



New shoots of efficiency

Türk Traktör safeguards design data while reducing IT desktop administration by 40 per cent with a zero-client infrastructure

Industrial espionage is a real concern for companies worldwide, and manufacturers are particularly keen to protect their designs from falling into the wrong hands. One business that takes security seriously is Türk Traktör in Turkey. The organisation manufactures around 50,000 tractors and thousands of engines a year and has two sites – one in Ankara, the capital of Turkey, and one in Adapazarı.

Thin clients spell greater protection

As part of a move to enhance security, Türk Traktör wanted to replace workstations and laptops used by design and research and development (R&D) teams. Ergun Özdamar, CIO at Türk Traktör, says: "With the development of thin-client technology, we saw a way to tighten access to that data while making the desktop environment more manageable and cost effective."

Experience and trust prove decisive factors

The company launched a comprehensive review of thin-client technology on the market, eventually choosing to work with Dell. "We've been very satisfied with the performance and service support from Dell. Around 90 per cent of our servers are Dell, and our entire desktop estate, including Dell Precision workstations, has been Dell for some time," comments Esra Tanrikulu Korkmaz, Project Manager at Türk Traktör.

The firm made its decision after a trial of several endpoint devices. Korkmaz says: "We chose the Dell Wyse P25 zero client over competing solutions because Dell endpoint devices provide an easy PCoIP Management Console, and central monitoring and upgrade opportunities for firmware and software. We were also impressed with the compatibility with peripheral devices and VMware Horizon View, as

Customer profile

TürkTraktör

Company	Türk Traktör
Industry	Manufacturing
Country	Turkey
Employees	3,000
Website	www.turktraktor.com.tr

Business need

To enhance protection of its design data, Türk Traktör wanted to move from a traditional desktop environment to a virtualized desktop infrastructure with centralised data.

Solution

The company began the rollout of Dell Wyse P25 zero clients, supported by a back end infrastructure based on Dell PowerEdge technology.

Benefits

- Centralised design data is better protected
- IT management is reduced by 40 per cent for greater productivity
- Client installs are completed in 30 minutes instead of hours
- Designers and R&D staff get faster IT service
- Company is reducing energy consumption across the client estate

Solutions at a glance

- Cloud Client-Computing
- Data Center Virtualization

"We've reduced desktop management time by 40 per cent using the Dell Wyse clients. I, for one, can now focus on improving our IT from a strategic perspective."

Ergun Özdamar, CIO, Türk Traktör

well as the high performance. Through Dell ProSupport, we received the after-sales support we needed. We had a lot of confidence in the support of our local Dell team."

NVIDIA GRID enables flexibility

Türk Traktör engineers work on datasets of varying complexity on software such as PTC Creo and Siemens Teamcenter. With NVIDIA GRID, each client can be configured on-demand with the desired graphics processing unit (GPU) performance depending on a particular project's needs. With NVIDIA GRID-powered solutions, it's also easy to source contractors for engineering tasks when required. "NVIDIA GRID vGPU virtual desktops on VMware give users performance, stability and application compatibility," says Oguzhan Oguz, NVIDIA Country Manager, PSG for Turkey.

A server solution built for virtualized demands

In-house IT administrators designed the back end infrastructure for the clients. They chose four Dell PowerEdge R720 servers with Intel Xeon processors and NVIDIA GRID vGPUs to run the environment's VMware Horizon View software. "We had worked with Dell PowerEdge R720 and R730 servers before and understood how well they supported the processing demands of a virtualized desktop infrastructure," says Özdamar. "The Dell R720 and R730 servers work seamlessly with VMware Horizon View featuring NVIDIA GRID virtualization technology, creating an efficient user experience."

Greater protection for critical data on desktops

According to Özdamar, security is less of a concern as the company rolls out the thin clients to design and R&D teams, as well as new starters.

He says: "All new starters get a Dell Wyse thin client, and when workstations and laptops in the design teams come to the end of their lifecycles, we replace them with the endpoint devices. We have confidence in our devices, which gives us peace of mind."

Enhanced IT efficiency from 40 per cent less management time

Beside security, Türk Traktör has been able to boost the effectiveness of its IT. "We've reduced desktop management time by 40 per cent using the Dell Wyse clients. I, for one, can now focus on improving our IT from a strategic perspective," says Özdamar.

Client installs are completed in 30 minutes instead of hours

Korkmaz gives an example of how much easier the zero clients are to work with – and the better level of service that IT can now give the company. "We can deploy a Dell Wyse P25 in half an hour," she says. Furthermore, with their high performance Teradici PC-over-IP technology, the zero clients give excellent support to key computer-aided design (CAD) software. "Designers get the support they need to deliver great work time after time with our Dell Wyse P25s," Korkmaz adds.

Reducing energy consumption across the client estate

Over time, as the organisation deploys more zero clients, energy consumption across the client estate will drop. "Cost control, and the fact we can cut energy use with our Dell Wyse zero clients is great news for the future of Türk Traktör," comments Özdamar.

Products & Services

Services

Dell ProSupport

Hardware

Dell Wyse P25 zero clients

Dell PowerEdge R720 and R730 servers with Intel Xeon processors and NVIDIA GRID GPUs

Dell P2213 Monitor

Software

VMware Horizon View

NVIDIA GRID vGPU technology (embedded in VMware solution)



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