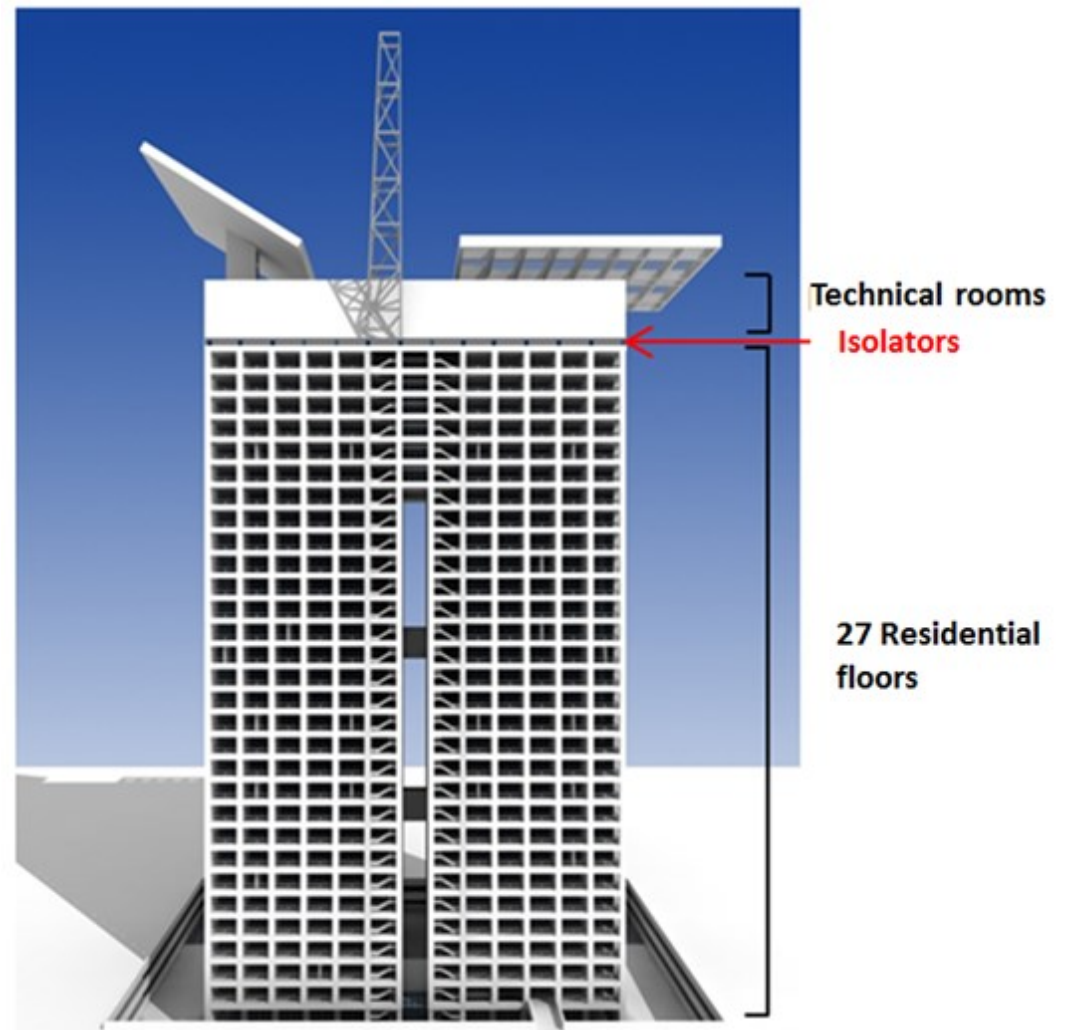




I.T UNED MASS DAMPER EUROSKY

PROJECT INFORMATION



PROJECT AND PRODUCTS

Eurosky Tower is the tallest skyscraper in Rome.

It represents the first example in Italy and one of the few application in Europe in which is applied the system of **Tuned Mass Damper**.

The TMD system is applied to avoid the vibration control on the structures.

It consists of the installation of an auxiliary mass on the top of the building. The mass has to be suitably connected to the building. This mass has the function of damping the vibration of the structure thanks to the dissipation of the energy. With the application of this system it is possible to reach a reduction of the response of the structure against the dynamic excitations that could be of several nature.

In the Eurosky Tower, the TMD has as mass the last three floors of the building. These floors are technical rooms and they are separated from the rest of the building with **32 LRB serie SOMMA ISI-P and 22 sliding isolators serie SOMMA ERGOFLON DISC**.

In the project were used as mass the structure itself, so that having a mass higher than an usual TMD system.

The devices are the damper of the TMD system and the behaviour affects the period of vibration



Serie ERGOFLON



Serie ISI