



The tower raising champion

As part of the La Romaine hydroelectric development project, a number of high-voltage transmission towers were raised, with more to follow in the coming years. Last spring, three Grove RT9150E rough-terrain cranes set new efficiency standards in raising towers.

This crane is the ideal partner for this type of large-scale project. With a 197-foot boom and the ability to move without having to remove and replace the counterweight, even on rough terrain, offers considerably greater operation efficiency. Plus, it only requires one operator and is more compact than cranes usually used for this type of work. With its agility, efficiency, and ease of operation, our RT9150E crane plays a crucial role in raising high-voltage power lines.

Three units of this model have been put to work on different sites since the winter and are still being used to raise hundreds of kilometers of power lines linking plants to stations.

◀ Left –

The Grove RT9150E rough-terrain crane raising part of a tower at the Montagnais station.

RT9150E – Working in winter conditions

Freezing winter cold snaps make heating hydraulic fluid a big part of maintaining top operational performance.

On very cold mornings (-20° C and below), it can take over two hours to warm up the hydraulic fluid in a crane like the RT9150E.

To address this situation, we decided to improve the insulation on the hydraulic fluid reservoirs on these types of cranes and modify our heating process. The changes made to the reservoirs were designed to allow a hot air line to be connected to a mobile heating unit. This method has reduced required heating times by 75%. The modified cranes now take no more than 30 minutes to reach operating temperature.



Upgrading Alcoa

A modernization project is underway at the Alcoa smelter in Baie-Comeau. On the pier, two cranes are busy disassembling and (after a few modifications) replacing unloader booms.

A number of technical operations are required to complete this project, such as tandem lifts and turning parts using a crane truck. Tessier Ltd. is proud to contribute to this project and to provide turnkey services, including lifting engineering and ground bearing pressure calculations.



Head office:

Tessier Ltd.
4 avenue Lavallée
Baie-Comeau, Quebec G4Z 1J

tessierltee.com ♦ info@tessier.desgagnés.com

Phone: 418-296-2423
Fax: 418-296-3771

Branch office:

265 rue des Pionniers
Sept-Îles, Quebec G4R 0P4

Phone: 418-962-3639
Fax: 418-968-6910