

## Cafeteria Roof Structure on Troia Island

The roof of the cafeteria on Troia Island covers a surface area of 800m<sup>2</sup>.

The main design requirement for the structure was its adaptation to the surrounding buildings and wooded area. The roofing membrane covers a maximum span of 30.0m.

The structure comprises two steel masts, which are connected to each other by a main cable, and are anchored to the foundation element.

The PVC membrane is anchored at four points: At the two mast heads and at the two ground anchors.



### Portugal / 1998 Project data

Structural type:  
Textile membrane structure  
Location:  
Setúbal (Portugal)  
Opening date:  
1998  
Proprietor:  
SONAE  
Construction:  
Comercial Marítima  
Steel structure:  
FAMECA  
Scope of Works:  
Construction Project