

**Our protective solutions for cement plants** ensure a new safety level in this segment during repair and maintenance work: Workers who carry out cleaning or other regularly required work in preheaters are protected much better from falling debris than before.



**Safety solutions for cement plants**

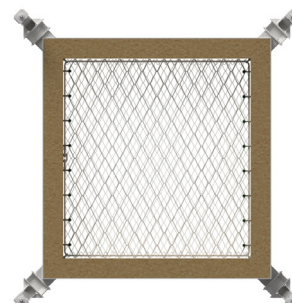
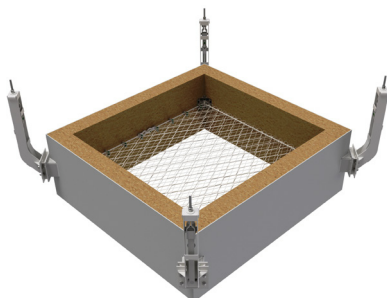
**MAINTENANCE WORKS  
ON THE SAFE SIDE**

# SAFETY SOLUTIONS FOR PREHEATERS: OVERHAULING ACCIDENTS ARE GONE.

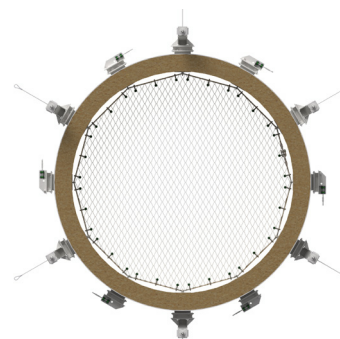
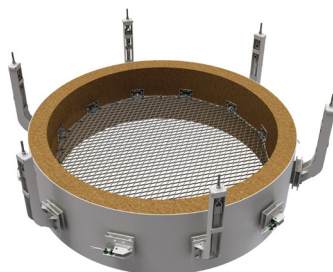
Encrustations and refractory material on the walls of the kiln inlet chamber and the preheater often break off during cleaning work and represent a considerable danger for employees and infrastructure when they fall into the depth. Our innovative system minimizes this danger efficiently: our protective structures based on high-tensile steel wire mesh arrest up to 1'000 kg when falling from a height of 10 meters and ensure sustainably the danger zone for workers. The system, including brakes, is particularly easy to mount in the riser duct and can be completely installed by just three persons within half a day with just a handful of tools.

## Range of solutions

### 1 For square kiln riser duct



### 2 For round kiln riser duct



## Challenges and Solutions:

► Conventional rigid stage constructions often do not withstand the high forces that occur due to lack of flexibility:

**The flexible Geobruigg system with high-tensile steel wire mesh, ropes and brakes also reliably absorb and dissipate high forces.**

► Installation without endangering employees:

**System is inserted from the outside into the preheater, no one has to be exposed to the danger zone.**

► Fixing to preheater outside:

**Boundary ropes are fixed to the outer shell with the brake elements.**

► Stopping of spillage:

**Foil between the safety meshes.**

► Long production stops during installation:

**Reduction of the installation time of one day compared to conventional stage constructions.**



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