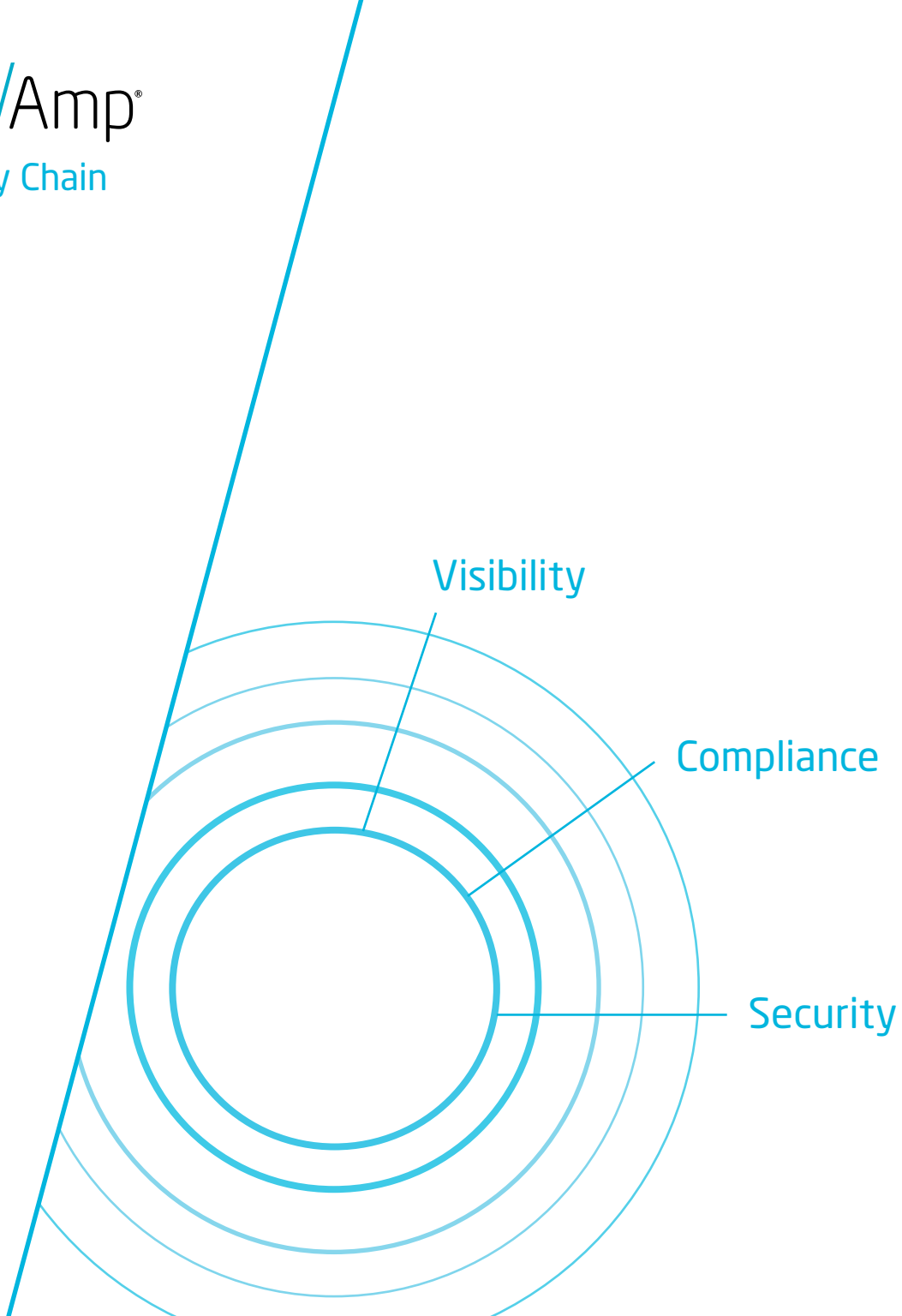


Cal/Amp®  
Supply Chain







# Enabling Connected Supply Chains

Today's corporations face challenges from a number of issues relating to supply chain visibility, risk and performance of shipments. These challenges have significant impact on brand integrity, customer satisfaction and revenue.

The visibility and environmental status of products are more valuable than the assets moving them. Loss of control in your supply chain creates an instability chain reaction throughout your business. CalAmp's Supply Chain solutions enable connectivity for a transparent view of your shipments, along with access to a market leading 24/7 command center.

The data and reports integrate into key business areas that touch various functions of your supply chain, such as electronic shipment surety, to provide an extra level of visibility and security not otherwise available. Our solutions and services enable information sharing and analysis, intelligence, chain of custody and control, covert tracking, monitoring and recovery across multiple modes of transportation.

# Visibly Smarter Logistics

In today's regulatory environment, only knowing that cargo has been shipped and delivered is not enough. There is increasing need for traceability of products and their ingredients through the entire supply chain. This is especially true for perishable products of food and pharmaceuticals. Otherwise, businesses could face non-compliance penalties or even customer loss. CalAmp's Supply Chain solutions help document the chronological history of who handled a shipment and when for a proper chain of custody and control.

CalAmp's SC iOn Tags are smart sensors providing a granular view at the pallet- and package-level into product temperature, humidity, light, shock and movement as the shipment travels through the supply chain. Through these intelligent tags, shippers know how much time the shipment spent on the dock, when it was opened and more. On-demand data and customized alerts help ensure that the shipment remains within regulatory compliance and supply chain governance is maintained.









# Environmental Status of Goods

With increased real-time visibility and threshold alerts, protecting your goods from the point of origin to point of consumption with IoT technology solutions simplify the difficult task of maintaining integrity. Access to status information ensures goods move through the supply chain safely to meet consumer expectations.

Monitoring the health of cool and cold chain shipments in-transit is vital to maintaining the viability and freshness of the cargo. The new smart sensors and devices offer a way to protect the quality and company brand from pick up to delivery with continuous data logging of environmental conditions and excursion notifications.

Through low-cost, sensor-based tags, the information provided helps shippers and carriers comply with regulations such as FSMA, HACCP and GDP as well as shrink freight spoilage from environmental condition excursions. CalAmp's Supply Chain Command Portal offers access to various reports including ones concerning the chain of custody and control. Customers may also choose to work with our 24/7 Command Center.

# Visibility In The Air

Airfreight volume is increasing as consumer demand grows for next-day deliveries, fresh goods and prescriptions. Advancements in IoT technology are rising to meet the challenge and improve supply chain transparency, including in the air. Visibility data helps improve operations, document control of cargo and minimize the risk of loss.

CalAmp's SC1102 tracking device helps eliminates blind spots by allowing for the documentation of the chain of custody and control across all modes. The solution when paired with the Command Portal offers status updates and alert notifications before takeoff and upon landing. The historical data helps companies determine the best mix of modes and carriers.











# Tailored Deliveries

The customized delivery industry is becoming very competitive. Society in general has been creating more and more personalized services from ridesharing services to medicine. At the core, each company needs to make sure the correct package is delivered to the appropriate customer location by the approved time.

CalAmp's Supply Chain solutions help logistics firms and their clients gain access to data on temperature, humidity, light and more with GPS and Bluetooth sensor tags. Having reliable real-time data also allows companies to provide better visibility and customer service at any point en route, including the last mile, with the ability to troubleshoot issues sooner and keep clients informed. Delivery performance can be agile if a customer needs to change the location or time of the drop-off by having real-time visibility and status.

# Visibility & Risk Management

A resilient supply chain relies, in part, on increased visibility and other data points to adapt to the situation at hand. A logistics operation with embedded IoT technology provides an extra layer of security that lets you locate on demand and be alerted of deviations. With access to this critical in-transit information and insight, supply chain managers can hone their operations.

CalAmp offers unique options to access your shipment information and secure high-value freight. The smart sensors and devices provide access to shipment information that offers geospatial pairing to delivery location and tracking device for confirmation down to the pallet- and package-level. Clients can view their information in our Command Portal or choose to work with our 24/7/365 Command Center staffed by experienced industry service agents.





# Assets Optimized

Mixed-use assets such as handtrucks or ladders are essential for completing a project or delivery. Misplacing them and then having to spend time and effort to locate, replace and document the incident can cost your business significant expenses from lost hours of work, to replacement cost and other operational impacts.

Knowing the quantity and utilization of equipment and resources helps companies right-size their inventory and better understand their investment. The information enables a clear chain of control and custody for compliance and deviations. CalAmp's smart sensors and devices are ideal for rugged situations such as shipping ports and construction sites to help your company better manage this operational inventory.





# EDI Integration

Supply chains have many components working together. Shipment information should not be left in a void. It is easier to see trends, troubleshoot and forecast if the data is incorporated into other logistics systems. CalAmp's Supply Chain solutions integrate with Transportation Management Systems (TMS) and Enterprise Resource Planning (ERP) software. This result will provide a comprehensive view of all shipping and cargo information.

- Electronic Shipment Surety (ESS) – ESS enables the auto population of the SC iOn Command Portal shipment tables by interfacing with TMS or ERP systems saving time and eliminated errors.
- Electronic Shipment Information (ESI) – ESI is a single-page snapshot of shipments, including dynamic map and shipment table view that updates as the shipment moves through the supply chain. ESI is secure and can be shared with third parties that do not have access to the SC iOn Command Portal.
- Streaming Shipment Information (SSI) – SSI integration provides real-time shipment information, status and alerting directly from SC iOn to another EDI portal for visualization, data integration or analysis.







# CalAmp Overview



## At the Forefront of the Connected Vehicle Economy and the Emerging Industrial Internet of Machines

CalAmp is a telematics pioneer leading transformation in the connected vehicle and Industrial Internet of Machines marketplace. Through our software applications, scalable cloud services and intelligent devices, we inspire a new world of daring opportunities. Industries like fleet transportation, insurance, consumer goods and construction are discovering new ways to drive productivity with our complete end-to-end telematics solutions.

Our expertise is rooted in our deep knowledge of the complexities of machine-to-machine communications (M2M) and the unique challenges and demands of a wide array of vertical markets. We help reinvent businesses and improve lives around the globe with technology solutions that collect and assess business-critical data from mobile assets, cargo, companies, cities and people. Our solutions play a critical role in protecting valuable assets, optimizing resource utilization and improving road safety.

CalAmp, along with our global network of LoJack licensees and industry partnerships, helps drive business efficiencies on a global scale by simplifying complex mobile IoT deployments and powering autonomous machine interaction leading to increased business efficiency and enhanced road safety.

10M+

connected to device  
management platform

20M+

telematics products  
installed globally

689,000+

software and service  
subscribers



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