

# Fast, Accurate & Easy

## **PROLINER® quality control** **New roof Gare d'Austerlitz in Paris**

The French station Gare d'Austerlitz is one of the seven major main stations in Paris and was built between 1862 and 1870. The station annually processes 25 million passengers.



**Gare d'Austerlitz**

*Lagarrigue is a French company specialized in precast concrete; using molds they make the precast concrete components. The company built a long reputation for building bridges, locks, dams etc and recently even the bars of the French part of the high-speed line Perpignan-Figueras.*

Lagarrigue recently received the challenging order to build the entire roof of the Gare d'Austerlitz. The roof will consist of 350 fire-proof concrete slabs that must seamlessly fit with each other through rubber strips. These curved concrete slabs can quite vary in form, so for each model a separate metal template has to be made using the digital drawing of the client. Each template undergoes a quality control with the Proliner® that measures the templates very easy and accurate. Hereafter the X, Y and Z values of Proliner® CAD drawing are compared with those of the CAD drawing of the client

Adjacent to the roof a large apartment building will be build of many millions Euros, which requires that the concrete slabs are fire resistant. Each concrete slab has an average size of 7x3 meters and a value of € 150.000,-. For Lagarrigue this is a very expensive project, which requires absolute certainty of the correct sizes. The quality control of the Proliner® gives this certainty. "The speed and accuracy of measuring with the Proliner® has amazed us and saves us a lot of time and money!"

If the templates are finally approved the actual production can be started. Using the template, various precast concrete roof panels are produced. After a template is used once, it gets again a quality control with the Proliner® to be used again afterwards. This extensive and expensive project has a duration of about 2 years. The high accuracy and speed of the Proliner® made sure that Lagarrigue could do this project and successfully complete it.

Lagarrigue also uses the Proliner® for controlling templates for precast concrete parts for pipes for sewers, locks, bridges and large buildings.



**With the Proliner® templates are measured fast and accurate.**



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