

# JTI Headquarters Geneva (Switzerland)



## Project description

The new headquarters of Japan Tobacco International (JTI) in Geneva is a steel structure building in sustainable design and surrounded by parkland. It is located in the Secheron district, which is an old industrial complex, close to the United Nations offices.

The structure of the building is built with a huge cantilever. Its opposing corners are elevated, which enables a central courtyard to provide unfettered views and allows pedestrians to pass through the site. A torsional tube structural system, which creates column free office space, provides maximum internal flexibility and future adaptability.

## mageba scope

In order to meet the designer's unique requirements, mageba was chosen to provide spherical bearings that allow the structure to work. A very special requirement is that the bearings are made 100 % out of stainless steel and hence further increase the bearing's lifecycle.

mageba provided six spherical bearings that cover three major features :

- Transfer the vertical load of the structure up to 85,000 kN
- Transfer the horizontal load due to the cantilever structure up to 9,400 kN
- Allow smooth rotation around three axis thanks to the concave/convex special design

## Highlights & facts

### mageba products:

Type: RESTON®SPHERICAL bearings types KF and KE  
Features: 100 % stainless steel  
Installation: 2013

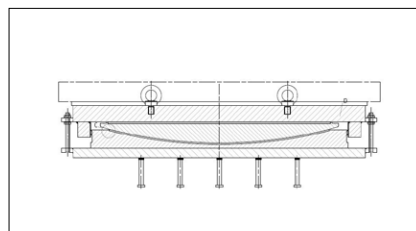
### Structure:

City: Geneva  
Country: Switzerland  
Completed: 2015  
Height: 51 m  
Type: Steel structure building  
Owner: Japan Tobacco International (JTI)  
Contractor: Implenia Suisse AG  
Architect: Skidmore, Owings & Merrill LLP (SOM)

The building is located in Geneva and draws reference to Lake Geneva and the Alps



Technical details of a RESTON®SPHERICAL bearing of type KE, drawn in mageba's headquarters in Bulach



Installation of a RESTON®SPHERICAL bearing at the construction site in 2013

