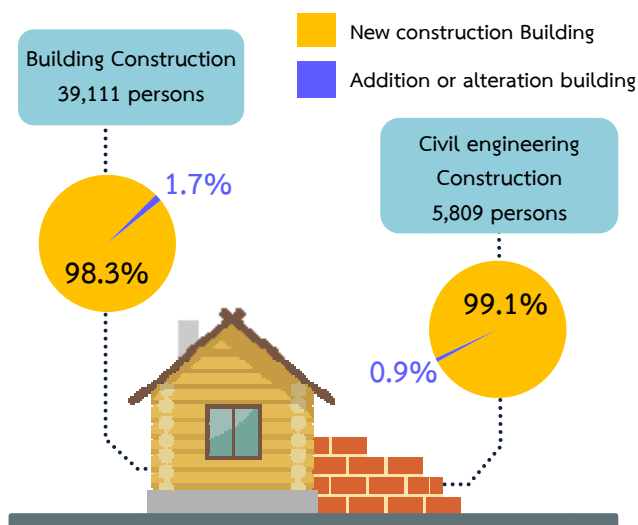


EXECUTIVE SUMMARY

THE CONSTRUCTION AREA : Q2/2018

The construction area is the data collected on permitted area of both new construction and addition or alteration for building construction and civil engineering construction by private sector. The major findings are as follows ;

Figure 1 The number of permits of new construction building and addition or alteration in Q2/2018 by type construction.

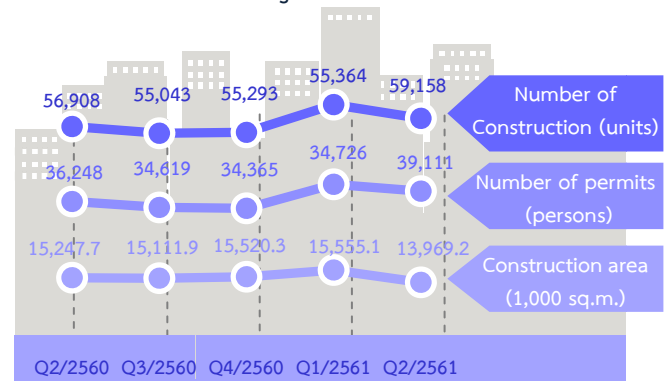


In Q2-2018, the total number of permits of new construction building and addition or alteration were 44,920 persons, composed of 39,111 persons for building construction (87.1%) and 5,809 persons (12.9%) for civil engineering construction.

1. Building Construction

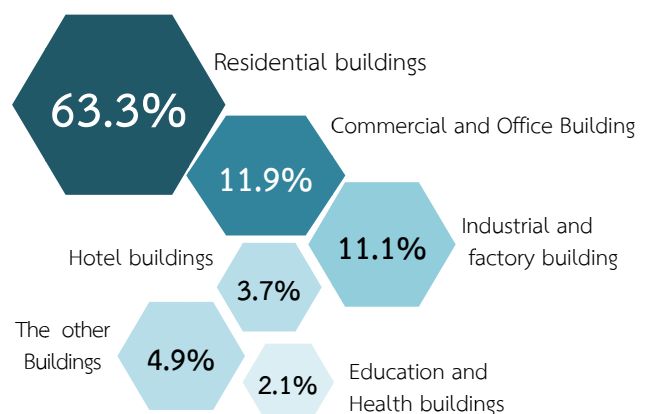
There were 39,111 permitted persons for new construction and addition or alteration. IF Compared to the last previous (Q1/2018), the number of permits decreased by 4.9%. and increased by 7.3% from the same period in last year (Q2/2017) (Figure 2)

Figure 2 Comparison for the number of permits, the number of construction and construction area of building construction



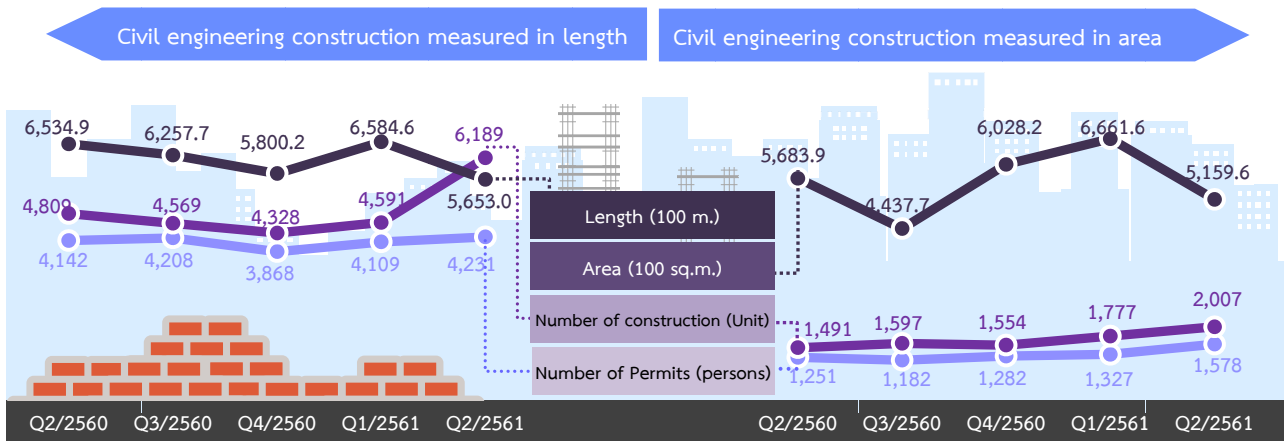
The total area of building construction were 13.97 million sq.m., that decreased by 24.3% from the last period (Q1/2018) and decreased by 8.4% from the same period in the last year (Q2/2017). To consider in each type of building, residential building was permitted 9.26 million sq.m., followed by commercial and office building was permitted 1.67 million sq.m., factory building 1.55 million sq.m., hotel building 0.52 million sq.m., educational and health building 0.29 million sq.m. and building for other objective such as sewerage building, power house/ power station/solar energy building, water supply and filter plant, transportation building, agricultural building and entertainment building were permitted 0.69 million sq.m.

Figure 3 Percentage of construction area which permitted in Q2/2018 by type of building construction



2. Civil engineering construction

Figure 4 Comparison for the number of Permits, the number of construction and construction length / area of civil engineering construction by type of construction.



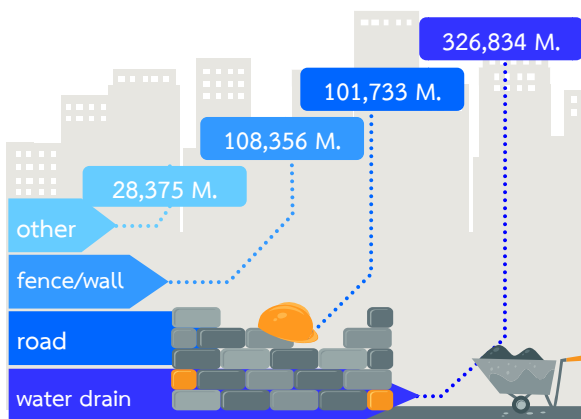
• Civil engineering construction measured in length

For the civil engineering construction measured in length such as water drain, road, fence/wall, bridge, dam and etc., there were 4,231 permitted persons. That increased by 2.9% from the last period (Q1/2018) and increased by 2.1% from the same period in the last year (Q2/2017).

• Civil engineering construction measured in area

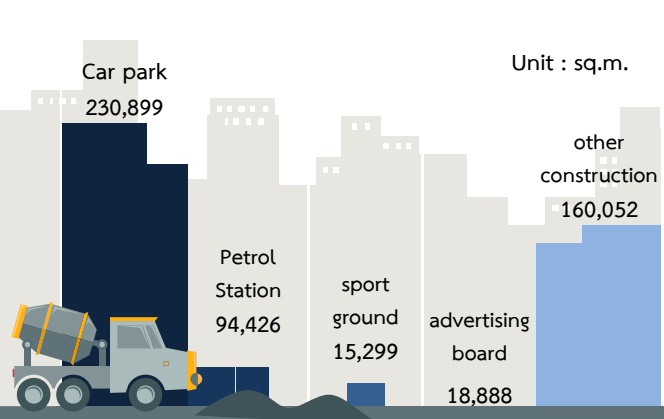
For the civil engineering construction measured in area such as car park, petrol/gas station, sport ground, advertising board and etc., there were 1,578 permitted persons. That increased by 15.9% from the last period (Q1/2018) and increased by 20.7% from the same period in the last year (Q2/2017).

Figure 5 Length of civil engineering construction permitted in Q2/2018 by type of construction



The length was total permitted 565,301 m., that decreased by 16.5% from the last period (Q1/2018) and decreased by 15.6% from the same period in the last year (Q2/2017). To consider in each type of construction, there were the length of water drain 57.8%, and 18.0% of road, fence/wall 19.2% and other construction 5.0% of total permitted length.

Figure 6 Area of civil engineering construction permitted in Q2/2018 by type of construction



The area was permitted 519,564 sq.m., that decreased by 28.2% from the last period (Q1/2018) and decreased by 9.4% from the same period in the last year (Q2/2017). To consider in each type of construction, there were the area of car park 44.5%, Petrol Station (Oil/LPG/NGV) 18.2%, sport ground 2.9%, advertising board 3.6% and other construction 30.8% of total permitted area.