



## Q1 2021 RLB CRANE INDEX® HIGHLIGHTS

- Total of 136 long term cranes on construction sites in the seven main centres. (78 in Auckland, 15 in Christchurch and 15 in Queenstown), up from 123 in Q3 2020
- RLB Crane Index® rose to 172, up from 156 previously
- Residential Index rose to 277, the highest since the inception of the index
- 61 long term residential cranes. The highest since the commencement of the index. The previous high was Q3 2018
- The non-residential sector accounts for 75 of the cranes across New Zealand up from 69 at Q3 2020
- The retail and commercial sectors combined, account for only 18 cranes across the country, significantly down from the record of 47 long term cranes in Q3 2018
- The civil, health and education sectors have remained constant over the last four editions with long term crane numbers in the mid thirties, combined
- The Metro Sports project in Christchurch remains the biggest project from a crane count perspective with 7 long term cranes

## **CRANE ACTIVITY - NEW ZEALAND**

NUMBER OF CRANES



## Q1 2021 RLB CRANE INDEX® SUMMARY

	KEY SECTORS			
	CIVIC		HOTEL	
	CIVIL		MISC.	
NA	COMMERCIAL		RECREATION	
	EDUCATION		RESIDENTIAL	
	HEALTH		RETAIL	
	MISC. INCLUDES MIXED	USE ANI	D OTHER SECTOR PROJE	стѕ
	LEGEND INCREASE IN NUMBER	T A. III	N NUMBER L	ANE MBERS
	NA	CIVIC  CIVIL  NA COMMERCIAL  EDUCATION  HEALTH  MISC. INCLUDES MIXED  LEGEND  INCREASE	CIVIC  CIVIL  NA COMMERCIAL  EDUCATION  HEALTH  MISC. INCLUDES MIXED USE AND  LEGEND  LEGEND	CIVIC HOTEL  CIVIL MISC.  NA COMMERCIAL RECREATION  EDUCATION RESIDENTIAL  HEALTH RETAIL  MISC. INCLUDES MIXED USE AND OTHER SECTOR PROJE  LEGEND  INCREASE IN NUMBER RECREASE IN NUMBER RECREASE ROUGH



# **NEW ZEALAND**

Since the release of the last edition, the impacts of the COVID-19 pandemic have continued. New Zealand's response to the global pandemic has limited the impact on the construction industry. The government's cautious actions in delivering short, sharp lockdowns in specific regions (mainly Auckland) has caused some duress but has not unduly impacted the industry.

Some uncertainty with the forward workload remains beyond 2021 particularly for the commercial, hotel and tertiary education sectors. Whilst strength in the infrastructure sector remains with several government funded 'shovel ready' projects, the vertical construction pipeline in the upper North Island has been reduced.

Total building consents for the country were up by 0.62% for the twelve months to December 2020 to \$23.5b from \$23.4b which gives confidence in the ongoing pipeline of activity.

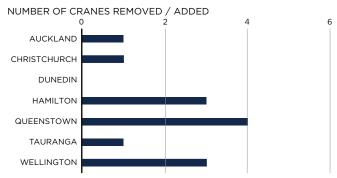
The RLB Crane Index® rose by 11% from Q3 2020. This increase was the result of New Zealand's total long term crane numbers increasing by 13, to 136. The highest number of cranes counted to date was 148 in Q1 2019.

All regions of New Zealand within the index, saw increased crane numbers. Queenstown and Wellington both saw additional long-term crane numbers of four and three respectively.

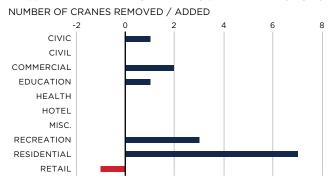
Residential crane numbers highlight the strength of the sector, recording the highest number of cranes since the commencement of the index. Sixty-one long term cranes are now on sites across New Zealand, with 46 in Auckland, which will provide valuable housing stock into the market.

The non-residential index has been bumpier and is now 18% lower than the Q1 2019 peak but up 9% since the previous count in Q3 2020.

#### NEW ZEALAND NET CRANE MOVEMENT BY CITY



#### NEW ZEALAND NET CRANE MOVEMENT BY SECTOR



#### **CRANE ACTIVITY - NEW ZEALAND**

	OPENING COUNT		МО	VEMI	ENT	CLOSING COUNT		
	Q3 2020	%	+	-	NET	Q1 2021	%	
AUCKLAND	77	62.6%	24	-23	1	78	57.4%	
CHRISTCHURCH	14	11.4%	6	-5	1	15	11.0%	
DUNEDIN	0	0.0%	0	0	0	0	0.0%	
HAMILTON	3	2.4%	3	0	3	6	4.4%	
QUEENSTOWN	11	8.9%	6	-2	4	15	11.0%	
TAURANGA	3	2.4%	1	0	1	4	2.9%	
WELLINGTON	15	12.2%	3	0	3	18	13.2%	
TOTAL	123	100.0%	43	-30	13	136	100.0%	

## **CRANE ACTIVITY - NEW ZEALAND BY SECTOR**

	OPENING	COUNT	МО	VEMI	ENT	CLOSING	COUNT
	Q3 2020	%	+	-	NET	Q1 2021	%
CIVIC	2	1.6%	2	-1	1	3	2.2%
CIVIL	25	20.3%	6	-6	0	25	18.4%
COMMERCIAL	13	10.6%	7	-4	3	16	11.8%
EDUCATION	2	1.6%	1	0	1	3	2.2%
HEALTH	4	3.3%	0	0	0	4	2.9%
HOTEL	9	7.3%	1	-2	-1	8	5.9%
MISC.	7	5.7%	1	-1	0	7	5.1%
RECREATION	4	3.3%	3	0	3	7	5.1%
RESIDENTIAL	54	43.9%	22	-15	7	61	44.9%
RETAIL	3	2.4%	0	-1	-1	2	1.5%
TOTAL	123	100.0%	43	-30	13	136	100.0%

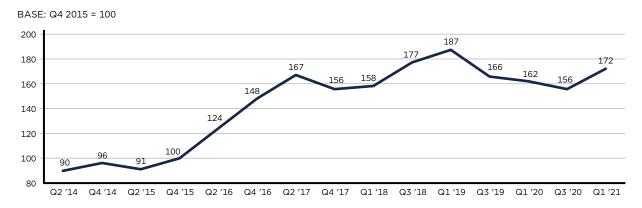
# RLB CRANE INDEX®



# **NEW ZEALAND**

#### **RLB CRANE INDEX® - NEW ZEALAND**

The New Zealand RLB Crane Index® rose to 172, the highest level since the record high of Q1 2019. The index rose by sixteen points to reach the third highest level since the inception of the index.



## **RESIDENTIAL INDEX**

The Residential Index increased sharply again by 13%, recording the sector's highest ever index value of 277. The continuing strong residential performance reflects the strength of the sector within New Zealand especially in the Auckland region.



# **NON-RESIDENTIAL INDEX**

The Non-Residential Index rose by nine per cent to reach 132, up from 121 previously. There was not one sector attributable for this rise as all sectors, except for retail, contributed to the rise in long term cranes across the country.





# **AUCKLAND**

Auckland's RLB Crane Index® rose for the first time since the peak of Q1 2019 at the end of the last construction boom. The Q1 2021 index rose from 233 to 236. Long-term cranes across Auckland rose by 1.3% from 77 to 78.

The net increase of one long-term crane was a result of 23 removals and the addition of 24 cranes across Auckland.

The small rise in crane numbers is not reflected by the decrease of building work put in place for the twelve months to December 2020. Auckland's building activity decreased by 8.2%, dropping by \$0.9b to a total of \$9.41b. Despite a net increase of three new residential cranes, residential building activity decreased by 2.1%. In contrast, non-residential cranes decreased by two, despite the 18.4% decrease in non-residential work put in place, which fell from \$4.0b to \$3.3b for the twelve months to December 2020.

This decrease in building activity is mirrored with a large fall in non-residential project consents for the twelve months to December 2020. Auckland's total building consents dropped by only 1.4% for the twelve months to December 2020. Residential consents were up by 3.2% to \$6.7b but non-residential consents were down by 11.5% to \$2.7b. The industries that were impacted by COVID-19 were hit the hardest, with offices, retail and tourism all recording much lower volumes of consents for the year.

Residential cranes continue to dominate the Auckland region. The sector grew to 46 long term cranes and now represent 59% of all long-term cranes across the city. Since the last edition, 16 new cranes were added while 13 cranes were removed.

There has been a rise in the number of long-term cranes seen on the North Shore with four new cranes commencing. Ten sites now dot the region with long term cranes in Albany, Rosedale, Milford, Wairau Valley, Northcote, and Narrow Neck, up from 5 previously. 9 of these cranes are in the residential sector.

New long-term cranes were added on significant civil sector projects. These include the City Rail Link at Mt Eden station and the Mangere Bridge replacement projects.

KEY SECTORS	OVERALL
CIVIC	STATUS
CIVIL	
COMMERCIAL [	
EDUCATION	
HOTEL	LEGEND
RESIDENTIAL [S	INCREASE IN NUMBER OF CRANES  OF CRANES  DECREASE IN NUMBER OF CRANES  OF CRANES  CRANE  NUMBERS  STEADY
MISC. INCLUDES MIXED USE AND OTHER SECTOR PROJECTS	

#### **RLB CRANE INDEX® - AUCKLAND**

BASE: Q4 2015 = 100

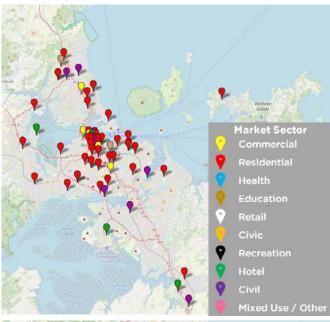


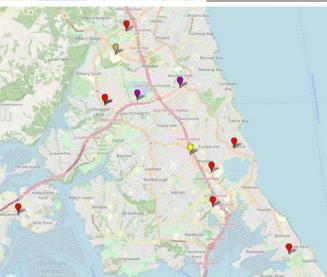
## **CRANE ACTIVITY - AUCKLAND**

	OPENING Q3 2020	COUNT %	MO +	VEMI -	ENT NET	CLOSING Q1 2021	COUNT %
CIVIC	1	1.3%	1	0	1	2	2.6%
CIVIL	20	26.0%	5	-6	-1	19	24.4%
COMMERCIAL	5	6.5%	2	-2	0	5	6.4%
EDUCATION	2	2.6%	0	0	0	2	2.6%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	6	7.8%	0	-2	-2	4	5.1%
MISC.	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	43	55.8%	16	-13	3	46	59.0%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	77	100.0%	24	-23	1	78	100.0%



# **AUCKLAND**







New long-term cranes across Auckland include:

#### RESIDENTIAL

- Albany
- Enfield Apartments, Mt Eden
- Kaianga Ora, Auckland Central
- Kitchener Road, Milford
- Kohimarima House
- May Road, Mount Roskill
- Millwater
- Mission Bay House
- Queens Street
- The Ridge Eastridge, Remuera
- University of Auckland Stanley Street Student Accommodation
- 113 Jervis Road
- Great Northern Road, Ponsonby

Key projects that have seen long term cranes removed include:

- Two cranes were removed from civil projects, including the Americas Cup Wharfs and Bases, the Watercare Central Interceptor in May Road
- The commercial sector experienced the removal of two cranes from Manson's Fanshawe Street offices and Orams Site 18
- Cranes were removed from the Sudima Hotel site and at the Cordis Hotel expansion project
- Residential cranes removed include Eden View Apartments, Jervois & Laurence Herny Bay, Kōkihi Apartments, Lynfield Ryman Healthcare, Mission Bay Horizon Apartments, Neo Apartments, Pacifica Tower and Victor Apartments

The education sector maintained their two new cranes at the St Kentigern School and the Massey Innovation Campus Building.

The commercial sector saw numbers remain the same with two cranes removed and two new cranes commencing at Greenlane and Westhaven Drive in the CBD.



# **CHRISTCHURCH**

Christchurch's crane activity for the Q1 2021 has continued to rise from the record low set in Q3 2019. With a net increase of one crane, Christchurch's long-term cranes have risen to 15. This additional crane increased the crane index by three points to 48, up from 45 previously.

The city experienced the addition of six new long-term cranes, while five were removed from projects across the region.

The increase in crane numbers follow a 10% fall in consents recorded for the year ending December 2020, Total consents for Canterbury \$3.0b down from \$3.4b in 2019. Work put in place for the year was down 10% in 2020, mainly due to a sharp drop in non-residential work which fell 20% over 2019 levels.

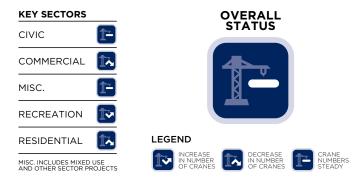


The Metro Sports Centre in Antigua Street currently has the most number of long-term cranes in the country with seven cranes.

Five other development sites account for the remaining 8 long-term cranes, these include:

- Christchurch Cathedral (3 cranes)
- 64 Kilmore Street (2 cranes)
- Colombo Street & Oxford Terrace
- Dorset Street
- Christchurch Arts Centre

Cranes were removed from the Convention Centre, 79 Cambridge Terrace, Dorset St and Super Lot 3 in Gloucester Street.



## **RLB CRANE INDEX® - CHRISTCHURCH**

BASE: Q4 2015 = 100

100

100

97

81

81

81

71

60

42

45

48

39

29

Q4 '15 Q2 '16 Q4 '16 Q2 '17 Q4 '17 Q1 '18 Q3 '18 Q1 '19 Q3 '19 Q1 '20 Q3 '20 Q1 '21

## **CRANE ACTIVITY - CHRISTCHURCH**

	OPENING Q3 2020	COUNT %	MC +	VEM -	ENT NET	CLOSING Q1 2021	COUNT %
CIVIC	1	7.1%	1	-1	0	1	6.7%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	1	7.1%	0	-1	-1	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%
MISC.	6	42.9%	1	-1	0	6	40.0%
RECREATION	4	28.6%	3	0	3	7	46.7%
RESIDENTIAL	2	14.3%	1	-2	-1	1	6.7%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	14	100.0%	6	-5	1	15	100.0%

# RLB CRANE INDEX® 15<sup>™</sup> EDITION Q1 - 2021



# **DUNEDIN**

No cranes currently are on sites within Dunedin.

With tenders being called for early contractor engagement for the inpatients building within the new \$1.4B Dunedin Hospital, this project will provide a significant boost to the forward construction work in the city into 2021 and for many years beyond.

Work is now also commencing on the University of Otago's new Student Accommodation College building, but no cranes have been placed as yet.

Building work put in place for the twelve months to December 2020 in the South Island, excluding the Canterbury region, increased by 1.3%, which included a rise in non-residential activity of 7.9% over 2019.

South Island (ex-Canterbury) consents rose by 6.0% to \$2.6b for the twelve months to December 2020.

# OVERALL STATUS



#### LEGEND









#### **RLB CRANE INDEX® - DUNEDIN**

BASE: Q4 2015 = 100



#### **CRANE ACTIVITY - DUNEDIN**

	OPENING	COUNT	МО	VEM	ENT	CLOSING	COUNT
	Q3 2020	%	+	-	NET	Q1 2021	%
CIVIC	0	0	0	0	0	0	0
CIVIL	0	0	0	0	0	0	0
COMMERCIAL	0	0	0	0	0	0	0
EDUCATION	0	0	0	0	0	0	0
HEALTH	0	0	0	0	0	0	0
HOTEL	0	0	0	0	0	0	0
MISC.	0	0	0	0	0	0	0
RECREATION	0	0	0	0	0	0	0
RESIDENTIAL	0	0	0	0	0	0	0
RETAIL	0	0	0	0	0	0	0
TOTAL	0	0.0%	0	0	0	0	0.0%

# RLB CRANE INDEX® 15<sup>™</sup> FDITION Q1 - 2021



# **HAMILTON**

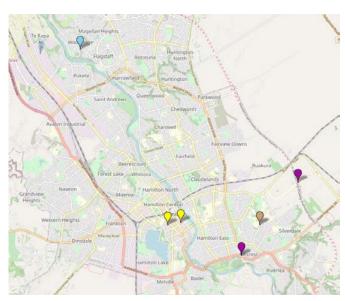
Hamilton's crane count doubled for the Q1 2021 edition, with the addition of three cranes throughout the city lifting total long-term cranes to 6.

The total value of non-residential building put in place in the Waikato region increased by 1.8% in the twelve months to December 2020. Total building consents increased by 1.8% to \$2.4b for twelve months to December 2020.

No cranes were removed since our last index with new long-term cranes at

- Project Hauata ACC building
- The Pa University of Waikato
- Cobham Drive overbridge

Cranes remained on projects at Waikato Espressway, Union Square and Ryman Village.





# **KEY SECTORS** CIVIL COMMERCIAL **EDUCATION** HEALTH MISC. INCLUDES MIXED USE AND OTHER SECTOR PROJECTS



#### LEGEND



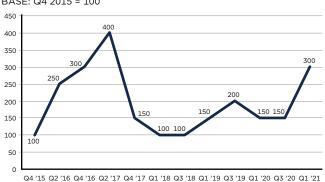






#### **RLB CRANE INDEX® - HAMILTON**

BASE: Q4 2015 = 100



#### CRANE ACTIVITY - HAMILTON

	OPENING Q3 2020	COUNT %	MO +	VEM -	ENT NET	CLOSING Q1 2021	COUNT %
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	1	33.3%	1	0	1	2	33.3%
COMMERCIAL	1	33.3%	1	0	1	2	33.3%
EDUCATION	0	0.0%	1	0	1	1	16.7%
HEALTH	1	33.3%	0	0	0	1	16.7%
HOTEL	0	0.0%	0	0	0	0	0.0%
MISC.	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	3	100.0%	3	0	3	6	100.0%

# RLB CRANE INDEX® Q1 - 2021 15<sup>™</sup> FDITION



# **QUEENSTOWN**

Queenstown's index continued its rise to a record level of 500, representing 15 cranes. Despite the continued uncertainty in the hotel and tourism sectors, strong residential activity over the past six months has seen residential cranes grow to 8 cranes from 6 previously.

Building work put in place for the twelve months to December 2020 in the South Island, excluding the Canterbury region, increased by 1.3%, which included a rise in non-residential activity of 7.9% over 2019.

South Island (ex-Canterbury) consents rose by 6.0% to \$2.6b for the twelve months to December 2020.

Six new long-term cranes commenced within the region, three in the commercial sector, two residential and an additional crane within the Holiday Inn development in Red Oakes Drive.

New long-term cranes were seen at:

- Holiday Inn
- Wakatipu High School Extension
- 689 Peninsula Road, Kelvin Heights
- 1 Maize Street, Jacks Point
- Frankton Road
- **Brecon Street Commercial Hub**

Cranes were removed from:

- **Bunnings**
- Mountain Ash Drive







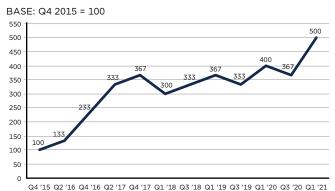
LEGEND







## **RLB CRANE INDEX® - QUEENSTOWN**



# **CRANE ACTIVITY - QUEENSTOWN**

	OPENING Q3 2020	COUNT %	MC +	VEM	ENT NET	CLOSING Q1 2021	COUNT %
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	0	0.0%	0	0	0	0	0.0%
COMMERCIAL	2	18.2%	3	-1	2	4	26.7%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	0	0.0%	0	0	0	0	0.0%
HOTEL	2	18.2%	1	0	1	3	20.0%
MISC.	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	6	54.5%	2	0	2	8	53.3%
RETAIL	1	9.1%	0	-1	-1	0	0.0%
TOTAL	11	100.0%	6	-2	4	15	100.0%

# RLB CRANE INDEX® 15<sup>™</sup> EDITION Q1 - 2021



# **TAURANGA**

Tauranga's RLB Crane Index® halted its recent record of falling numbers by increasing long-term crane numbers to 4.

Building work put in place for the twelve months to December 2020 in the North Island, excluding the Auckland, Waikato and Wellington regions, fell by 4%, which included a fall in non-residential activity of 4% over 2019.

North Island consents rose by 11.5% to \$4.0b for the twelve months to December 2020.

Cranes remain at the Baypark & Bayfair Road link and at Farmers on Elizabeth Street.

A new long-term residential crane was placed on the Camden Apartment project on 4th Avenue.



# **KEY SECTORS** CIVIL RESIDENTIAL RETAIL MISC. INCLUDES MIXED USE AND OTHER SECTOR PROJECTS













## **RLB CRANE INDEX® - TAURANGA**

BASE: Q2 2016 = 100



# **CRANE ACTIVITY - TAURANGA**

	OPENING COUNT		МО	VEM	ENT	<b>CLOSING COUNT</b>	
	Q3 2020	%	+	-	NET	Q1 2021	%
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	1	33.3%	0	0	0	1	25.0%
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%
MISC.	0	0.0%	0	0	0	0	0.0%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	0	0.0%	1	0	1	1	25.0%
RETAIL	2	66.7%	0	0	0	2	50.0%
TOTAL	3	100.0%	1	0	1	4	100.0%



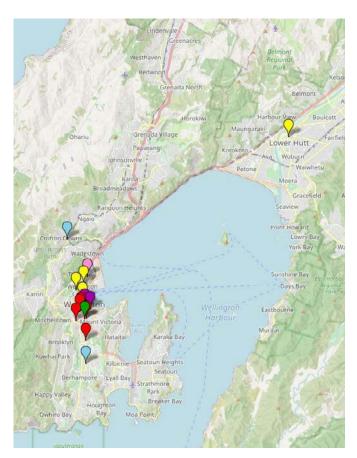
# WELLINGTON

Wellington's RLB Crane Index® continued its upward trajectory with another significant rise of 33 points to reach a record high of 200. This growth was caused by three new long-term cranes being placed in Wellington and no removals for the period. A record high of eighteen long-term cranes are now placed on projects in the Wellington Region

As identified in our last publication, the construction market in Wellington remains buoyant in the post-COVID environment and appears to be the least impacted centre currently with a strong and reliable pipeline of government related work.

The city's skyline now showcases eighteen long-term cranes, the highest amount since the start of the RLB Crane Index®.

With the non-residential building activity increasing by 10.8%, the regions total work put in place rose by 3.5% in the twelve months to December 2020. Total building consents for the region experienced an increase of 0.4% in the twelve months to December.



# COMMERCIAL HEALTH HOTEL MISC. RESIDENTIAL MISC. INCLUDES MIXED USE AND OTHER SECTOR PROJECTS MISC. CRANES OF CRANES INCREASE OF CRANES OF CRANES OF CRANES OF CRANES CYANE INCREASE OF CRANES OF CRAN

#### **RLB CRANE INDEX® - WELLINGTON**

BASE: Q4 2015 = 100

200

200

180

167

167

169

100

100

100

100

80

60

40

Q4 '15 Q2 '16 Q4 '16 Q2 '17 Q4 '17 Q1 '18 Q3 '18 Q1 '19 Q3 '19 Q1 '20 Q3 '20 Q1 '21

# **CRANE ACTIVITY - WELLINGTON**

	OPENING Q3 2020	COUNT %	MO +	VEM -	ENT NET	CLOSING Q1 2021	COUNT %
CIVIC	0	0.0%	0	0	0	0	0.0%
CIVIL	3	20.0%	0	0	0	3	16.7%
COMMERCIAL	4	26.7%	1	0	1	5	27.8%
EDUCATION	0	0.0%	0	0	0	0	0.0%
HEALTH	3	20.0%	0	0	0	3	16.7%
HOTEL	1	6.7%	0	0	0	1	5.6%
MISC.	1	6.7%	0	0	0	1	5.6%
RECREATION	0	0.0%	0	0	0	0	0.0%
RESIDENTIAL	3	20.0%	2	0	2	5	27.8%
RETAIL	0	0.0%	0	0	0	0	0.0%
TOTAL	15	100.0%	3	0	3	18	100.0%

# RLB CRANE INDEX® Q1 - 2021 15TH EDITION



# WELLINGTON

The three new cranes were placed at Samoa High Commission, Victoria Street Apartments and the Nightingale Residential/Aoraki Apartment Block.

Ongoing projects with cranes include: Queensgate Shopping Mall, BUPA Crofton Downs, Convention Centre, Ramada Hotel & Residence, Statistics New Zealand, Redican Allwood Apartment Block, Indian High Commission, Bowen Campus, Town Hall Strengthening, Wakefield Medical Centre, Paddington / Armstrong Downes precinct development and Nightingale in Victoria Street.

The Queensgate Shopping Mall, Bupa Crofton Downs and the Convention Centre each have two cranes.



# RLB CRANE INDEX®



#### ABOUT THE RLB CRANE INDEX®

The RLB Crane Index® is published by Rider Levett Bucknall biannually in Australia, New Zealand, USA, Gulf States and Southern Africa. The New Zealand RLB Crane Index® tracks the numbers of cranes in the key cities within New Zealand.

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 (4th edition Q4 2015), which enables the RLB Crane Index® to be calculated highlighting the relative movement of crane data over time for each city.

Subsequent movements in crane numbers were applied to the base RLB Crane Index® to highlight the crane movements in each city over time based on the relative count in Q4 2015.

Using the RLB Crane Index® table data makes for quick comparisons in determining city by city crane activity. For example, when comparing Auckland cranes for the base period of Q4 2015, against the count in Q1 2021, the following formula can be used to determine the percentage increase (or decrease).

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<sup>®</sup> 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 pins color indicates the market sector of the development. The pins are not an indication of the numbers of cranes in that location.

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

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

#### **CONTACT DETAILS**

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