



# Securing A Global Pharmaceutical Manufacturer's OT Environment

## THE CHALLENGE:

In order for Taro to maintain their leading position in a competitive market, their main priorities were to improve their visibility into their network activities, automating their asset inventory, and gaining full visibility into external contractors, including remote maintenance traffic. Taro also needed to be compliant with the industry regulatory requirements for their advanced technologies.

## THE OUTCOME:

Increased real-time visibility of all Taro's OT & IoT environments, enabling them to prevent operational downtime, while strengthening their network security, and by maintaining an up-to-date inventory of all their production assets. Additionally, Taro continuously monitors all network activities, has real-time threat detection capabilities, has visibility into remote access activities, and complies with the FDA's strict industry regulations.

Taro manufactures high-quality, proprietary, and off-patent pharmaceuticals in countries such as the US, Canada, and Israel. They also manufacture a wide range of prescription and over-the-counter medicines that are distributed globally in dozens of countries.



Headquarters  
New York, United States



Sector  
Process Manufacturing



Industry  
Pharmaceuticals



Production  
Over 180 drugs, sold in 25 countries

## INCREASED CONNECTIVITY INTRODUCES NEW SECURITY CHALLENGES

Adopting new technologies within Taro's OT & IoT environment has led to a significant increase in the number of devices and the traffic between them. Before implementing the **SCADAfence Platform**, Taro needed to maintain their complex OT network using older, manually-generated asset inventory methods which proved to be challenging, as a series of unexplained incidents were difficult to investigate. Moreover, Taro's security team was aware of the ever-growing OT attack landscape, in which pharmaceutical manufacturers like Merck and Bayer, suffered hundreds of millions of dollars in damages due to attacks on their OT networks.

The fear of a potential attack and the difficulties in controlling OT network activities led Taro's security team to proactively implement a solution that provides them with the required visibility and security while taking into consideration the unique characteristics of their inter-connected OT environment.



*"SCADAfence's accurate asset inventory and visibility tools allowed us to stop using outdated spreadsheets and to completely digitalize our network management."*

**Alex Segal, OT Network Administrator, Taro**

## FINDING THE RIGHT SOLUTION

After evaluating several solutions, including both dedicated OT systems and IT security systems, Taro's security team chose the SCADAfence Platform. Taro felt that the SCADAfence Platform is the ideal solution for their needs as they are provided with continuous monitoring of their OT environments, a deep understanding of OT protocols, and a user interface that is ideal for use by their OT engineering team. The platform also gives Taro's security team the ability to monitor for industrial compliance regulations and provide remote access visibility.

Within hours after the SCADAfence Platform was installed, it immediately started to provide insights into the risks and threats that jeopardized Taro's operational continuity. For example, the platform mapped connectivity between Taro's OT network and the Internet and detected new connections – in real-time. Taro's OT security team also received alerts about deviations from normal operational activities, including remote access connections by 3rd party vendors, and configuration changes on their critical-path industrial controllers.

By integrating SCADAfence's leading OT & IoT security platform, Taro ensures the security and operational continuity of its cutting-edge pharmaceutical manufacturing facilities.



*“Our dynamic and advanced production environment, together with regulator demands such as Track and Trace systems, required a significant improvement in our security capabilities. With SCADAfence, we feel secure while we bring our production environment into the Industrial IoT era.”*

**Itzik Baruch, VP Technical Services, Taro**

## About SCADAfence

SCADAfence is the global technology leader in OT & IoT cybersecurity. SCADAfence offers a full suite of industrial cybersecurity products that provides full coverage of large-scale networks, offering best-in-class network monitoring, asset discovery, governance, remote access, and IoT device security. A Gartner “Cool Vendor” in 2020, SCADAfence delivers proactive security and visibility to some of the world's most complex OT networks, including the largest manufacturing facility in Europe. SCADAfence enables organizations in critical infrastructure, manufacturing, and building management industries to operate securely, reliably, and efficiently. To learn more, visit our [website](#), check out our [blog](#), or follow us on [LinkedIn](#).

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See how Taro uses SCADAfence to achieve these results

See it live