**Certificate of Completion**

**Introduction to VIKTOR**

**{{today\_date}}**

**{{user\_name}}**

Congratulations {{user\_name}}!

You have followed all the steps and completed all calculations in your first VIKTOR application in which you sized and rendered a building suitable for apartments and offices.

**The World’s engineering potential**

First you interacted with a map, in which you indicated that your building will be placed in {{country}}, {{city}}.

Here you also indicated that the price per square meter was equal to {{price\_psm}} euros.

This results in a property price of {{prop\_price}} euros.

**Automate the boring**

An initial building was displayed in the application. You can find an image for your reference below.

Afbeelding met gebouw, hemel, schermopname, wolkenkrabber

Automatisch gegenereerde beschrijving

Next you performed some sizing on the building. The final dimensions can be found in the table below:

|  |  |
| --- | --- |
| **Parameter** | **Value** |
| Height [*m*] | {{height}} |
| Width [*m*] | {{width}} |
| Length [*m*] | {{length}} |
| Floors [-] | {{floors}} |
| Basement Floors [-] | {{basement\_floors}} |
| Surface Area [] | {{surface\_area}} |
| Basement Surface Area [] | {{basement\_area}} |
| Pile Depth [m] | {{pile\_depth}} |

The building also has a floor plan, this floor plan includes the structural elements and the elevator column.

{{floor\_plan}}

**Building analysis**

In the next step, some concrete types are selected for comparison. From a structural perspective, the building is strongest with a higher rated concrete. These higher rated concretes are however significantly more expensive and tend to release more CO2. The comparison of suitable concretes can be found in the bar chart below.

{{co2\_graph}}

**Your feedback**

You successfully were able to design a building within a matter of minutes, your thoughts are:

{{user\_thoughts}}