



SELECTED REFERENCES

MALMBANAN: KIRUNA – RIKSGRÄNSEN – NARVIK

Commissioned by: Banverket Norra Region

Value of order: € 5.5 million Project start: 06/2007 Project end: 08/2008

SPL Powerlines Sweden carried out the entire reconstruction of the catenary system of the Malm railway, an ore railway running from Kiruna to Narvik, Lapland. Due to the midnight sun on the polar circle and the geographical conditions, the project made extremely exacting demands of both men and machines. Despite these difficult conditions, SPL Powerlines Sweden was able to meet its target – without overrunning track possession times, without disrupting traffic – and above all in complete safety for personnel and environment. This was made possible only thanks to extremely tight planning of resources. During the months of June, July and August, a 32-man team consisting of catenary system linesmen and longstanding partners worked on a 120-km

section between Kiruna and the Norwegian border. Ten special-purpose vehicles were also used. Dividing the project into different parts proved very effective: “communications” (power-off times, track possession, safety), “method” (materials logistics, quality control) and “implementation” (work planning, personnel, machines). Organization of the materials stores and on-site construction offices proved a particularly challenging task, as did scheduling the arrival and departure times of staff and their accommodation. SPL Powerlines Sweden stands not only for the professional implementation of such advanced catenary projects, but also for smooth collaboration between people of different cultures.



The work carried out by SPL Powerlines Sweden/catenary construction services for this project included the following:

- 366 masts and foundations dismantled
- 112 km auxiliary power line dismantled
- 819 cantilevers installed
- 39 sections with 44 km of catenary erected
- 900 m catenary system replaced in avalanche tunnel
- 44 km of feeder line installed on new masts

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