

CASE STORY

Company: *Metalka Zastopstva IPRO d.o.o., Slovenia*
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Product: *Exhaust Hose Reel 865*
Place: *S-FOR base, Canadian Forces in Velika Kladusa, Bosnia and Herzegovina*

In August 2002 we received a request from the Canadian Forces in Bosnia and Herzegovina. They needed 8 independent exhaust extraction systems to cover 8 working places, where mainly heavy military trucks, but also smaller tanks and cars, are being repaired.

Because of the unification of the Nederman systems, we decided to use the same equipment for all types of vehicles. Therefore, we offered systems composed of the following parts:

- *Exhaust Hose Reel ser. 865, spring driven*
- *Hose NFC-3, 10 m, Ø 150 mm*
- *Fan N29 – 1.5 kW*
- *Rubber nozzle, no 20805961*

The mounting of the systems, as well as the hanging constructions and spyro ducts, was done by a contractor, McStella company in Velika Kladusa. They have done an excellent job!

The requested air flow for each system was 2000 m³/h at 2000 Pa. After testing with an air flow meter we got an even better result; the average air flow was 2300 m³/h at 2200 Pa.

But the most important was the "practical" test. We chose the strongest truck in the workshop and a small tank, which both emitted a lot of smoke when running without extraction. When the exhaust pipes were connected to the extraction systems, there was not a trace of smoke.



Because of this very good result we are now offering to reconstruct the two years old Future system, which has never been running. The design of this system is absolutely wrong; there are two 50 m long rails (similar to our ALU 150) with 5 exhaust hose reels on each rail, and 2 small fans on each side of the rail. The smoke from a truck connected to one of the Future reels comes out in to the workshop through any reel that is not connected.

The investor is satisfied with our work and high quality equipment, so in the future we expect some new projects.