Farm owners from the Tarby Gard keep watch over their farm via Video Surveillance Solution from D-Link

Requirement
In the winter of 2012, Tarby Gård, a farm in Vallentuna near Stockholm, was burgled one night. The thieves emptied the farm’s diesel tank, broke open the door of the workshop and got into all the buildings, except for the actual house. They got their hands on diesel worth around SEK 20,000, along with tools and other loose equipment worth SEK 150,000. Apart from the feeling of violation resulting from the burglary, it turned out that the insurance company’s depreciation deductions also posed a major problem for the farm.

The theft gave Tarby Gård a lot of food for thought. This is why an alarm was fitted in the workshop directly after the break-in. At the same time, they also started looking at available solutions which would allow them to further increase security and monitor the premises along with their equipment and animals.

“Things have moved on in farming technology over the past few years, and as a result fewer staff are needed. This was why we wanted the option of checking that the animals are actually alright and that everything is working as it should even when there is nobody on site,” says Fredrik Andersson, who runs Tarby Gård farm.

D-Link’s Solution
After having reviewed the anti-theft market, Fredrik settled for an IP-based CCTV surveillance solution which complements his alarm effectively, acts as a deterrent and has a preventative effect.

Tarby Gård worked together with D-Link to carry out a requirement analysis which ended up with the farm installing six IP cameras linked to a digital video recorder known as an NVR (Network Video Recorder).

To achieve efficient camera surveillance covering all the buildings wireless links were used when creating the network. A Wi-Fi network with two access points was set up instead of digging up the ground to install network cables. The network and cameras are all interlinked and controlled by a network switch with PoE (Power over Ethernet) functionality. Since this switch is capable of sending power to the cameras Tarby Gård does not have to install power sockets in all the locations where cameras are installed.

D-Link sells more than 20 different camera models for companies of all sizes. Tarby Gård opted for outdoor cameras with night vision and HD resolution. All the IP cameras were supplied with IP66-rated enclosures which are capable of withstanding harsh outdoor conditions, snow, ice and dust – a must for anyone running a farm. The six different cameras were installed in strategic locations in order to cover the entire farm site.

All the IP cameras are linked to a network video recorder. At present, the NVR is set to store events going back 7 days. Camera surveillance with recording capability is very useful as you can later on see what has happened on a particular day or at a specific time.

“For me, the most important thing is to make sure that the animals are well. D-Link’s IP Surveillance solution, in combination with the alarm, increases security at the farm and at the same time, I can always make sure my animals are fine.”

Fredrik Andersson, Owner, Tarby Gård

Benefits for Tarby Gard
Today’s surveillance solutions involving IP cameras do not only prevent burglaries. Farmers can also improve their business by, being able to check remotely, that their animals are well and that everything is working as it should. All the different camera models come with a zoom function (x8) which allows the farmer to zoom in on a particular animal or machine.

“I can use my mobile phone or computer to view what is happening on the farm in real time, I can receive notifications if there are any movements or noises and I can view the recordings later on to see what happened at a particular time. We also have a good neighbourhood watch system where we notify one another if suspicious vehicles and people are about. If a neighbour phones me I can...”

The Tarby Gard farm has a long tradition behind it. It dates back to the 1300s and is situated in Vallentuna.

The farm is run by Fredrik Andersson and Marianne Holmström since 1995. Surroundings consist of a green, biologically valuable pastureland that is held open by the farm’s Hereford Cattle.

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now access the site remotely and see if anything has happened. This is invaluable to me and makes me more flexible. The image quality is also really good. I get good images even in the dark, at distances of up to 30-40 metres," says Fredrik Andersson.

The camera's livestream and recorded data can be accessed from free apps on an ordinary smartphone or tablet. Or you can use a computer, using either a fairly simple web interface or D-Link's own surveillance program, D-ViewCam, which is supplied free of charge.

One huge advantage of D-Link being a turnkey supplier of network equipment is that the equipment is optimised to work well with the minimum installation possible, and at the same time the customer only needs one point of contact for support on the technical solution.

**Customer Profile**

Tarby Gård, which keeps 150 cattle, dates back to the 14th century and is situated in Vallentuna. The farm has been run by Fredrik Andersson and Marianne Holmström since 1995. Tarby Gård sells eggs and beef at its farm shop. Locally produced foods are key on the farm, and its animal fodder is grown on the 100 hectares of land belonging to the farm. The farm also handles contract business such as snow clearance, round baling and removal of deep bedding.
D-Link products used at the Tarby Gard Farm