



ADVANCED CONTROLS & DISTRIBUTION

PA: PITTSBURGH, ERIE, STATE COLLEGE | WV: MORGANTOWN, CHARLESTON | OH: CLEVELAND, AKRON, CANTON, YOUNGSTOWN

## NOVELIS CORPORATION CASE STUDY

### Challenge:

Novelis Corporation was presented with a challenge to protect employees from getting injured by moving equipment. Safety mats were installed to prevent equipment movement when a danger area was occupied. When an employee was on the safety mat, the equipment was prevented from moving. When an employee exited the safety mat protected area, the equipment was enabled to operate. Due to environmental conditions, the safety mats were being damaged or destroyed on a regular basis. The safety mat would last approximately two months. When the safety mats were damaged it became a tripping hazard and became very slick when exposed to the environment. The surrounding floor area was coated in a non-skid coating to help alleviate the slipping hazard. Novelis Corporation had investigated light curtains but due to the irregular shape of the area, the light curtain option was eliminated.

### Solution:

The STI OS32C safety laser scanner offering up to 70 sets of safety zone and warning zone combinations for complex changes in zone guarding parameters was supplied to Novelis Corporation by Advanced Controls and Distribution. The irregular area could easily be "mapped" into the device. The software was very easy to use and setup and commissioning was minimal.

### Result:

Tripping hazards and slick walking surfaces were eliminated. The STI OS32C safety laser scanner has been very reliable. Novelis Corporation is very pleased with the results of this installation.

David Hamilton  
Electrical Engineering Specialist  
Novelis Corporation

**ADITYA BIRLA**

