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Feedback

on the delivery and deployment by individual entrepreneur M.I. Timchenko (Moscow, Russia) of vacuum toilet systems for rolling stock and infrastructural facilities of European railways.

From July 2019 to June 2020, individual entrepreneur M.I. Timchenko (TauRus Group) manufactured, delivered and commissioned one hundred fifty nine (159) toilet modules equipped with vacuum toilet systems (VTS) ordered by our company. The modules were installed at infrastructural facilities of railways in some European countries, as well as in passenger coaches replacing standard bio-toilets.

VTS-equipped toilets had a positive impact on local environments due to:

- severalfold decrease in clean water consumption, since the VTS uses only 0.5-0.7 liters of water per use instead of 6-7 liters, which is a standard amount for a conventional bio-toilet;
- nearly ten times lower frequency of grey water disposal;
- no bad odors in toilets.

The main and supplementary equipment was delivered and supervised installation and commissioning were conducted by individual entrepreneur M.I. Timchenko pursuant to high quality standards and on time.

Prefabricated buildings and internal equipment for autonomous modules and coach toilets are vandal-proof and include:

- toilet stalls with stainless steel vacuum bowls;
- electronic control system that controls water supply and disposal to dedicated tanks for further removal;
- hygiene equipment (a sink for washing hands, hot water tank, liquid soap dispenser, towel holder);
- clean water tank (1.5 cubic meters) and waste water tank (2.5-3 cubic meters);
- service area for equipment maintenance;

Modules are manufactured pursuant to high quality standards, have nice appearance and are comfortable to use in any weather.

Compared to conventional toilets, vacuum systems have the following advantages:

- modules with VTS are almost autonomous and require no connection to water supply and disposal lines;
- modules are easy to operate and maintain.

Our company believes that high quality of equipment, timely performance of the contract and smooth operation experience forms a solid foundation for further cooperation with individual entrepreneur M.I. Timchenko under the EU railways improvement program.

Irmantas Simatolskis

