

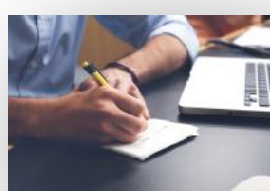
# Manufacturing Case Study

## Customer Problem

Secure connectivity is required from various locations, engineers, technicians, vendors and customers geographically scattered. Providing remote support and control of operational management systems, devices and applications is critical to promote efficiency. The supply chain stems across multiple different companies each with expertise in mass production.

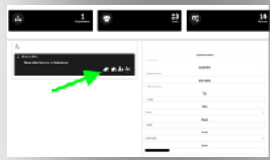
Connection to 3 types of services is required including:

1. PC remote access including (KVM) Keyboard Video Mouse Control with simultaneous local access or view only mode
2. Web application access
3. Video access to individual video cameras, sensors (IoT Devices)



### PROCESS COMPLETED WITHIN 10 MINUTES:

Remote technician located in the Germany requires connection to manufacturing device in a USA facility for monitoring, operation, upgrade and repair.



USA facility administrator accesses simple administration console - add technician, single service, device specific connection - drag and drop.



Technician is presented with a list of only the services they have access to based on certificate credentials and authorization - selects service to connect to - Zero Trust Architecture.



Access granted and encrypted connection brokered dynamically, point-to-point between technician's device and data collection. Can now be added, removed by local service stakeholder.



Connection brokered, point-to-point between technician's device and live video feed overseeing operations or other IoT service. Once complete, technician removed from service.

**Blacksands Secure Connection as a Service is a single, simple solution that provides the above functionality without adding IT personnel.**

### IoT SECURITY

In a world where everything is being connected

### CONNECTIVITY SCALING

- Efficient Management
- Minimal Personnel
- Simple Interface
- Unlimited Connections

### COMPANY DEPLOYMENT

- Installation in Hours
- On-boarding in Minutes
- Connections 8ms
- Self Provisioning Receivers
- VM Ware
- Unique Device Specific Certificates

### CONNECTION MANAGEMENT

- External Authentication & Authorization
- Dynamic Routing
- Point to Point Encryption
- Granular

### SERVICES SUPPORTED

- Web Applications
- IoT Devices
- PC's