

Demex presents



Swedish fence manufacturer Demex from Smålandsstenar, roughly situated between Helsingborg and Jönköping, showcased its new Sumo folding gate at the Perimeter Protection exhibition in January. It is a heavy-duty version of Demex's existing Jet Gate, designed for heavy-duty applications.

Immoo

Gate



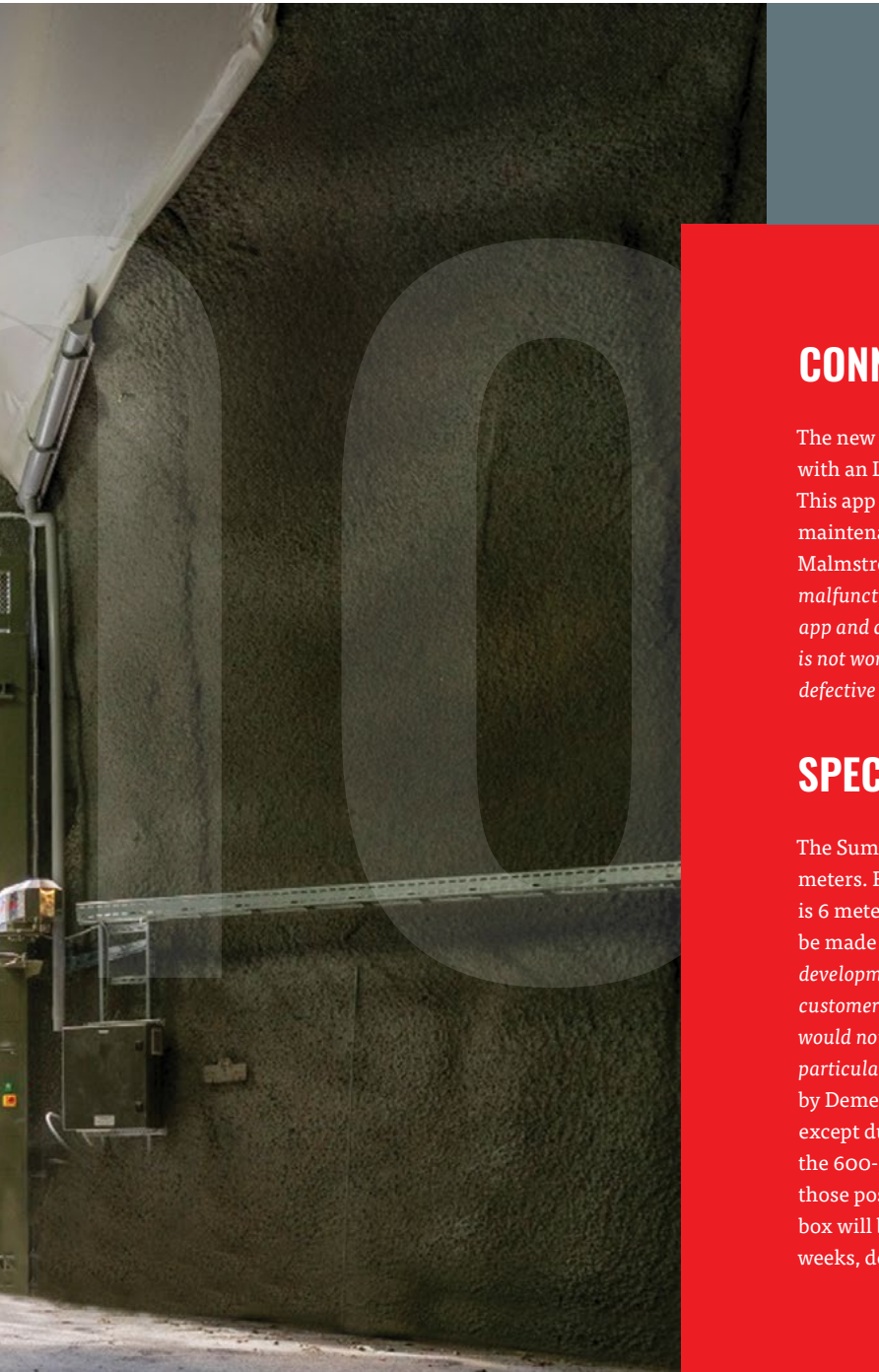
"We developed this gate because there is an increasing demand for stronger and safer solutions," says Dan Malmström from Demex. "We supply many gates for police stations and prisons. They want a gate that can withstand heavy loads and extreme conditions better than an industrial gate, but high-security gates with crash-test certification are overkill for them. With the Sumo, we fill the gap between these two classes."



CONSTRUCTION

The difference with Demex's Jet Gate is that everything is just a bit heavier. The most notable changes are the posts, which are 400 by 400 millimeters or 600 by 400 millimeters for the Sumo, with a wall thickness of a full centimeter. "But all other components are also heavier," says Malmström. "The leaves are made from hollow sections of 100 by 60 instead of 80 by 60 millimeters, the hinges are heavier, the pivot arms of the

drive are heavier, and the drive itself is also heavier. This means the Sumo is not only better suited for intensive use, but it can also withstand higher wind loads than the Jet Gate. Police stations and prisons, as well as data centers, distribution centers, and factories – essentially everywhere you think the gate might endure a bit more, you can now offer the Sumo."



CONNECTIVITY

The new Sumo, like all other gates from Demex, is standardly supplied with an LTE module and is fully compatible with the Demex app. This app was specially developed to simplify both operation and maintenance. "Users can open and close their gate with the app," says Malmström. "They receive notifications if the gate is left open or if there is a malfunction. Installers have an overview of all the gates they manage in their app and can analyze errors remotely. If a customer calls in stating their gate is not working, the installer can immediately see if it is, for example, due to a defective photocell."

SPECIFICATIONS

The Sumo folding gate is available with a passage width of up to 14 meters. For a passage width of up to 8 meters, the maximum height is 6 meters. It is standardly supplied with twin wire infill but can also be made with bars or an infill made of steel sheet. "The trigger to start development was an order for a tunnel entrance," says Malmström. "The customer wanted a picture of the mountain as the filling, so the tunnel would not stand out as much. For such special requests, the Sumo is also particularly suitable." Both the drive and the control system are designed by Demex itself. The maximum opening speed is 1 meter per second, except during the soft start and soft stop. If the gate is supplied with the 600-millimeter-wide posts, the control box is integrated into one of those posts. If the customer opts for the 400-millimeter posts, a separate box will be provided. The delivery time for the Sumo is approximately 8 weeks, depending on the configuration. ■