

ISTANBUL ÇAMLI CA TV AND RADIO TOWER

Project Management and Steel Assembly Contract

CUSTOMER

UAB Infrastructure General
Directorate of Investments

LOCATION

Istanbul, Turkey

ARCHITECT

Melike Altınışik Architecture

Structural Engineer

Balkar Engineering

PERIOD

May, 2016 - November, 2019

SERVICES PROVIDED

CERM-EX Inc has been
responsible for the steel
assembly of the Tower.

CONSTRUCTION AREA

10,000 m²

TONNAGE CAPACITY

7000 Ton

Designed by Architect Melike Altınışik for the contest of "Çamlıca TV and Antenna Tower Project" planned to be implemented in 2011, the structure presently rises along 369-meter height on the Küçük Çamlıca Hill, one Istanbul's highest spots. The tower is constructed at 218-meter elevation from the sea level, situated on a 10,000 m² project site and 2,400 m² net construction area.

Its total height reaches 369 meters, 203.5 meters being reinforced concrete structure and 165 meters being the transition area of the steel antenna height, peaking at 587-meter from the sea level. That is to say, it will be beyond being a TV-Radio tower and it will rather act as a futuristic artwork that brings together tens of towers dispersed along both groves and that will, once complete, contribute to the silhouette of Istanbul.

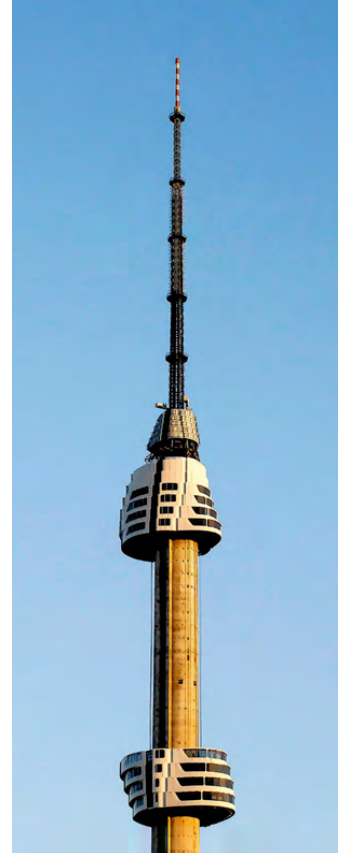
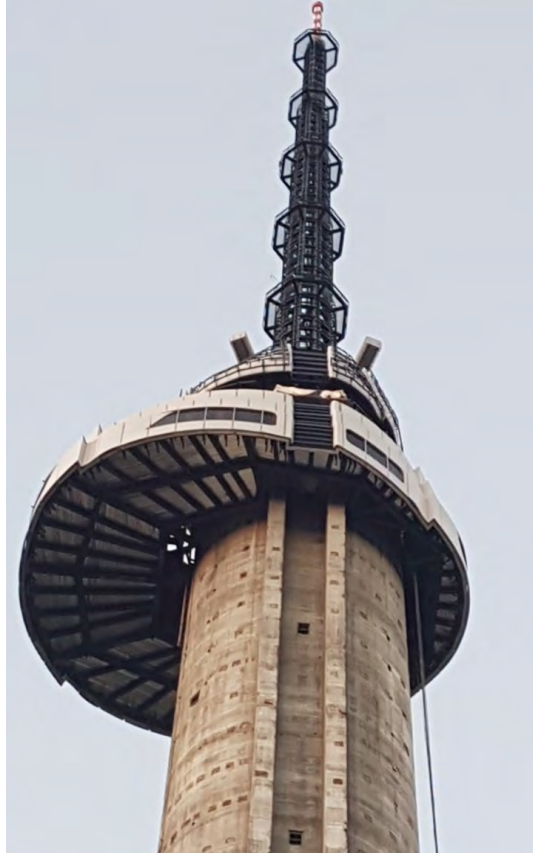
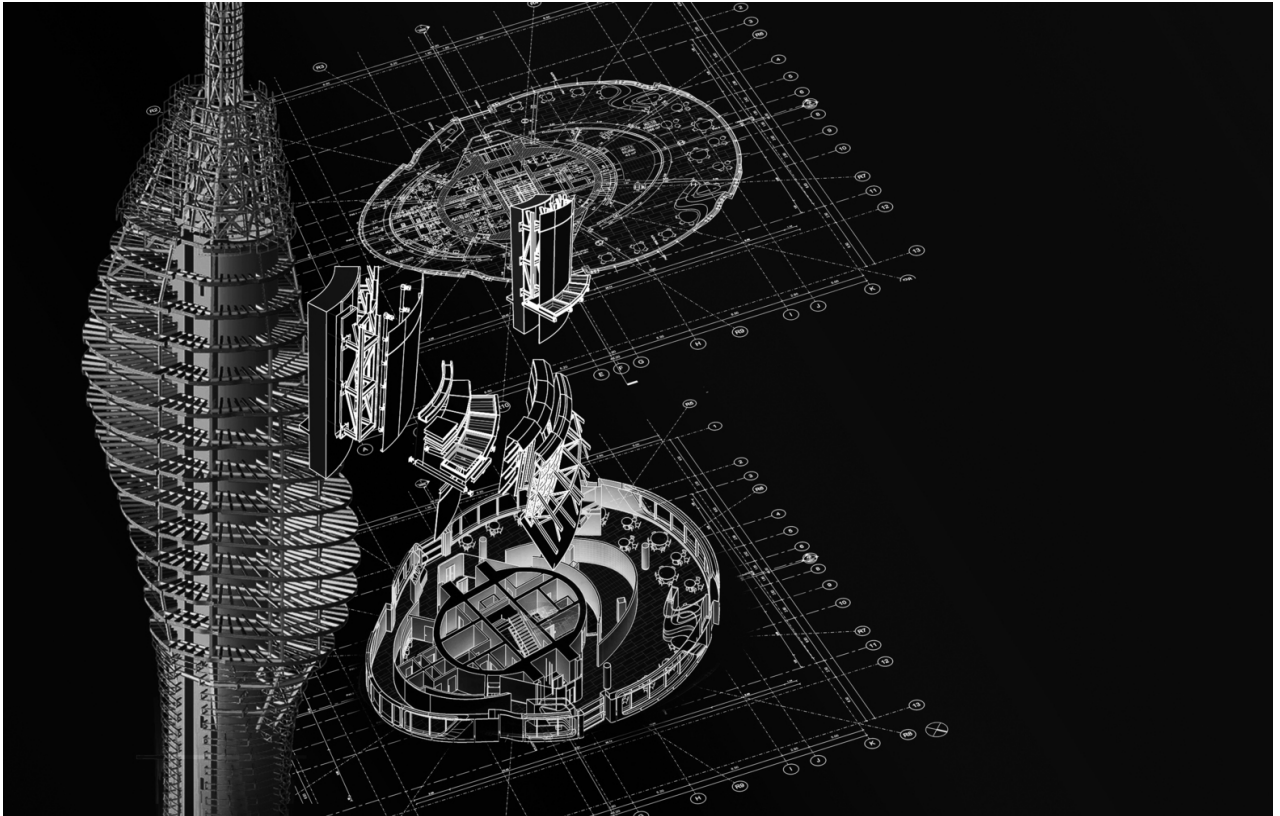
It will blow a new breath to the tourism and social life of Istanbul with its viewing floors at the 148th and 153rd meters and its restaurants at the 175th and 180th meters.

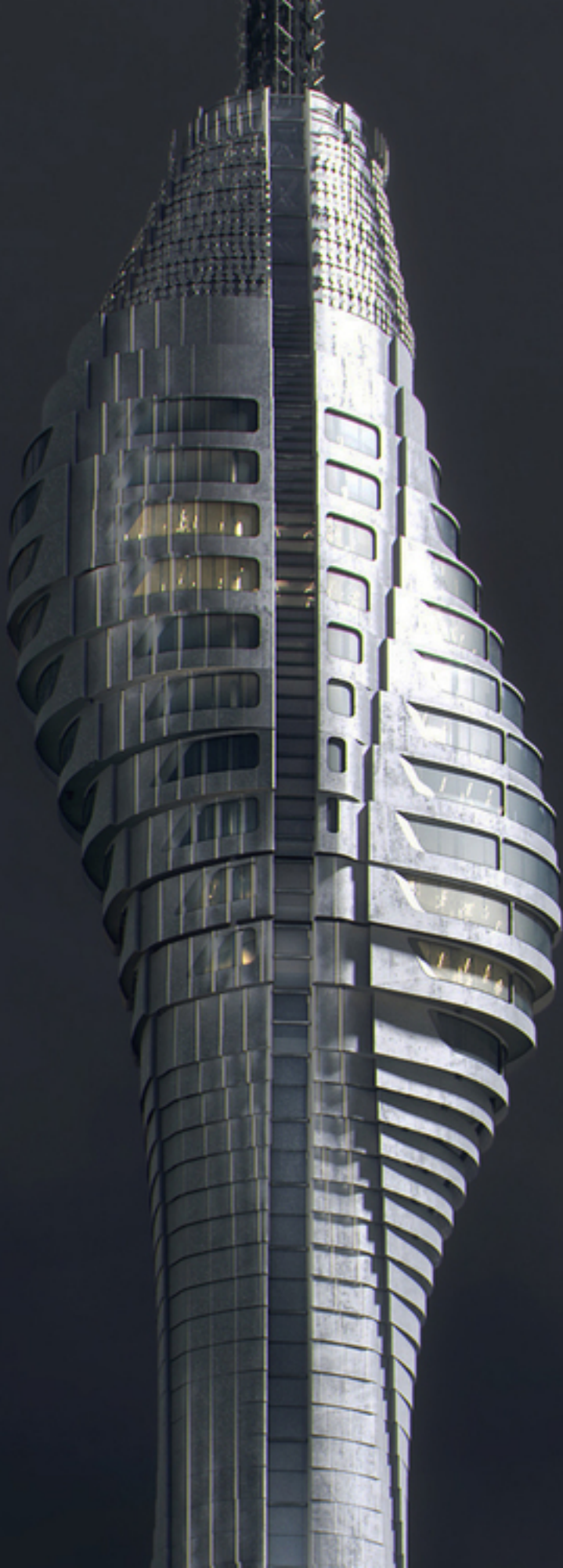
The outer facade consists of 7 segments, each segment contains 3 floors. The segments were assembled on ground level, lifted one by one to 200m top level and connected by welding.

The antenna consists of 14 segments, constructed and connected to each other by welding within the concrete structure of the tower. After completion of construction, the 165m long antenna was attached at ground level and lifted from ground to 200m height. Fastening the antenna at ground level entailed that the centre of gravity remained well above the attaching point.

IMAGE
Istanbul Çamlıca TV and Radio Tower







ABOUT US

CERM-EX is a privately owned, internationally focused engineering enterprise with world-class capabilities spanning the entire client value chain. We operate an integrated business model comprising the full range of engineering, fabrication and construction services delivering single-source solutions for some of the world's most prestigious public and private organisations.

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