



Hydro One is the largest electricity transmission and distribution company in the province of Ontario. The Company owns and operates the majority of Ontario's electricity transmission capacity.

The transmission grid carries electricity to local distribution companies throughout the province, as well as to large industries that are supplied directly from the transmission grid. Ontario has one of the largest transmission grids in North America with over 30000km of transmission lines.

One of the great challenges facing any electrical system is the constant need for decisions regarding the transmission and distribution of power. Beyond maintaining the aging facilities, operators are tasked with integrating more intermittent generation from renewable sources and incorporating smarter grid systems.

Dealing with variable generation facilities is something relatively new to the industry. "Integrating renewables into the system and the market is another challenge that operators are being faced with.

Chess Controls has the experience and quality products to deliver the best solution on time and on budget to assist power generators. We represent a strong group of trusted manufacturers of quality products dedicated to continuous product improvement, increased reliability. Our partners additionally bring to Chess and our client expertise gained through years of experience from around the world.

## **HV EQUIPMENT**

Transformer  
On-Line DGA For Oil Filled Transformer  
Protection and Control Relays  
Intelligent Line Monitor  
IEC Process Bus  
H.V. Gas insulated Substation  
H.V. Disconnect Switch  
H.V. Dead tank Circuit Breaker  
H.V. Live Tank Circuit Breaker  
H.V. Current Transformer  
H.V. Potential Transformer  
H.V. LT Circuit Breaker  
H.V. Generator Circuit Breaker  
H.V. Hybrid Compact Switchgear  
H.V. Capacitors  
Air Core Reactors  
Surge Arresters  
125 VDC Charger and Batteries  
E-House  
Test Equipment

## **MV EQUIPMENT**

Transformer  
On-Line DGA For Oil Filled Transformer  
Protection and Control Relays  
Intelligent Line Monitor  
IEC Process Bus  
M.V. Current Transformer  
M.V. Potential Transformer  
M.V. Capacitors  
Surge Arrestors  
M.V. Switch / Circuit Breaker  
M.V. Switchgear  
M.V. GIS Switchgear  
Recloser  
Recloser Controller  
Substation Automation  
RTU  
125 VDC Charger and Batteries  
E-House  
Test Equipment



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