MCG/DATEL ®

alvarion ®
Your Open WiMAX Choice

Customer: Tekirdag Government Security Department - MOBESE Center
Area: Turkey
Solution: BreezeMAX®
Application: Multisite, centrally managed video surveillance, security for public safety and traffic control

Our Partner

Datel provides complete turnkey solutions for complex public and private sector communication deployments.

The Challenge

To provide the missing communications link in the MOBESE Center's 25 km fiber optic network where fiber optic cables could not be deployed – while maintaining secure, uninterrupted and loss-free communications.

The Solution

WiMAX links using 18 BreezeMAX base stations for over 50 WiMAX CPEs supporting IP cameras and traffic control applications.

The Result

- Enhanced public safety and traffic control in locations where wired lines are not available
- Lower ongoing network costs
- Easily extended the reach of the network with no trenching
- Maintains network uptime requirements
- Fast deployment
- Fast ROI

Istanbul, Turkey

Multisite, centrally-managed video surveillance, security and traffic control system for the Tekirdag Province

" *The people of Tekirdag feel more secure and the system has served as real deterrent to crime. Thanks to the Alvarion WiMAX™ solution, we were able to complete the complex MOBESE project by cost-effectively including open areas that were previously out of reach.* "

About Tekirdag
Tekirdag, a city in Eastern Thrace, is the capital of Tekirdag Province, including the counties of Çorlu and Çerkezköy with a population of approximately 140,000.

About Datateknik and Datel
Datateknik, a Yildiz Holding company, provides hardware, system integration, IT hardware integration, ERP consultancy, mobile solutions, technical support, outsourcing and broadcasting services. Datateknik contracted with **Alvarion partner Datel Technologic Services & Trading Co. Ltd.**, a company that specializes in the management of mid to high volume, complex turnkey projects in communications, to provide products and solutions for the MOBESE project.

The Challenge
This end-to-end security and video surveillance system needed to cover the Tekirdag Province, and the surrounding counties of Çorlu and Çerkezköy – all managed from the MOBESE center. The system controls city entrances and exits with cameras and ANPR (Automatic Number Plate Recognition) systems and enables detection of red light violations and surveillance of public buildings and detention areas – all backed by a call center for central management.

A fiber optic cable infrastructure solution was chosen for its quality, reliability and scalability – as well as the ability to use unoccupied cores for municipal network purposes. Yet there were critical open points, such as road and traffic surveillance, where trenching fiber optic cable was not possible, and so MOBESE officials sought a cost-effective solution to enable connectivity in these gaps.

BreezeMAX antenna

The Solution

Alvarion's cost-effective WiMAX solution was chosen to seamlessly link open areas and the city entrances that could not be trenched for cables to the fiber optic network. Eighteen BreezeMAX base stations and over 50 CPEs were used to overcome the gaps in fiber coverage. The wireless infrastructure enabled deployment of 90 IP based Pelco brand cameras for video surveillance in locations where wired access was impossible or not available. Traffic control was enhanced using ANPR (Automatic Number Plate Recognition), red light and speed violation systems connected to the MOBESE center through a wireless network.

The Result

Alvarion's BreezeMAX WiMAX solution enabled cost-effective completion of the project providing connectivity in remote locations and along busy roadways. Video surveillance and traffic control systems can now be installed on-the-fly where needed to avoid future gaps due to wired coverage limitations.

The Tekirdag Provincial government and its residents benefit less crime and enhanced road safety – today and in the future – thanks to the MOBESE video surveillance and traffic control system's extended reach enabled by Alvarion's network.

*Traffic management
in* Çorlu

www.alvarion.com

About Alvarion

Alvarion (NASDAQ: ALVR) is the largest WiMAX pure-player with the most extensive WiMAX customer base and over 250 commercial deployments around the globe. Committed to growing the WiMAX market, the company offers solutions for a wide range of frequency bands supporting a variety of business cases. Through its OPEN WiMAX strategy, superior IP and OFDMA know-how, and proven ability to deploy end-to-end turnkey WiMAX projects, Alvarion is shaping the new wireless broadband experience.
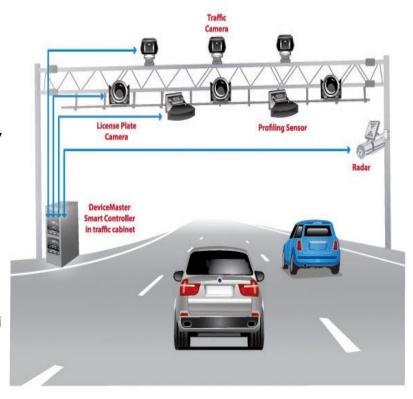
TRAFİK VE KONTROL SİSTEMLERİNDE ORTAK PLATFORM

Comtrol Trafik Teknoljilerine sunmuş olduğu dayanıklı ve yüksek performanslı ürünler ile liderliğini kanıtlamıştır. Özellikle ana arter ve kavşakların monitor edilmesi ve kontrolü, otoyolların gözetim ve denetimi, gişelerin kontrol ve denetimi, park otomasyonu ve daha bir çok uygulama için geliştirdiği özel ürünler entegratörler tarafından yıllardır kullanılmaktadır.

Comtrol DeviceMaster RTS server'lar Ethernet protokolü ile eski tip serial bağlantılı cihaz ea kartları, Comtrol RocketPort multiport serial kartlar arasındaki iletişimi destekler ve ayrıca on-site bağlantı ile otomasyon üniteleri üzerinden trafik kontrol denetimini sağlar.

Otoyol Gişe Otomasyonu

- Otoyol kontrol - Open Road Tolling (ORT)
- Ektronik Bilgi Toplama ve kamera Sistemleri- Electronic Toll Collection (ETC)
- OGS ve Paralı Otoyol Gişeleri - Toll Plazas and Manual Lanes

Akıllı Transport Sitemleri- Intelligent Transportation Systems (ITS)

- Trafik Yönetim Sistemleri- Traffic Management Systems
- Otoyol ve Karayoları Yönetimi- Arterial and Freeway Management
- Anayol kabinetleri Network'leri ve iletişim altyapısı-Roadside Cabinet Networking and Connectivity
- Kavşak yönetimi ve kontrolü- Intersection Management and Control
- Acil durum raporlama ve altyapıları -Emergency Response Infrastructures

Otopark Otomasyou- Parking Automation

- Kapı geçiş ve Kontrol- Gate Access and Control
- Park ücretlendirme ekipmaları- Revenue Equipment
- Hat ve park girişleri, çıkış ekipmanları-Lane Entry and Exit Equipment

COMTROL ÜRÜNLERİ

RocketLinx ES8510-XT ……………………………

Part Number: 32061-6

RocketLinx ES7506 ………………………………..

Part Number: 32050-0

RocketLinx ES8108 ………………………………..

Part Number: 32055-5

RocketLinx MC5001 Single-Mode …………………..

Part Number: 32000-5

RocketPort INFINITY Quad DB9M …………………

Part Number: 30005-2

RocketPort INFINITY 8-Port …………………………

Part Number: 30020-5

RocketPort 8-Port DB25F Interface …………………..

Part Number: 30080-9

RocketPort 16-Port RJ45 Rackmount Interface ………

Part Number: 30055-7

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