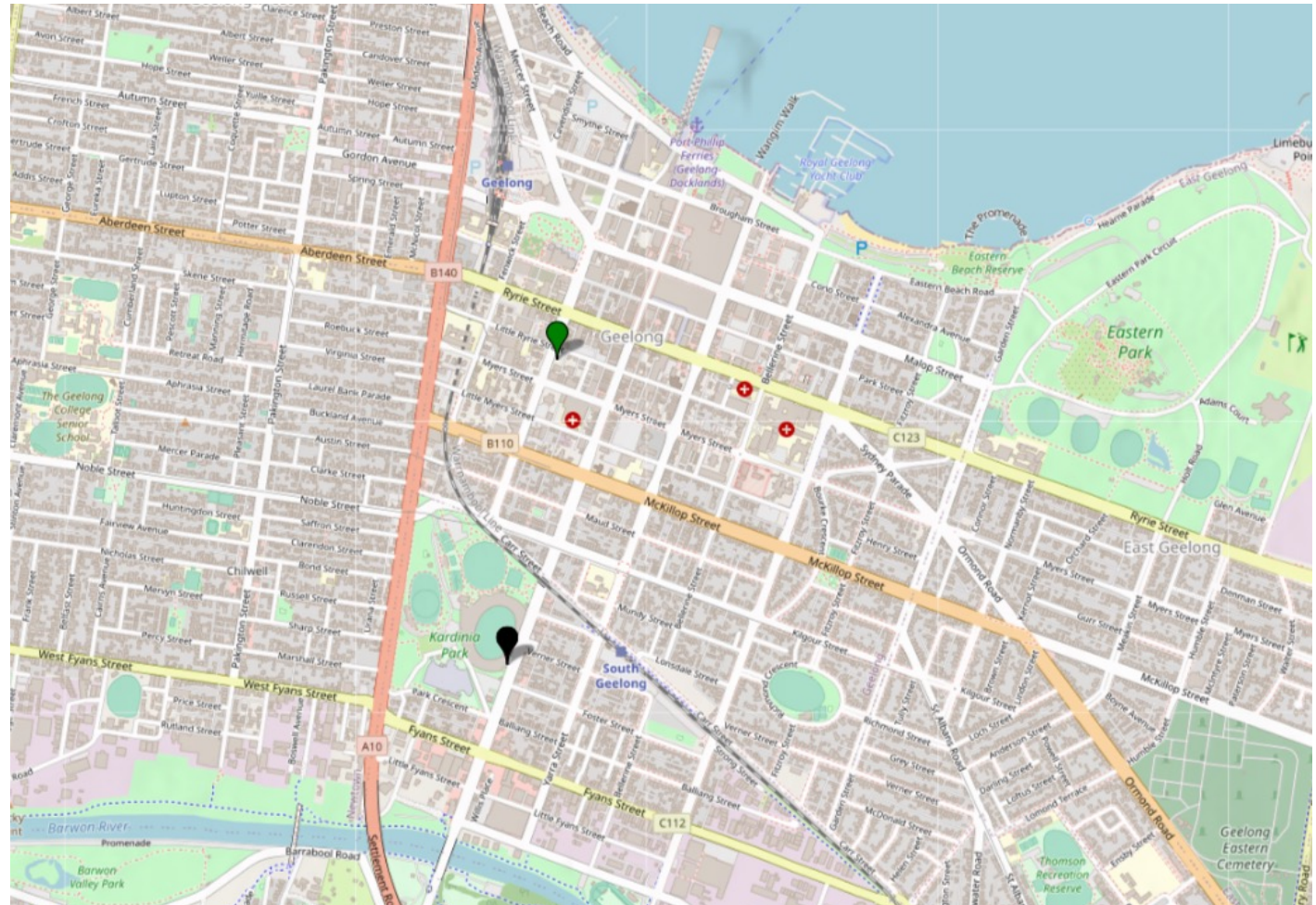
## MELBOURNE

### REGION - CRANE NUMBERS

GEELONG	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	1	1	0	0
CIVIL	0	0	0	0
COMMERCIAL	0	0	0	0
DATA C. / IND.	0	0	0	0
EDUCATION	0	0	0	0
HEALTH	0	0	0	0
HOTEL	1	1	1	0
MIXED USE	0	0	0	0
RECREATION	0	2	2	1
RESIDENTIAL	1	1	0	0
RETAIL	0	0	0	0
<b>TOTAL</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>1</b>

Geelong has recorded a decrease of two cranes, with one crane removed as part of the GMHBA stadium redevelopment and at the Quest Geelong Central site. One crane remains at the stadium.

No new cranes were added to the Geelong region in this edition.





## MELBOURNE

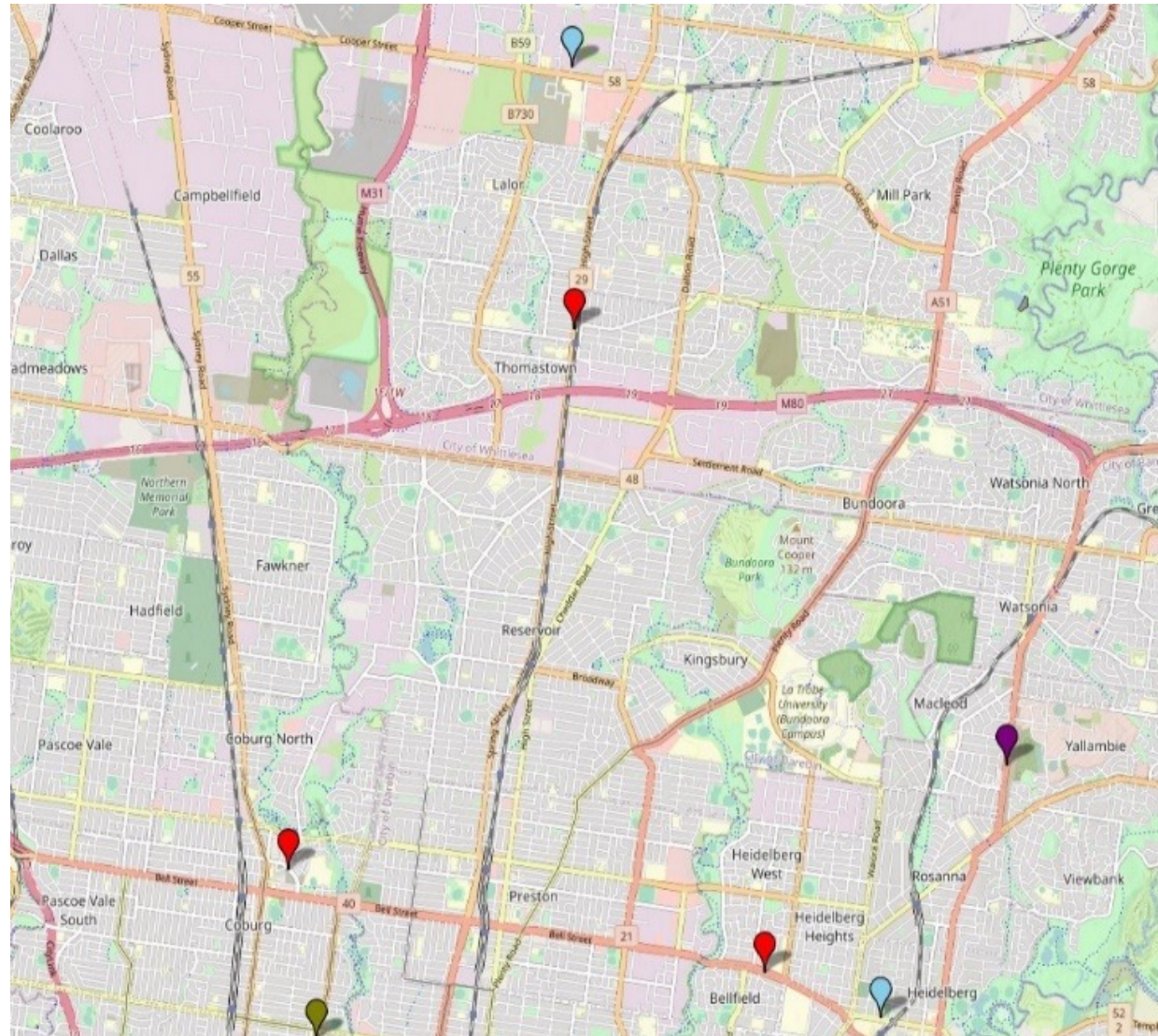
### REGION - CRANE NUMBERS

MELBOURNE NORTH	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	0	0	0	0
CIVIL	2	0	0	1
COMMERCIAL	0	0	0	0
DATA C. / IND.	0	0	1	1
EDUCATION	1	1	1	1
HEALTH	2	1	1	2
HOTEL	1	0	0	0
MIXED USE	5	2	0	0
RECREATION	0	0	0	0
RESIDENTIAL	18	22	22	12
RETAIL	0	0	0	0
<b>TOTAL</b>	<b>29</b>	<b>26</b>	<b>25</b>	<b>17</b>

The north saw a decrease of eight cranes, bringing the total number of cranes across the region to 17. A total of six cranes were added, and 14 removed.

New cranes were added at YarraBend (Alphington), Nine Wilson Ave and 6-8 Wilson Avenue (Brunswick), 8 Fullarton Drive, (Epping), North East Link, (Greensborough), Locale Ivanhoe, Northcote High School and Tomorrow Northcote

Cranes were removed from projects at 838-852 Heidelberg Road (Alphington), Bellfield Social Housing Project (Bellfield), Nightingale Laak, Archer, Themeda, and Canvas Brunswick (Brunswick), Neighbourhood (Brunswick East), Samma Place (Ivanhoe), Oakover, Preston South Primary School, Oak on High, and Due North (Preston), and Homes Victoria (Heidelberg West).





# MELBOURNE

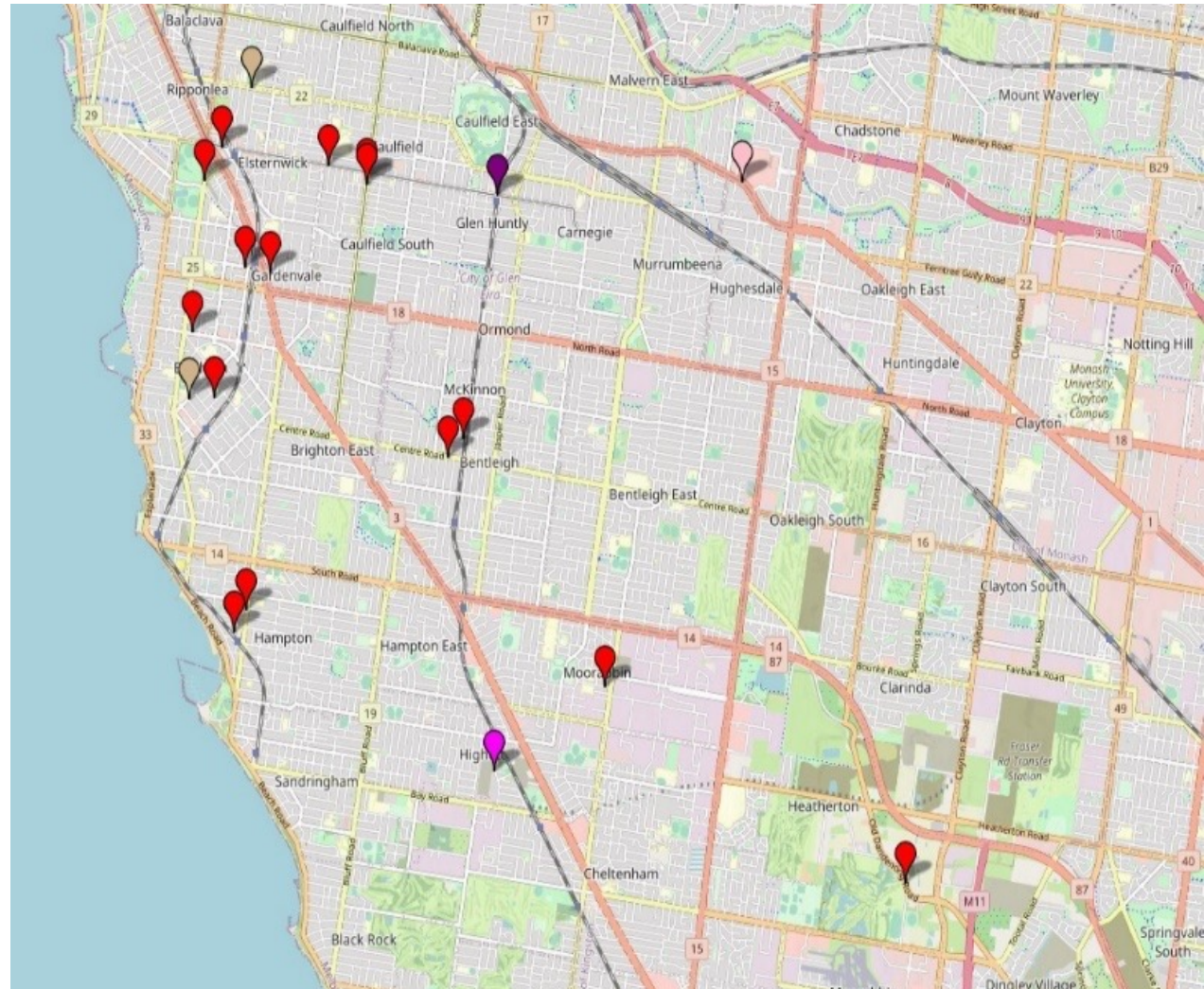
## REGION - CRANE NUMBERS

MELBOURNE SOUTH	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	2	2	2
CIVIC	0	0	0	0
CIVIL	1	0	2	3
COMMERCIAL	1	2	1	1
DATA C. / IND.	0	0	1	0
EDUCATION	1	1	0	1
HEALTH	2	2	0	3
HOTEL	0	0	0	0
MIXED USE	2	2	4	4
RECREATION	0	0	0	0
RESIDENTIAL	13	20	25	22
RETAIL	0	1	0	0
TOTAL	20	30	35	36

Melbourne's southern region saw an increase of one crane. Cranes in the south now number 36, up from 35 in the previous edition of the index.

New cranes were added at: 342-344 Centre Road and 35 Nicholson Street (Bentleigh), Brighton Grammar, Boxshall Street, and 129-135 Martin Street (Brighton), Chadstone Shopping Centre (Chadstone). Three cranes were added at Frankston Hospital (Frankston), two cranes at Glen Huntley Railway line upgrade (Glen Huntly), as well as at 240-242 Old Dandenong Road (Heatherton), Malvern Collective (Malvern), Narre Warren Station Works (Narre Warren), 143 Canterbury Road (Toorak) and Windsor Park (Windsor).

Fifteen cranes were removed from Housing Victoria, 447 Bay Street, Sera Brighton, The Warriston, and Spink Street (Brighton), 1254-1258 Glen Huntly Road (Carnegie), Sea and Sky (Cheltenham), The Huntly (Elsternwick), Horizon Frankston (Frankston), The Arden (Gardenvale), Hampton Quarter (Hampton), Omnia (Moorabbin), 54-58 Dunlop Road (Mulgrave) and Eastbourne Commercial Development (Windsor).





## MELBOURNE

### REGION - CRANE NUMBERS

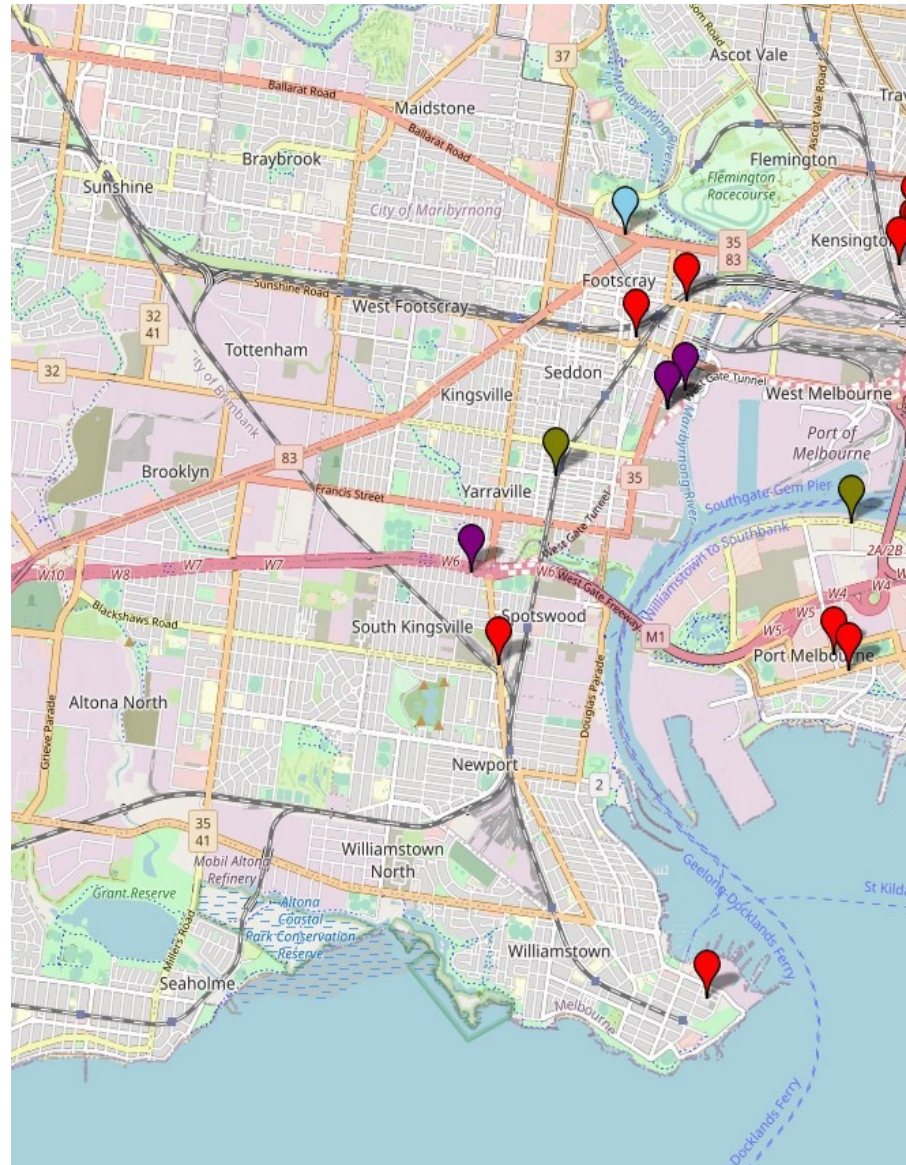
MELBOURNE WEST	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	0	0	0	0
CIVIL	4	5	9	8
COMMERCIAL	0	0	0	0
DATA C. / IND.	0	2	1	1
EDUCATION	0	0	0	0
HEALTH	12	11	10	7
HOTEL	0	0	0	0
MIXED USE	5	3	2	0
RECREATION	0	0	0	0
RESIDENTIAL	3	2	4	6
RETAIL	0	1	0	0
<b>TOTAL</b>	<b>24</b>	<b>24</b>	<b>26</b>	<b>22</b>

Melbourne's west has seen a decrease of four cranes bringing the region's total crane numbers to 22, down from the record high of 26 in the previous index.

Three cranes were removed from Footscray Hospital leaving seven cranes on the project. This remains Melbourne's largest crane site.

Eight new cranes were added at: MEL04 Date Centre (Brooklyn), 7 Wightman Street, Indi Footscray (Footscray), Sewer upgrade Works, Spotswood Yards, and West Gate Tunnel Project (Spotswood), and Nexus Apartments (Thomastown).

Twelve cranes were removed in the west including Footscray Hospital (two cranes), West Gate Tunnel Project (three cranes), Victoria Square (two cranes), and Arco (Footscray), Arches (Maribyrnong), Sunshine Hospital (St Albans), and 339 Palmers Road (Truganina).



## NEWCASTLE

The Newcastle RLB Crane Index® increased from 113 to 188 points representing 15 cranes across the region. This is a lift of six cranes since the last edition of the index. A total of eight new cranes were added and two were removed from sites.

The eight new cranes were added at:

- John Hunter Hospital, New Lambton Heights (Health)
- Silverpoint, Nelson Bay (Residential)
- Maitland Service Apartments (Residential)
- Watervue, Newcastle (Residential)
- Autobiography, Adamstown (Mixed Use / Other)
- Macquarie Tower, Charlestown (Mixed Use / Other)
- Quarter, Mayfield (Residential)
- Axis on Dudley, Charlestown (Residential)

Cranes were removed from:

- St Philip's Christian College, Waratah (Education)
- The Star, Adamstown (Residential)

### CRANE ACTIVITY - NEWCASTLE

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	1	11.1%	0	0	0	1	6.7%
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%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	1	11.1%	0	-1	-1	0	0.0%
HEALTH	1	11.1%	1	0	1	2	13.3%
HOTEL	1	11.1%	0	0	0	1	6.7%
MIXED USE	0	0.0%	2	0	2	2	13.3%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	5	55.6%	5	-1	4	9	60.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
<b>TOTAL</b>	<b>9</b>	<b>100.0%</b>	<b>8</b>	<b>-2</b>	<b>6</b>	<b>15</b>	<b>100.0%</b>

### KEY SECTORS

AGED CARE	↑
EDUCATION	↓
HEALTH	↑
HOTEL	↑
MIXED USE	↑
RESIDENTIAL	↑

### OVERALL STATUS

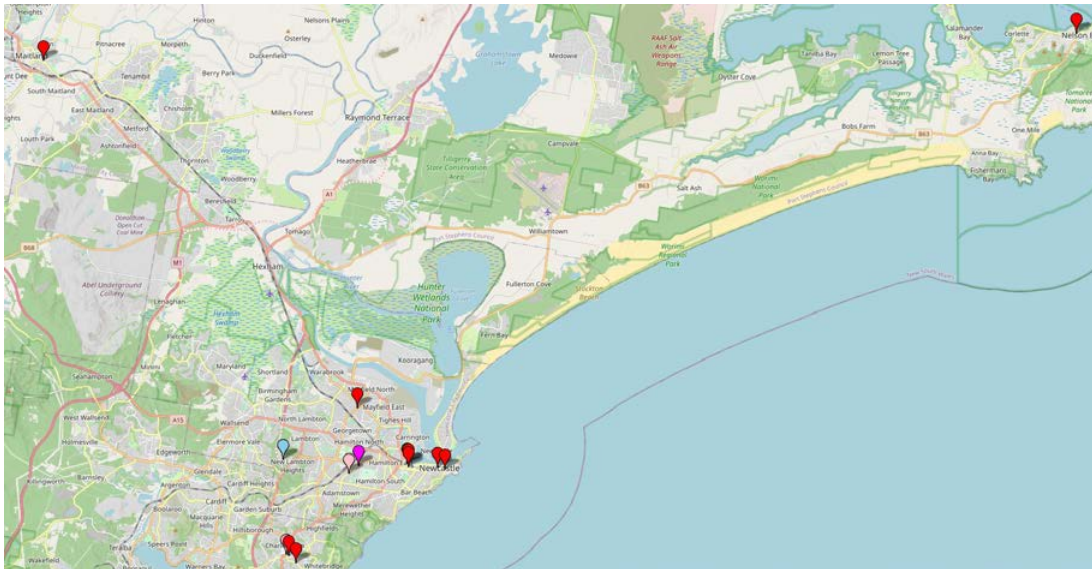
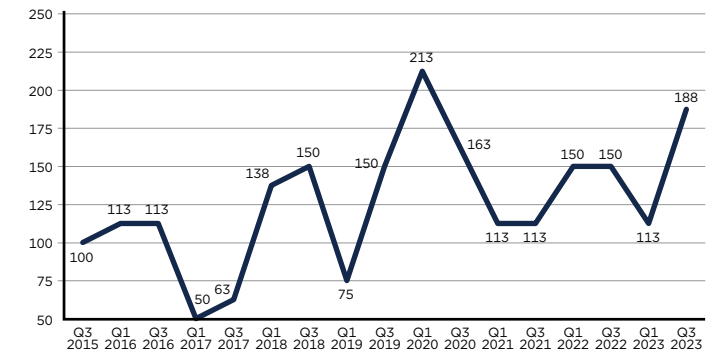


### LEGEND



### RLB CRANE INDEX® - NEWCASTLE

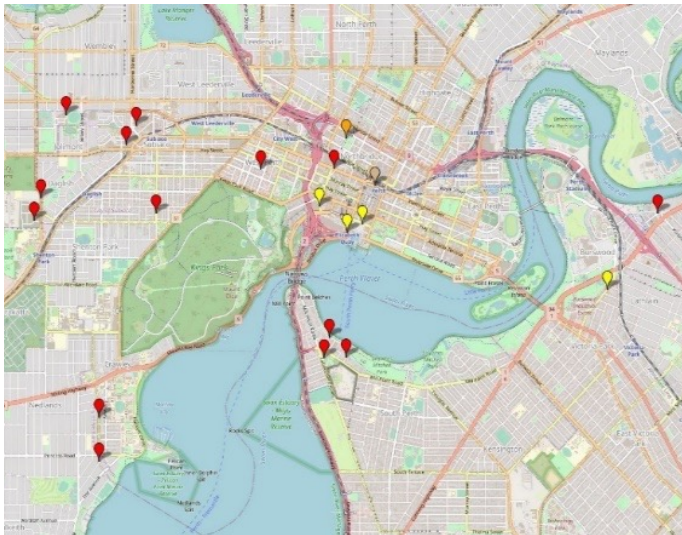
BASE: Q3 2015 = 100



## PERTH

Perth's RLB Crane Index® fell from 119 to 116 index points. The index represents a total of 50 cranes across the city, slightly down from the 51 cranes reported previously. A total of 15 cranes were added to developments, offset by 16 removals.

Western Australia's residential sector saw a 0.6% increase in the preliminary value of work done in FY 2023 compared to the previous year. The apartment sector increased by 13.5%, while houses experienced a small 0.8% decrease. The non-residential sector experienced significant growth, with \$4.6B worth of work done, an increase of 10.6% over the \$4.2B recorded in FY 2022. Preliminary engineering activity rose by 11.3% for the year. Overall, preliminary activity rose by 9.1% for the financial year representing a rise of \$2.5B.



### CRANE ACTIVITY – PERTH

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	1	2.0%	1	-1	0	1	2.0%
CIVIC	1	2.0%	1	-1	0	1	2.0%
CIVIL	1	2.0%	0	-1	-1	0	0.0%
COMMERCIAL	4	7.8%	1	0	1	5	10.0%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	1	2.0%	5	-1	4	5	10.0%
HEALTH	3	5.9%	0	-3	-3	0	0.0%
HOTEL	0	0.0%	0	0	0	0	0.0%
MIXED USE	1	2.0%	0	-1	-1	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	39	76.5%	7	-8	-1	38	76.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
<b>TOTAL</b>	<b>51</b>	<b>100.0%</b>	<b>15</b>	<b>-16</b>	<b>-1</b>	<b>50</b>	<b>100.0%</b>

### KEY SECTORS

AGED CARE	↑
CIVIC	↑
CIVIL	↑
COMMERCIAL	↑
EDUCATION	↑
HEALTH	↑
MIXED USE	↑
RESIDENTIAL	↑

### OVERALL STATUS

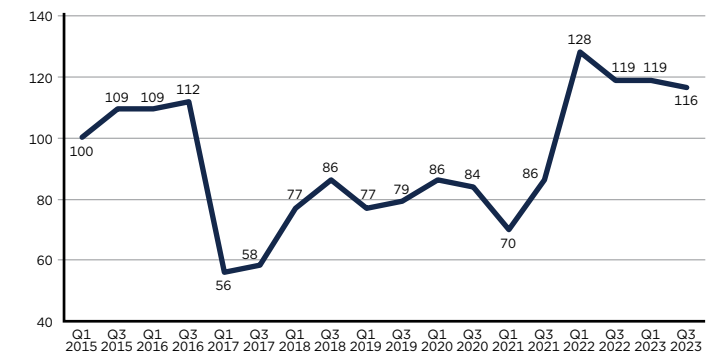


### LEGEND



### RLB CRANE INDEX® – PERTH

BASE: Q1 2015 = 100





## PERTH

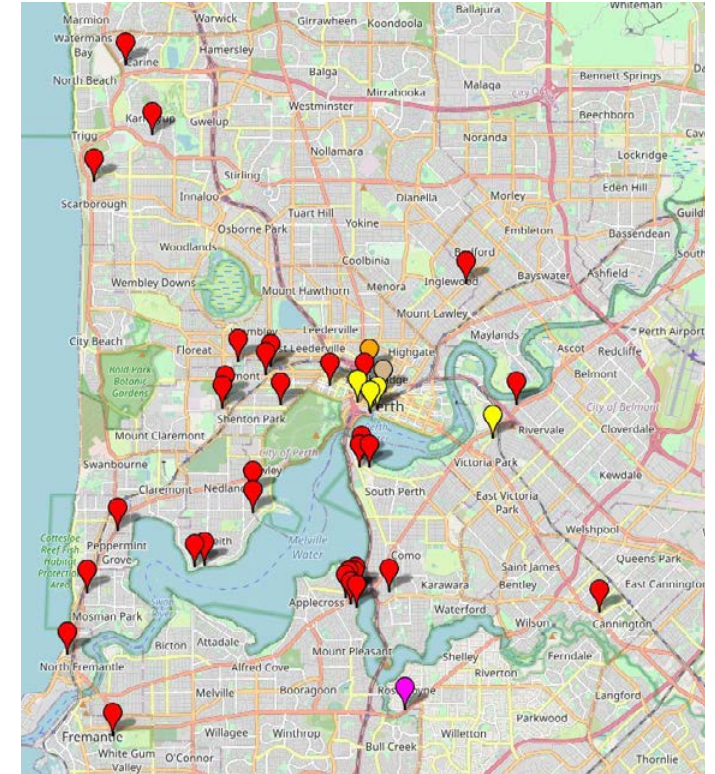
The residential sector continues to dominate in Perth, accounting for more than 76% of all cranes.

Cranes were added at the following projects:

- 1 Richard Street, South Perth (Residential)
- Cirque Duet, Mount Pleasant (Residential)
- ECU Perth Campus, Perth (Education)
- Freeman Residences, Leighton Beach (Residential)
- Helm Apartments, Mount Pleasant (Residential)
- Nine the Esplanade, Perth (Commercial)
- 5 Orchard Terrace, Subiaco (Residential)
- Rossmoyne Waters Adventist Aged Care, Rossmoyne (Aged Care)
- Ruah Centre for Women and Children, Northbridge (Civic)
- Sky Homes, Inglewood (Residential)
- South Metropolitan TAFE, Armadale (Education)
- St Ives Stage 2, Carine (Residential)

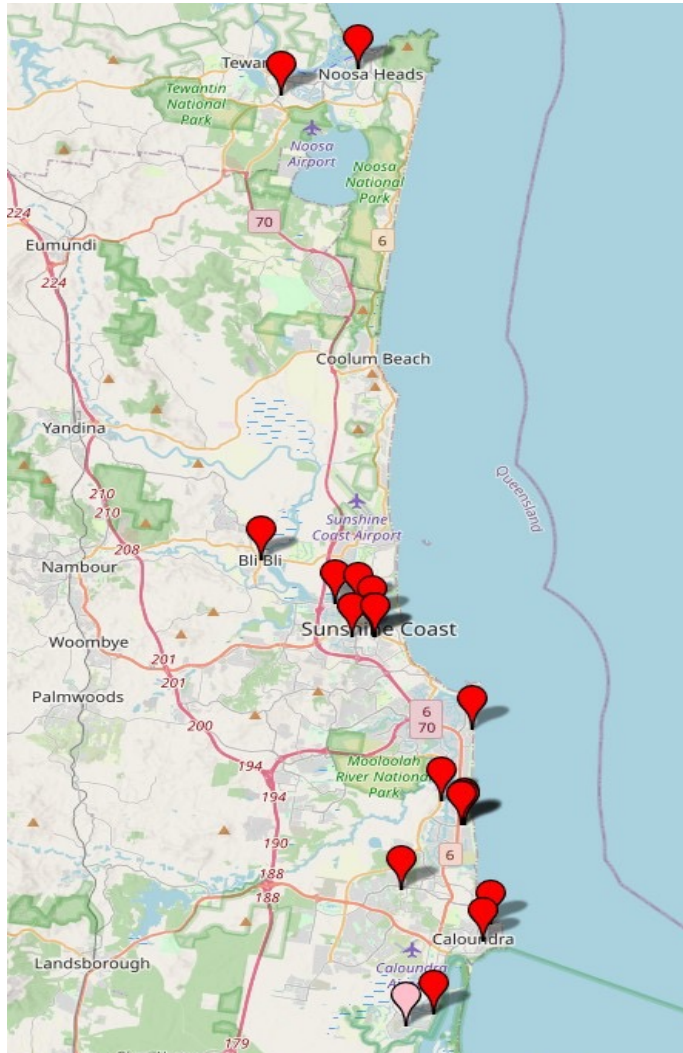
Cranes were removed from the following projects:

- 12-18 Labouchere Rd, South Perth (Residential)
- Coast Residences Scarborough, Scarborough (Residential)
- East Rockingham, Rockingham (Civil)
- Federation Homes, Mount Lawley (Residential)
- Health and Knowledge Precinct, Murdoch (Education)
- Joondalup Health Campus Expansion (Health)
- Mixed Use Development, Scarborough (Mixed Use / Other)
- PTOCC, East Perth (Civic)
- Sanctuary – Developwise, Mount Pleasant (Residential)
- Shenton Quarter, Shenton Park (Residential)
- South Scape, South Perth (Residential)
- St John of God Murdoch Hospital (Health)
- St John of God Redevelopment, Subiaco (Health)
- The Brixton, Victoria Park (Residential)
- Wearne Cottesloe Stage 2, (Aged Care)



## SUNSHINE COAST

The Sunshine Coast RLB Crane Index® increased to a record 220 index points, a significant growth on the 160 index points recorded 12 months ago. The region saw the removal of six cranes, and the addition of eight cranes, to record a total of 22 cranes.



The residential sector remains the dominant sector, with 21 of the 22 cranes recorded. New cranes were erected as part of the following residential projects:

- Oasis, Bokarina
- Lowana, Buddina
- The Beach Front, Buddina
- Cabana, Maroochydore
- Nature, Maroochydore
- Serenityz, Maroochydore
- Honu, Moffat Beach
- Tallow, Noosa

### CRANE ACTIVITY - SUNSHINE COAST

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	2	11.8%	0	-2	-2	0	0.0%
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%
DATA CENTRES	0	0.0%	0	0	0	0	0.0%
EDUCATION	1	5.9%	0	-1	-1	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	11.8%	0	-1	-1	1	4.5%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	15	88.2%	8	-2	6	21	95.5%
RETAIL	0	0.0%	0	0	0	0	0.0%
<b>TOTAL</b>	<b>20</b>	<b>117.6%</b>	<b>8</b>	<b>-6</b>	<b>2</b>	<b>22</b>	<b>100.0%</b>

### KEY SECTORS

AGED CARE	↓
EDUCATION	↓
MIXED USE	↓
RESIDENTIAL	↓

### OVERALL STATUS

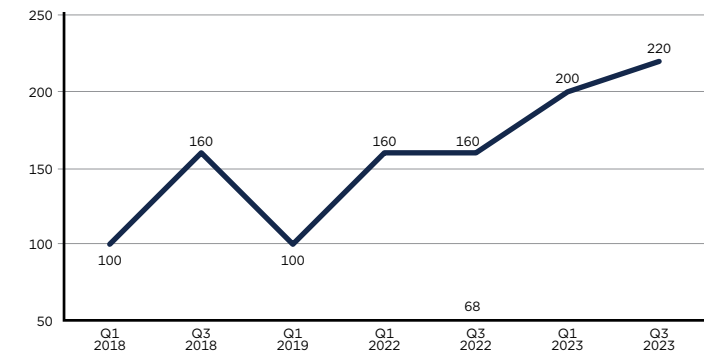


### LEGEND

↑	INCREASE IN NUMBER OF CRANES	↓	DECREASE IN NUMBER OF CRANES	⏏	CRANE NUMBERS STEADY
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### RLB CRANE INDEX® - SUNSHINE COAST

BASE: Q1 2018 = 100

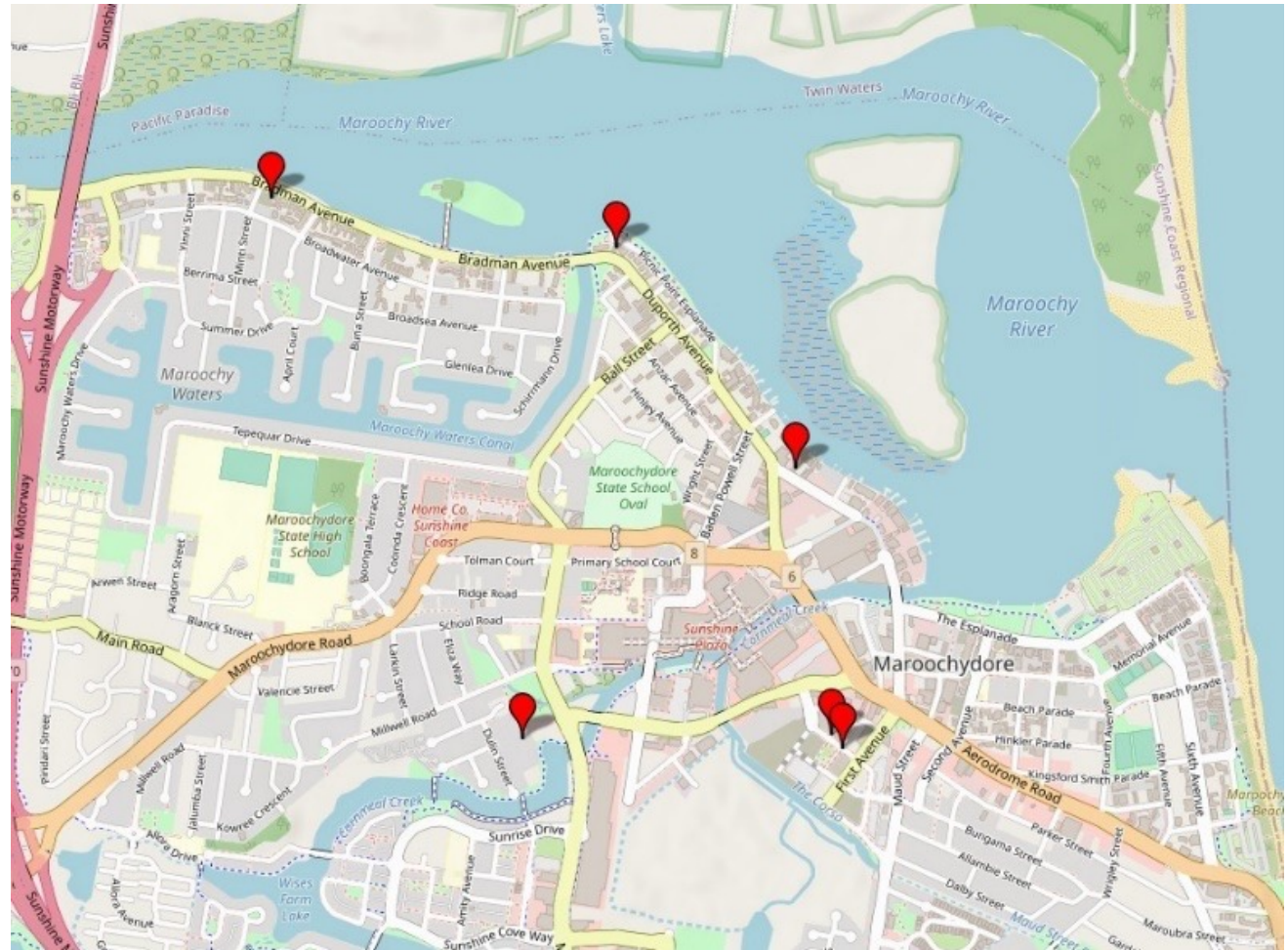




## SUNSHINE COAST

Cranes were removed from:

- Thompson Institute, Birtinya (Education)
- The Tavern, Bli Bli (Mixed Use / Other)
- Churches of Christ Aged Care, Little Mountain (Aged Care)
- Eclipse Picnic Point, Maroochydore (Residential)
- The Whitely, Noosa (Residential)
- Rockpool Aged Care, Pelican Waters (Aged Care)





## SYDNEY

Sydney's RLB Crane Index® has surged over the past six months, recording a new peak of 248, up more than 10%. The index now represents 401 cranes across Sydney. Over the past six months, a total of 87 cranes were removed, while 123 new cranes were erected. The non-residential sector saw a significant increase in crane numbers, particularly compared to the low of 41 cranes in Q1 2017. There are currently 140 cranes on non-residential projects across the region, the highest recorded.

New South Wales' preliminary construction activity rose by \$5.1B, or 8.1%, for the FY 2023. The residential sector saw an increase in the preliminary value of work done of 1.1% in FY 2023 compared to the previous year. The apartment sector increased by 10.1%, against a 4.2% decrease in house activity. The non-residential sector saw a decline of 0.7% with \$15.6B worth of work done, compared to \$15.8B recorded in FY 2022. Preliminary engineering activity rose by 20.1% for the year.

The residential sector saw 59 cranes removed, and 75 new cranes erected, for a net increase of 16 cranes. This brings the overall number of cranes in the sector to 261 cranes. The highest number of residential cranes recorded was 289 in Q3 2017. The current result is in line with the growth in apartment work for FY 2023. The residential sector's crane numbers have surged over the past six months from 245 to 261 currently, a rise of 6%.

The total number of cranes across Sydney are at record levels, including in the aged-care, civic, and mixed-use sectors.

### CRANE ACTIVITY – SYDNEY

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	6	1.6%	0	-1	-1	5	1.2%
CIVIC	16	4.4%	5	-1	4	20	5.0%
CIVIL	11	3.0%	4	-1	3	14	3.5%
COMMERCIAL	24	6.6%	6	-6	0	24	6.0%
DATA CENTRES	9	2.5%	3	-3	0	9	2.2%
EDUCATION	9	2.5%	5	-5	0	9	2.2%
HEALTH	4	1.1%	6	-2	4	8	2.0%
HOTEL	3	0.8%	0	-1	-1	2	0.5%
MIXED USE	34	9.3%	19	-8	11	45	11.2%
RECREATION	1	0.3%	0	0	0	1	0.2%
RESIDENTIAL	245	67.1%	75	-59	16	261	65.1%
RETAIL	3	0.8%	0	0	0	3	0.7%
<b>TOTAL</b>	<b>365</b>	<b>100.0%</b>	<b>123</b>	<b>-87</b>	<b>36</b>	<b>401</b>	<b>100.0%</b>

### KEY SECTORS

AGED CARE	
CIVIC	
CIVIL	
COMMERCIAL	
DATA CENTRE / INDUSTRIAL	
EDUCATION	
HEALTH	
HOTEL	
MIXED USE	
RECREATION	
RESIDENTIAL	
RETAIL	

### OVERALL STATUS

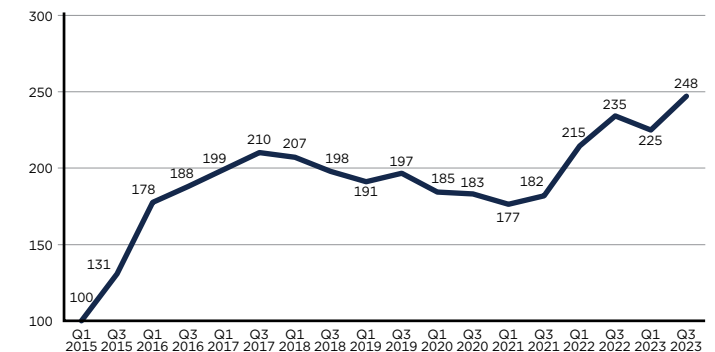


### LEGEND



### RLB CRANE INDEX® – SYDNEY

BASE: Q1 2015 = 100



## SYDNEY

### CRANE ACTIVITY – SYDNEY REGIONS

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
CBD & SURROUNDS	89	24.4%	25	-24	1	90	22.4%
EAST	29	7.9%	20	-5	15	44	11.0%
NORTH	101	27.7%	31	-37	-6	95	23.7%
SOUTH	66	18.1%	8	-10	-2	64	16.0%
WEST	80	21.9%	39	-11	28	108	26.9%
<b>TOTAL</b>	<b>365</b>	<b>100.0%</b>	<b>123</b>	<b>-87</b>	<b>36</b>	<b>401</b>	<b>100.0%</b>

The projects with the largest number of cranes in Sydney include: One Sydney Harbour (six cranes at Barangaroo), Westconnex (five cranes at Rockdale), Western Sydney Airport (four cranes at Badgerys Creek), Mason & Main Merrylands (four cranes), and Viciniti & Destination (four cranes at Macquarie Park).

Within Sydney, the west and east regions have both recorded the highest number of cranes since Q1 2016, when region allocations commenced. In the past six months the west has seen a jump of 28 cranes or 35%, while the east has risen by 15 cranes or 52%. These results were influenced by record residential cranes in both regions, as well as a large increase in mixed-use cranes in the west.

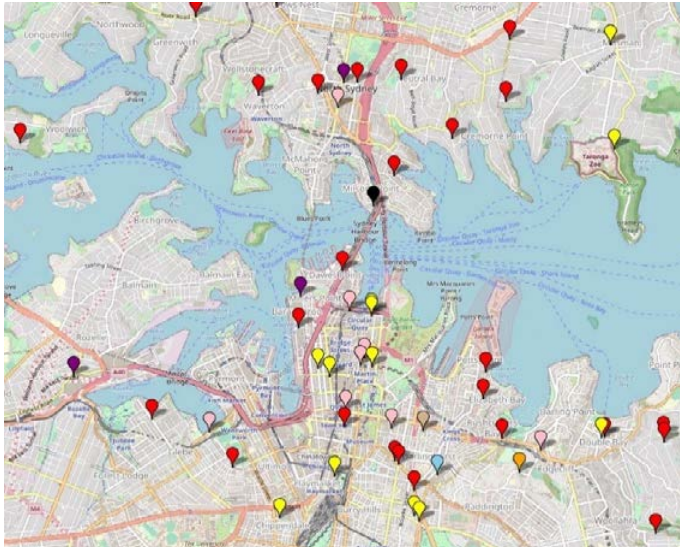
With 108 cranes, the west currently has 18 more cranes than inner Sydney (which has 90 cranes). The only other edition in which the west had more cranes than inner Sydney was in Q3 2018, when the west had one more crane. This continues the trend of cranes shifting from the inner suburbs to the mid and outer suburbs as identified in the Q1 2023 index.

Across Sydney's five main regions, strong gains have been seen in the east and west, with small movements in the other three regions. Crane numbers in the north, which previously had the largest proportion of cranes in Sydney, fell by six to 95 active cranes. The west has seen a rise of crane activity with a total of 108 cranes, or 27% of all Sydney cranes. This is the first time that the west has had the greatest number of cranes across the city.

## SYDNEY

### REGION – CRANE NUMBERS

INNER SYDNEY	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	-	0	0	0
CIVIC	4	3	3	5
CIVIL	2	3	3	2
COMMERCIAL	7	10	10	10
DATA C. / IND.	-	2	2	2
EDUCATION	1	1	1	1
HEALTH	0	0	0	1
HOTEL	3	3	2	1
MIXED USE	16	15	19	20
RECREATION	4	1	1	1
RESIDENTIAL	57	60	47	46
RETAIL	1	0	1	1
<b>TOTAL</b>	<b>95</b>	<b>98</b>	<b>89</b>	<b>90</b>



Inner Sydney (CBD and surrounds) saw the addition of 25 cranes, against the removal of 24 cranes. This brings the total number of cranes to 90 cranes.

New cranes that have been mobilised in inner Sydney include:

#### Civic

- 351-353 Glenmore Road, Paddington
- Catholic Church, Rosebery

#### Data Centres

- SY5 Data Centre, Alexandria

#### Education

- Sceggs Centenary Sports Hall, Darlinghurst

#### Health

- St Vincents Private Hospital, Darlinghurst

#### Mixed Use / Other

- 215-217 Parramatta Road, Haberfield
- 20 Bridge Street, Lidcombe
- 265 Illawarra Road, Marrickville
- 439 Illawarra Road, Marrickville
- One Circular Quay, Sydney
- 499 Botany Road, Zetland

#### Residential

- Alex Collective, Alexandria
- 42 Park Road, Auburn
- 68-70 Oxford Street, Darlinghurst
- 82A Oxford Street, Darlinghurst
- Hill Street, Dulwich hill
- 17-31 Cowper Street, Glebe
- 18 Marlborough Road, Homebush West
- Frog Lane, Lidcombe
- 387 Illawarra Road, Marrickville
- 180 Church Street, Newtown
- 3 Regent Street, Petersham
- 12-22 Rothschild Ave, Rosebery
- 4 Mintaro Avenue, Strathfield

Sites that have had multiple cranes removed since the last edition include:

- New Sydney Fish Markets, Glebe
- Martin Place Station - North Site, Sydney

Twenty other cranes were removed from sites in Alexandria, Ashfield, Auburn, Burwood, Chiswick, Darlington, Dulwich Hill, Five Dock, Homebush, Leichhardt, Lidcombe, Marrickville, Pyrmont, Rozelle, Surry Hills, Sydney and Zetland.



## SYDNEY

### REGION – CRANE NUMBERS

SYDNEY EAST	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	0	0	0
CIVIC	0	1	1	1
CIVIL	0	0	0	1
COMMERCIAL	3	3	2	3
DATA C. / IND.	0	0	0	0
EDUCATION	2	1	1	0
HEALTH	0	0	0	2
HOTEL	1	1	0	0
MIXED USE	0	0	1	2
RECREATION	0	0	0	0
RESIDENTIAL	28	27	24	35
RETAIL	0	0	0	0
<b>TOTAL</b>	<b>34</b>	<b>33</b>	<b>29</b>	<b>44</b>

Crane numbers in Sydney's east rose to a record 44, the highest number of cranes since the start of the regional counts within Sydney. The previous high of 34 cranes was recorded in Q1 2022.

Twenty new cranes were raised in the east and just five were removed from sites. Residential sites account for almost 80% of cranes in the east.

New cranes were placed at:

#### Civil

- Sydney Gateway, Botany

#### Commercial

- 51-11 Hollywood Avenue, Bondi Junction
- 55 Bay Street, Double Bay

#### Health

- 50 High Street, Randwick

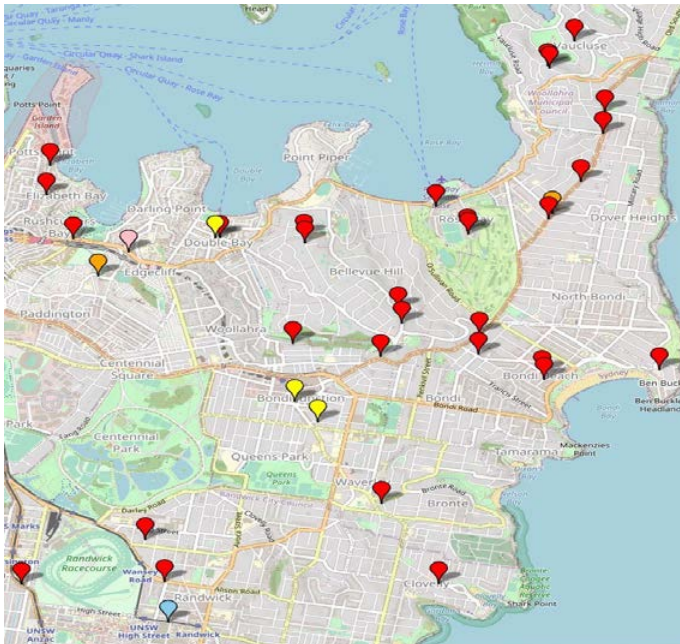
#### Mixed Use

- 90 New South Head Road, Darling Point

#### Residential

- 268 Old South Head Road, Bellevue Hill
- 74 Kambala Road, Bellevue Hill
- Dwell Bondi, Bondi Beach
- 166 Mount Street, Coogee
- Encore 1789, Double Bay
- Tingwell Boulevard, Eastgardens
- 187 Anzac Parade, Kensington
- 117 Alison Road, Randwick
- 21-21A Mulwarree Avenue, Randwick
- 581 Old South Head Road, Rose Bay
- 673 New South Head Road, Rose Bay
- 12 Wentworth Road, Vaucluse
- 37 Edward Street, Woollahra

Cranes were removed from sites in Bellevue Hill, Coogee, Mascot, Point Piper and Waverley.



## SYDNEY

### REGION – CRANE NUMBERS

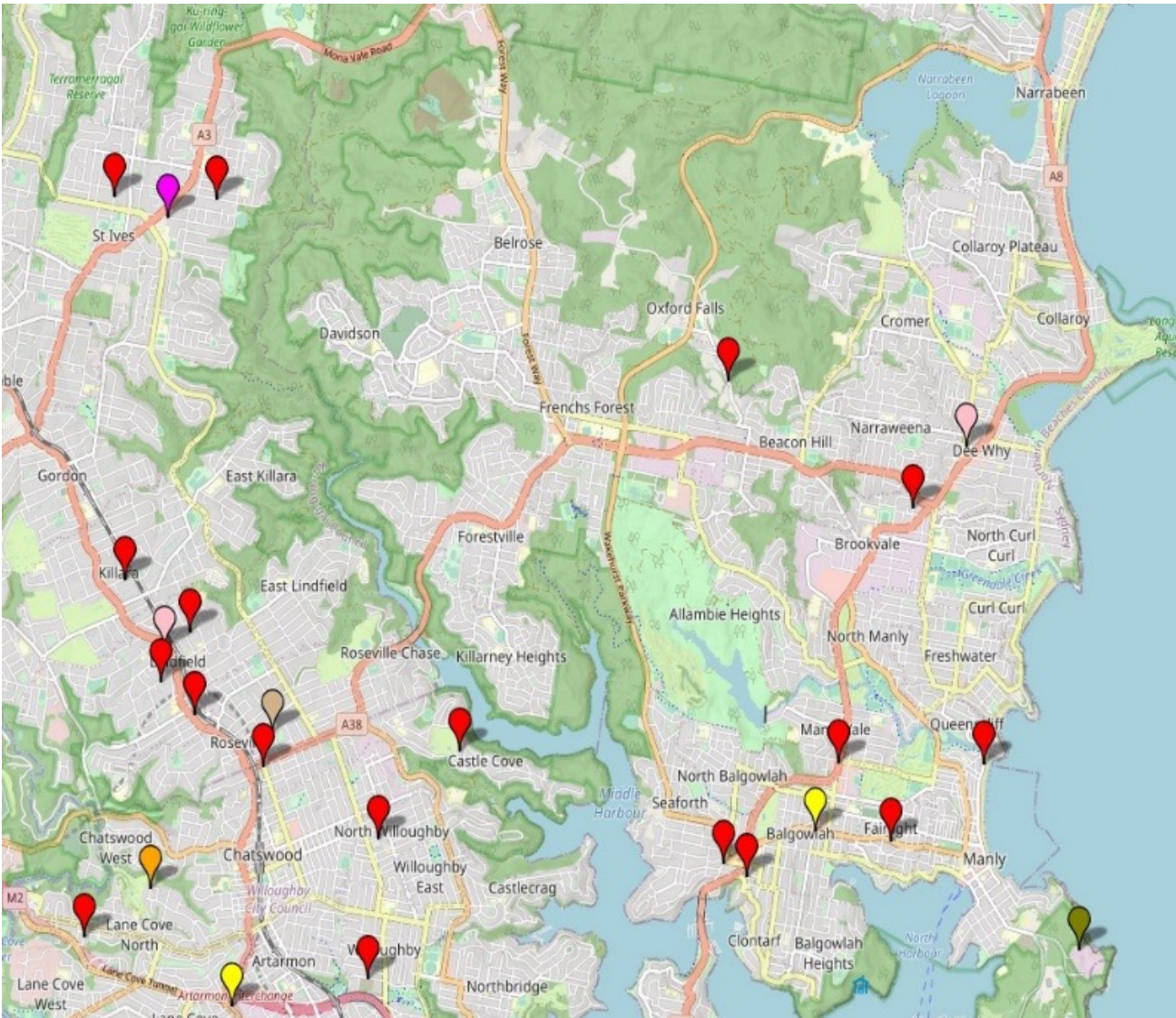
SYDNEY NORTH	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	0	2	2	1
CIVIC	0	0	0	2
CIVIL	3	4	3	3
COMMERCIAL	8	7	7	6
DATA C. / IND.	0	8	3	1
EDUCATION	4	6	4	2
HEALTH	2	1	0	0
HOTEL	0	0	0	0
MIXED USE	8	4	4	6
RECREATION	1	0	0	0
RESIDENTIAL	74	77	78	74
RETAIL	1	1	0	0
TOTAL	101	110	101	95

Sydney’s northern suburbs recorded a net decrease of another six cranes, bringing the total number of cranes in the north to 95. A total of 37 cranes were added and 31 cranes were removed.

Interestingly, two sites in Macquarie Park had the greatest number of crane removals with three each at M-Park Building A Development (commercial) and Midtown Macpark (residential). Of the 37 crane removals, 26 were residential cranes and four were within the commercial sector. The Viciniti & Destination project at 112-118 Talavera Road in Macquarie Park is the largest crane carrying site in the north with four.

Twenty two new residential cranes were erected in the past six months together with three commercial and three mixed use cranes.

Cranes continue to be centred on the main arterial corridors and can be found in 47 suburbs.





## SYDNEY

### REGION – CRANE NUMBERS

SYDNEY SOUTH	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	-	2	2	2
CIVIC	0	1	1	1
CIVIL	0	0	5	8
COMMERCIAL	4	5	4	3
DATA C. / IND.	0	2	3	3
EDUCATION	0	0	0	0
HEALTH	2	0	1	0
HOTEL	0	0	0	0
MIXED USE	5	5	4	3
RECREATION	0	0	0	0
RESIDENTIAL	35	40	46	44
RETAIL	0	0	0	0
<b>TOTAL</b>	<b>46</b>	<b>55</b>	<b>66</b>	<b>64</b>

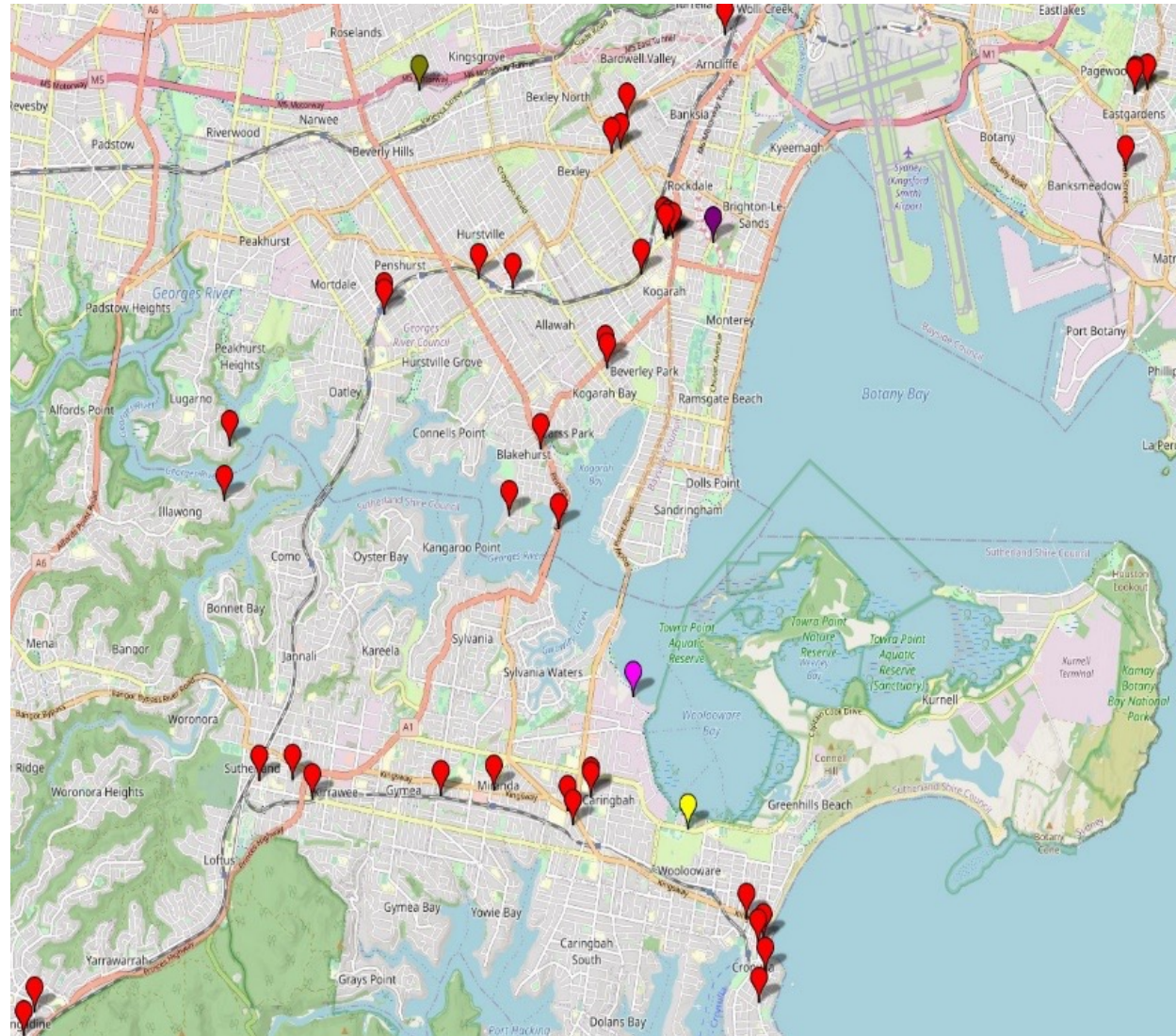
Sydney's southern region continues to maintain its level of cranes. Over the past six months, eight cranes were added and 10 removed from projects. A total of 64 cranes are now spread across the region.

The south's largest projects by crane counts are part of the following:

- Westconnex, Rockdale (five cranes)
- Sydney Gateway, Tempe (three cranes)
- Sharks Redevelopment, Woollooware (two cranes)
- Surry Hill Village, Redfern (two cranes)
- 13 Gibbons Street, Redfern (two cranes)

Cranes were added in the suburbs of Bexley, Caringbar, Cronulla, Oran Park and Sutherland.

Cranes were removed in the suburbs of Campbelltown, Carlton, Cronulla, Kyle Bay, Redfern, Rockdale, Sans Souci, Wolli Creek and Woollooware.





## SYDNEY

### REGION – CRANE NUMBERS

SYDNEY WEST	Q1 2022	Q3 2022	Q1 2023	Q3 2023
AGED CARE	-	1	1	2
CIVIC	3	8	11	11
CIVIL	0	0	0	0
COMMERCIAL	10	5	1	2
DATA C. / IND.	0	4	1	3
EDUCATION	0	0	3	6
HEALTH	3	2	3	5
HOTEL	1	1	1	1
MIXED USE	6	6	6	14
RECREATION	0	0	0	0
RESIDENTIAL	48	55	51	62
RETAIL	1	2	2	2
<b>TOTAL</b>	<b>72</b>	<b>84</b>	<b>80</b>	<b>108</b>

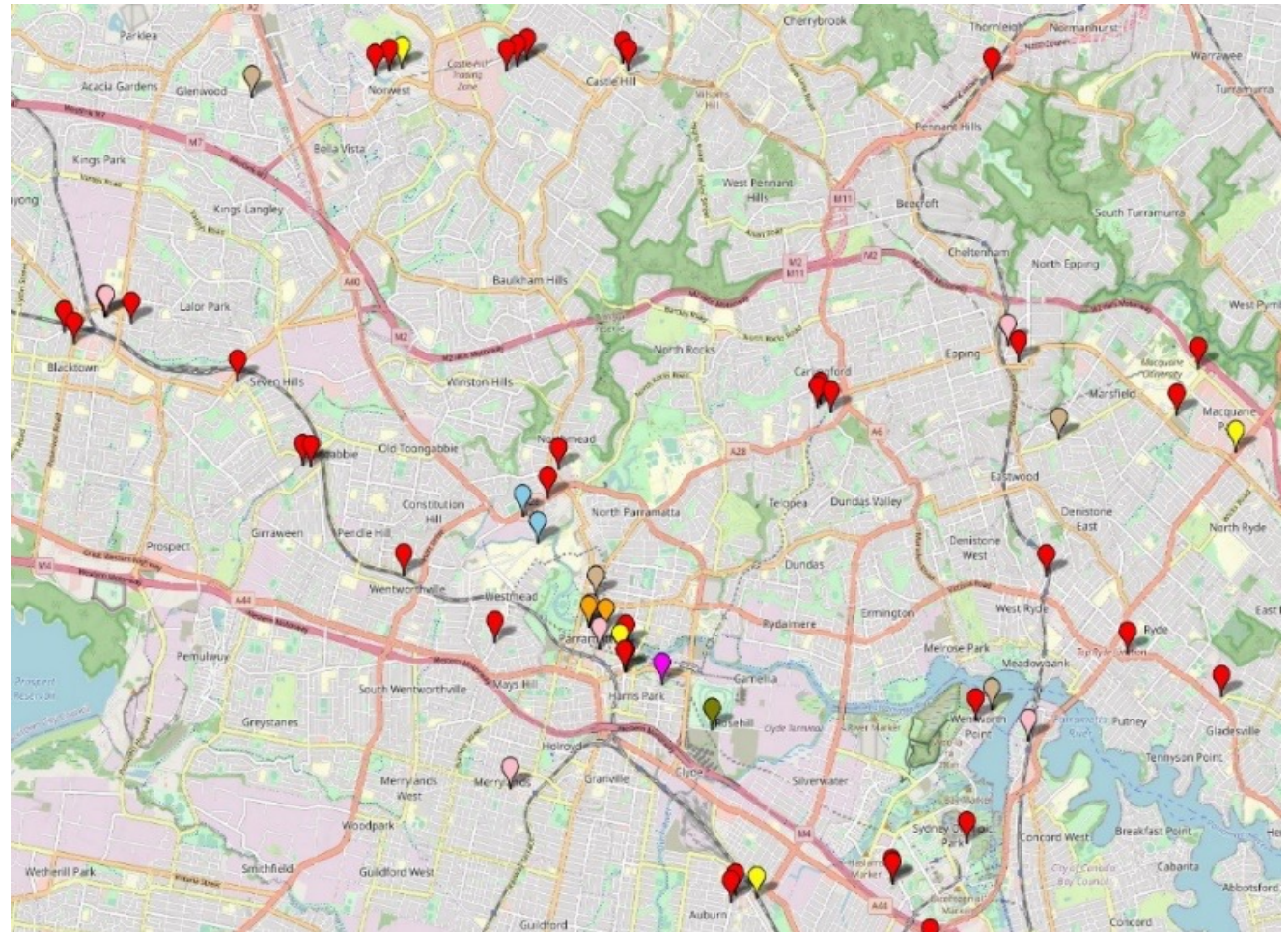
Sydney's west has seen a total of 39 new cranes, and 11 removals. This brings the region's total number of cranes to a record level of 108 across 41 suburbs.

The current number of cranes in the west is 28 (35%) higher than the previous count six months ago.

Of the 39 new cranes, 21 are residential, eight are mixed use, three are in both the health and education sectors.

The sites with the largest numbers of cranes are Western Sydney Airport (Badgerys Creek), and Mason & Main Merrylands with four cranes each. Powerhouse Parramatta, Sky High Revolution East Side Quarter (Penrith), 61 Retreat Drive (Penrith) and 5 Unwin Street, (Penrith) all have three cranes.

Cranes are currently on sites in Badgerys Creek, Bankstown, Blacktown, Box Hill, Bringelly, Cabramatta, Campsie, Canley Vale, Chester Hill, Edmondson Park,



Fairfield, Georges Hall, Glenmore Park, Glenwood, Harris Park, Jamisontown, Jordan Springs, Kemps Creek, Lakemba, Liverpool, Marsden Park, Merrylands, Mount Druitt, North Kellyville, North St Marys, Northmead, Olympic Park, Parramatta, Penrith, Rooty Hill, Rosehill,

Rouse Hill, Schofields, Seven Hills, St Marys, Tallawong, Terry Hills, The Ponds, Toongabbie, Wentworth Point and Westmead.

## WOLLONGONG

The Wollongong and Shellharbour region recorded a fall in this edition of the RLB Crane Index®—from 89 index points to 72. The index value represents a total of 13 cranes across the two council areas of Wollongong and Shellharbour. Four cranes were removed from sites and one crane was added.

One new crane was erected at:

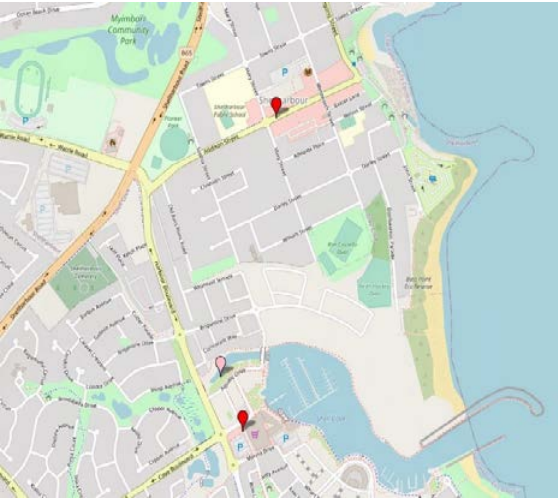
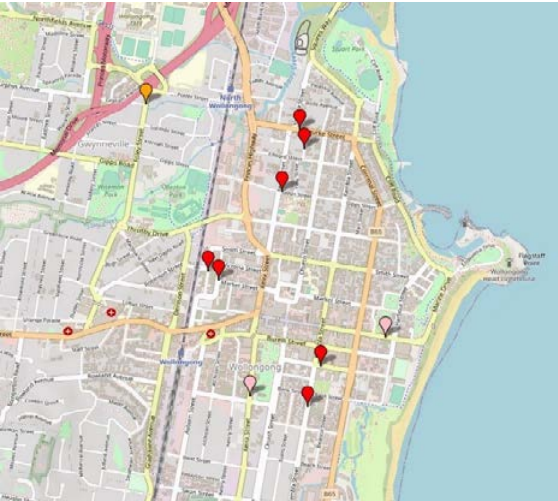
- Benetti, Shell Cove (Mixed Use / Other)

Cranes were removed from the following projects:

- Novello, Wollongong (two cranes, Mixed Use / Other)
- Atchison St, Wollongong (Residential)
- Nautilus building, Shell Cove (Residential)

### CRANE ACTIVITY - WOLLONGONG

	OPENING COUNT		MOVEMENT			CLOSING COUNT	
	Q1 2023	%	+	-	NET	Q3 2023	%
AGED CARE	0	0.0%	0	0	0	0	0.0%
CIVIC	1	6.3%	0	0	0	1	7.7%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	0	0.0%	0	0	0	0	0.0%
DATA CENTRES	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	4	25.0%	1	-2	-1	3	23.1%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	11	68.8%	0	-2	-2	9	69.2%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	16	100.0%	1	-4	-3	13	100.0%



### KEY SECTORS

CIVIC	
MIXED USE	
RESIDENTIAL	

### OVERALL STATUS

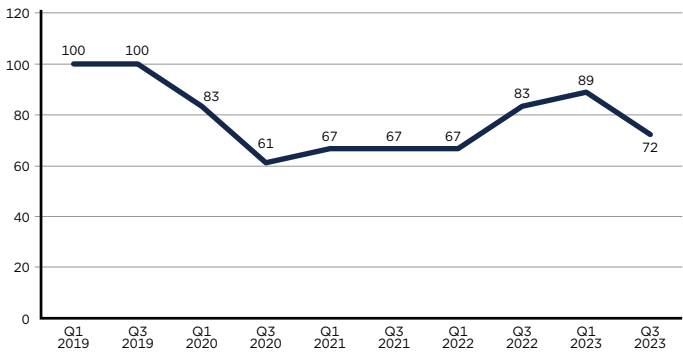


### LEGEND

	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



## ABOUT THE RLB CRANE INDEX®

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

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

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

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

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

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

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

where Crane Index<sub>cp</sub> is the RLB Crane Index<sub>cp</sub> for the current period and Crane Index<sub>pp</sub> 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 is 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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