

# Overseas Project-Industrial Project

## Toronto Pearson International Airport Project

STABILOY®



### Project Location: Canada

Canada's largest airport is getting busier and more prosperous. Lester B. Pearson International confirms that the airport schedules more than 1,200 inbound and outbound flights a day. There are always tons of passengers everyday at the domestic and international departures.

The airport is expected to handle 50,000 passengers annually by 2020. The Toronto Airport Authority has a 10-year plan to invest \$4.4 billion in incremental airport development and reform, including a \$3 billion expansion of the airport terminal to meet the needs of all the passengers, like adventurers, holidaymakers and business travelers.

So, think about how to implement the lighting at the airport and how to make all the equipment work properly. Electric wires are used in every aspect of airport construction and STABILOY® cable was adopted. It is the optimal choice under every electric application circumstance, because such conductor could consistently provide exceptional strength and highly integrated conductivity for power distribution, cable risers and feeder lines. STABILOY® cable has high intensity and flexibility, and it is of only half of the same copper cable with the same specifications. It is also excellent conductor for heat and electricity, and it has extremely high corrosion resistance. Besides, it is non-magnetic and very easy to recycle. STABILOY® provides various products with 600 and 1000 volts, the size of which ranging from 13.3 to 380 mm<sup>2</sup>. "We installed nearly 18000 meters' cable from STABILOY® in this expansion project." said Mike·Lee, project manager for the installation of electricity and lighting system, building management systems, cables, fire alarm and leasing systems for the new terminal at Pearson Airport. "we've launched the first phase of work in early Sept. Of 2000 and completed it at Oct. Of 2003, in order to open the terminal in April 2004."

The support system used in the Pearson airport extension project is the cable tray and Unistrut support system with cables, bundles and Unistrut clips. Plan Electric used various specifications of STABILOY®, from 250 to 1000 kcmi, which impressed Mike.

"It is surprising that the length of the cable could reach 750 feet (230 meters), which significantly reduces the number of junction boxes we used." Mr Li said, "It is more efficient to drag and lay up. And because that STABILOY® cable is much lighter than copper cable, it is much easier to lay for long-distance construction. This is the first time for me to use this type of cable, but, I will not hesitate to use it again in the future."

### Main Product: STABILOY- ACWU90

