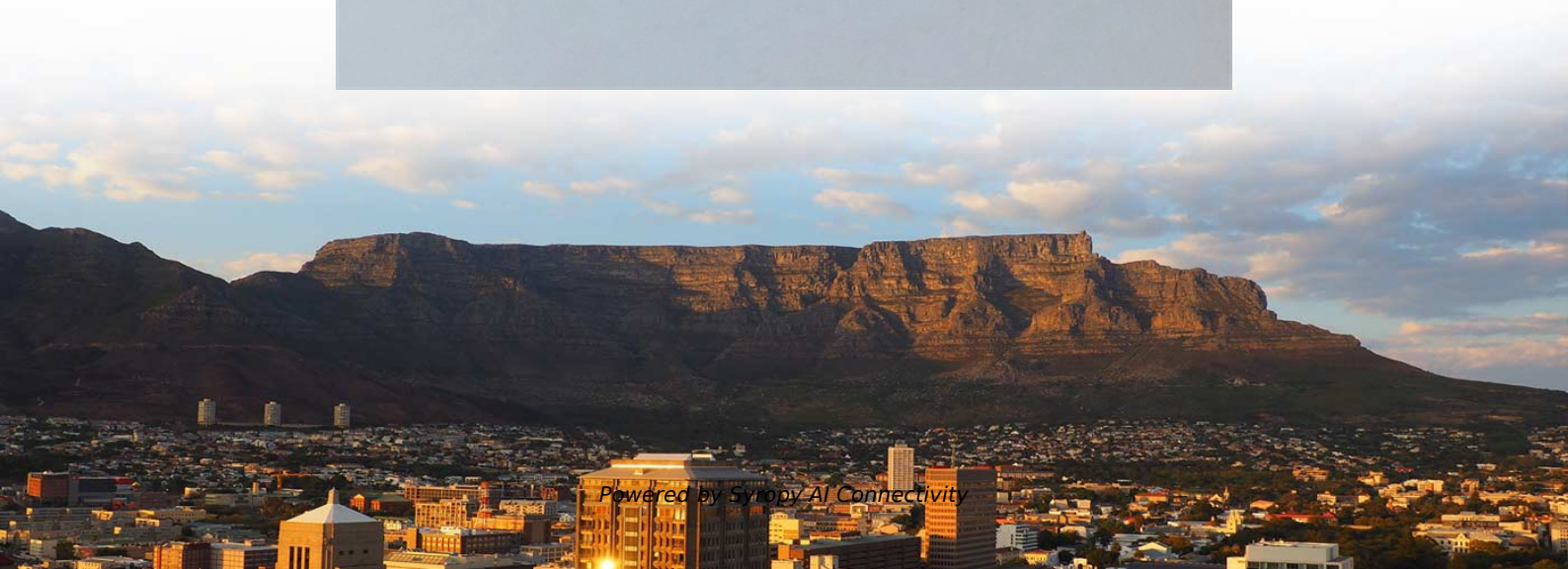


# **Serbia s Upgraded Optoelectronic Convergence Solution**





## Overview

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Telekom Srbija Group, one of the largest and fastest-growing telecommunications operators in Southeast Europe and a digital transformation leader in the Western Balkans, and its subsidiary Mtel are utilizing Ciena's coherent optical solutions to enhance network connectivity between. Serbia's positioning within the European infrastructure landscape is no longer defined by isolated sectors. What is emerging instead is a tightly interlinked system in which green generation, battery storage, data centres and optical connectivity reinforce one another, creating a platform that is. The network upgrade targets higher-capacity, lower-latency transport to support regional traffic growth, 5G readiness.



## Serbia s Upgraded Optoelectronic Convergence Solution

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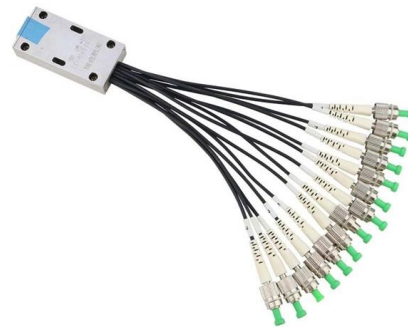


### Economic convergence and the EU single market: Serbia's next

Economic convergence has become one of the defining elements of Serbia's integration with the European Union. While the accession process often focuses on political reforms and

### Realizing Photonics-Electronics-Convergence technology! List of

As Photonics-Electronics-Convergence technology accelerates, optical cables are now being used inside conventional devices such as optical switches. Miniature relay connectors are

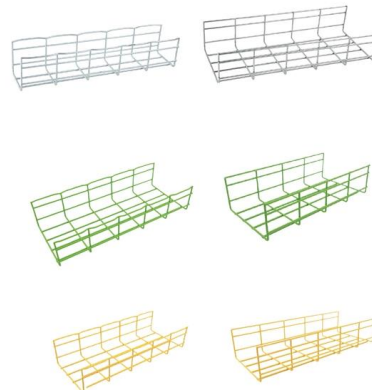


### Digital Innovation Profile Republic of Serbia

Digital Serbia Initiative is a non-profit, non-governmental organisation with the strategic goal of developing a strong, globally competitive digital economy in Serbia.

### Growth Plan for the Western Balkans

Economic convergence is an essential element in getting the Western Balkan partners closer to the EU. The lack of convergence is a major issue for the



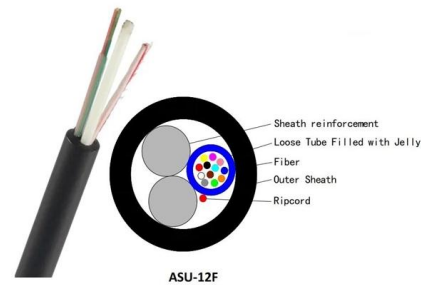
### Tietoevry Banking finalizes major new payment solution

Tietoevry has completed a major systems' upgrade for Chip Card, member of Payten, one of the leading payments processors in the Republic of



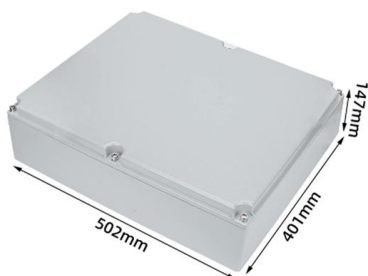
### Serbia's convergence play expands: Battery storage turns energy,

Serbia's positioning within the European infrastructure landscape is no longer defined by isolated sectors. What is emerging instead is a tightly interlinked system in which green generation,



### Annual Convergence Report 2025 - Serbia

ENVIRONMENT: Serbia's environmental convergence remains structurally weak, with all major indicators diverging from EU trends despite isolated annual improvements.



### The Future of Photonics-electronics



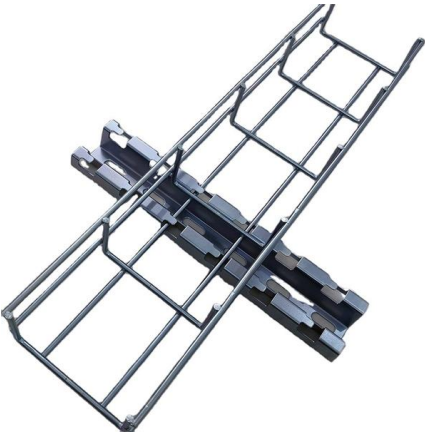
**Convergence**

Although we are not yet using photonics-electronics convergence technology, I believe that achieving optical interconnects with low power consumption at low



**Telekom Srbija Group and its subsidiary Mtel are utilizing Ciena's**

This initiative will support regional growth, future-proof Telekom Srbija's infrastructure, and position Serbia and Bosnia-Herzegovina as vital connectivity hubs within Europe.



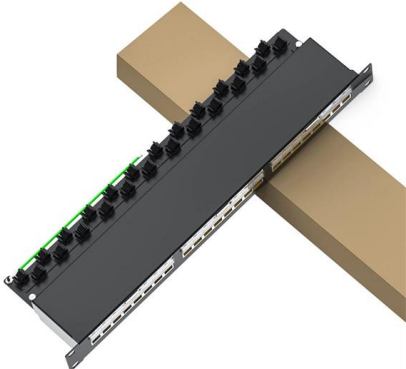
**Annual Convergence Report 2025 - Serbia -**

ENVIRONMENT: Serbia's environmental convergence remains structurally weak, with all major indicators diverging from EU trends despite isolated annual improvements.



**Serbia's Integrated Industrial Stack: Mining, Data Centres and O& M**

Serbia is rapidly evolving beyond a traditional energy and mining narrative into a more complex, interconnected industrial ecosystem where mining operations, data centres, and O& M





### Telekom Srbija, Mtel Upgrade Serbia-Bosnia

This initiative will support regional growth, future-proof Telekom Srbija's infrastructure, and position Serbia and Bosnia-Herzegovina as vital



### SMATSA signs 60 mln euro deal for air navigation

April 17 (SeeNews) - Serbia and Montenegro's air traffic services agency (SMATSA) has signed a 60 million euro (\$68 million) contract with a consortium of airspace

### Telekom Srbija and Mtel Upgrade Cross-Border Optical

Telekom Srbija Group and its subsidiary Mtel deployed new optical transport infrastructure using Ciena technology to strengthen connectivity



### Telekom Srbija and Mtel Pick Ciena to Improve Cross-Border

This initiative will support regional growth, future-proof Telekom Srbija's infrastructure, and position Serbia and Bosnia-Herzegovina as vital connectivity hubs within Europe.

SC connector  X 12



### **Tietoevry Banking finalizes major new payment solution upgrade in Serbia**

Tietoevry completes major systems' upgrade for one of Serbia's leading payment processors. (Helsinki, 28 February 2023) Tietoevry has completed a major systems' upgrade for Chip



### **New company to manufacture "Photonics-Electronics"**

The reason for making it an operating company is that, unlike the conventional network-centered solutions business, "Photonics-Electronics



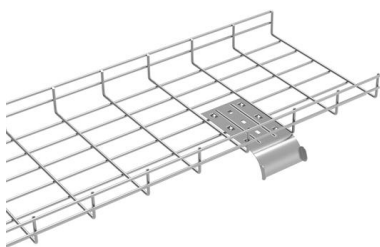
### **Can "Photonics-Electronics Convergence Technology"**

Photonics-Electronics Convergence Technology is garnering attention as a technology that can help solve the power consumption problems of



### **Serbia's convergence play expands: Battery storage turns energy,**

Serbia, aligned with EU frameworks but not yet fully bound by them, offers a transitional environment where cost efficiency and regulatory convergence coexist. The addition of storage





### Serbia's convergence play expands: Battery storage turns energy,

What is emerging instead is a tightly interlinked system in which green generation, battery storage, data centres and optical connectivity reinforce one another, creating a platform that is



### Optoelectronics Group -- ????????????

Optoelectronics Group je grupacija specijalizovanih firmi u okviru kruga Elektronske Industrije u Nisu koje pripadaju Hi Tech programu optoelektronskih tehnologija.

### Tietoevry Banking finalizes major new payment solution

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### Optoelectronics

Trends in the market: In Serbia, the Optoelectronics Market within the Semiconductors sector is experiencing a notable surge in the adoption of energy-efficient lighting solutions, particularly

The information and communication technology (ICT) sector is one of the fastest growing and most competitive industries in Serbia, representing a key driver of economic growth and



**Co-Packaged Optics (CPO): Revolutionizing Data Transfer**

Explore how Co-Packaged Optics (CPO) overcomes traditional interconnect bottlenecks, enabling higher bandwidth and lower power for AI and high-performance computing's future.

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ENVIRONMENT: Serbia's environmental convergence remains structurally weak, with all major indicators diverging from EU trends despite isolated annual improvements.



**Telekom Srbija and Mtel Deploy Ciena Optical Technology to Improve**

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## Contact Us

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