



Benefits

- Align business outcomes with business goals, and translate goals into scalable and defensible architectures.
- Deploy and efficiently maintain a secure, end-to-end transportation solution with strategy, planning, and design guidance early in the engagement.
- Improve cost efficiency, reliability, safety, security, and mobility with rail and mobile broadband systems engineered by leading technology experts.
- Experience optimum performance as a result of comprehensive, pre-tested solutions.
- Maintain high availability, eliminate downtime, and keep your transportation system running at peak performance with ongoing product and solution support after deployment.
- Realize greater business value with an end-to-end, unified approach to business transformation.

Cisco Services for Transportation Smart Solution

Accelerate Business Transformation

Cisco services accelerate your network transformation from multiple proprietary systems to the Cisco®Transportation Smart Solution (TSS) – a converged and far more powerful IP network infrastructure.

With Cisco TSS, you can dramatically improve operational efficiency, safety, and security. Compliance with regulatory requirements becomes much easier. And the ability to offer passengers mobile access to information and entertainment will help attract and retain ridership.

But implementing an end-to-end, connected transportation solution – on time, within budget, and with the maximum value delivered – takes skill and an ongoing focus on business outcomes. Cisco services help you succeed. Our proven, pre-tested solutions and industry leading best practices and methodologies minimize deployment risk and delays.

TSS supports five use cases – connected train, connected trackside, connected station, connected transit, and connected public safety. Whether you deploy one or all of them, our services will accelerate deployment and help facilitate a stronger return on your investment.

An End-to-End Unified Approach: Plan, Build, Manage

We provide a comprehensive, end-to-end, unified approach that focuses on business outcomes to deliver the business value you expect. Services for TSS range from defining a connected transportation strategy and enabling infrastructure readiness, to implementing, optimizing, and supporting your solution. We combine industry-leading networking expertise, best practices, proven methodologies, and strong relationships with leading transportation industry partners to help you maximize success.

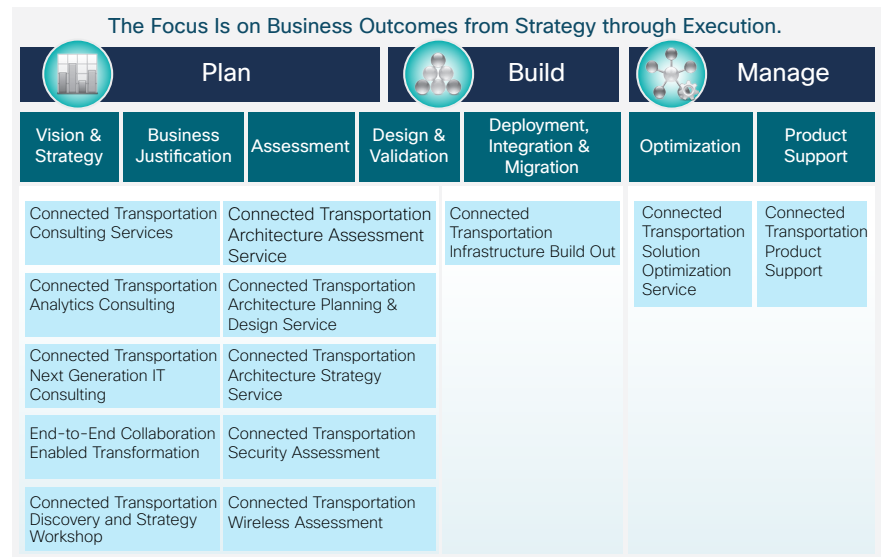
Plan: Help with Strategy and Consultation

Strong planning is fundamental to delivering the specific outcomes you need. Our services help you set expectations correctly, build the roadmap and designs, and define a plan for tracking results and impacts. We correctly identify use cases and requirements and effectively address architecture and security gaps. And we plan for technology trends that you may be unaware of today. Detailed planning accelerates implementation.

Defining an Infrastructure Framework for Leading European Rail Company

- **Situation:** A leading European rail company chose Cisco Services to define a meta model (framework) for designing and architecting a converged IP/MPLS carrier-grade network backbone and IP-based command and control signaling system.
- **Challenge:** The project was highly complex and demanded an innovative approach to overcome the barriers that railway network providers commonly face.
- **Solution:** Working with a range of third-party rail solution providers, Cisco Services provided the strategy, planning, cost modeling, and other services that enabled the rail company to begin piloting vendor-specific projects.
- **Result:** When fully built out, the company anticipates that the new command and control technology will reduce its operational costs by more than 20%.

Cisco Services for Transportation Smart Solution



Cisco Plan services for TSS include:

- Consulting Services
- Analytics Consulting
- Next-generation IT Consulting
- End-to-end Collaboration-enabled Transformation
- Discovery and Strategy Workshop
- Architecture Assessment
- Architecture Planning & Design
- Architecture Strategy
- Security Assessment
- Wireless Assessment

Build: Minimize Deployment Risk

Cisco services, together with certified partners, provide expert assistance to create a converged IP-based Network Implementation Plan (NIP), Ready-For-Use (RFU), and Maintenance Operations Procedure (MOP). Network experts also provide oversight and support to avoid delays and rework. Migration services are included as needed.

Cisco Build services include:

- Infrastructure Build-out

Design and Implement WiFi for Global Rail Company

A leading signaling and control systems provider for high-speed railway lines plans to use Cisco services for designing and implementing its onboard, hi-speed mobile WiFi solution. The company chose Cisco for its rail network architecture and design expertise. Cisco Services engineering teams are known for their core competency to reduce project risk, ensure a thorough design, and accelerate implementation. Just by adding WiFi, the company expects increased ridership to pay back its investment.

Manage: Maintain Continuing Optimal Performance

Cisco services help you maintain operational excellence and efficiency. Solution Optimization fine-tunes your infrastructure and applications on an ongoing basis to maximize system, server, storage, and network performance. Product Support quickly resolves issues with proactive diagnostics and world-class technical support.

Cisco Manage services for TSS include:

- Solution Optimization
- Product Support

Partnering for Industry-leading Expertise

Cisco works closely with a range of partners who specialize in transportation solutions and implementations:

- Turnkey rail and mass transit providers
- Signaling, communications & control systems providers
- Architecture and engineering/EPC firms
- Cisco VARs and Channel Partners

We work closely with all of the leading transportation turnkey providers, system integrators, and transportation consulting firms to provide specific network infrastructure technical expertise. We also subcontract to these partners to provide network strategy, planning, and consultation services, while regional partners cost effectively provide delivery and implementation services.

And we can team with Cisco channel partners who provide ongoing support. Together, Cisco and its broad range of partners cover all areas of transportation and technology expertise.

Why Cisco Services?

Cisco services help you plan, build, and manage your converged IP transportation infrastructure to improve operational efficiency and cost-effectively support your business and system requirements. By providing superior networking expertise and a proven roadmap for the design, deployment, optimization, and support of your connected transportation systems, Cisco services accelerate your transition to an end-to-end, scalable, secure IP solution.

For More Information

Contact your Cisco account manager to discuss how Cisco services can help you accelerate your business transformation.