



# Allied Telesis Provides High Performance and Simple Management to Major Fertilizer Manufacturer

PT. Pupuk Indonesia, gets a high-performing network upgrade with industry-leading Allied Telesis products and services.

## Customer

### PT. Pupuk Indonesia (Persero)

Founded: 1959

Headquarters: Jakarta, Indonesia

PT. Pupuk Indonesia (Persero) is a state-owned company, and the largest fertilizer producer in Asia. Together with its subsidiaries, the company manufactures, distributes, and sells fertilizers in Indonesia and internationally. PT Pupuk Indonesia produces around 12.6 million tons of fertilizer per year including various types of urea, SP36, ZA, NPK, ZK, and organic fertilizers. It also produces, trades in, and distributes active ingredients of pesticides.

## Challenge

PT. Pupuk Indonesia is one of the largest state-owned companies in Indonesia. When a new SAP Enterprise Resource Planning (ERP) project required new network infrastructure—including datacenter hosting rather than on-premise—the company had three critical objectives: simple operation, easy maintenance, and high availability.

Several industry-leading companies, including Cisco, HPE and Alcatel Lucent were in competition with Allied Telesis for the tender. When PT. Pupuk Indonesia saw a demonstration of Allied Telesis Autonomous Framework™ (AMF), they knew they had found their solution. To seal the deal, the Allied Telesis offering was not only technically superior—it was also better value.



The Allied Telesis solution was the most appealing overall to us, and not just because of the powerful AMF functionality. Allied Telesis offered a unique blend of cutting-edge technology alongside simple functionality, ease of use, and excellent value for money.

**Mr. Mardiyanto**, IT Head, PT. Pupuk Indonesia

## Solution

Allied Telesis designed a high-performing new network solution that has easily addressed PT. Pupuk Indonesia's three major objectives—simple operation, ease of maintenance and high availability.

Two SwitchBlade x908 switches in the network core provide resiliency and high performance. These are stacked using VCStack™, an active-active solution where the network power of both switches is fully utilized, but they are managed as a single virtual device. Network resources are spread across both physical switches, ensuring device and path resiliency. Virtualization of the network core ensures uninterrupted access to the resources and applications housed in the new datacenter.

Allied Telesis DC2552XS/L3 10 Gigabit Top of Rack (ToR) switches connect the SwitchBlade network core with the datacenter servers and storage. 10 Gigabit Ethernet guarantees seamless data transfer for all online systems.





“ Since operation began, our entire network has functioned exactly as planned. The new solution is highly reliable—in over two years we have only had one minor problem, which was rapidly and easily resolved.

**Mr. Mardiyanto**

IT Head, PT. Pupuk Indonesia

AMF provides centralized management to maximize network intelligence and control. With AMF, PT. Pupuk Indonesia gets:

- ▶ The ability to manage many or all network devices at once
- ▶ Automatic backup, recovery and provisioning of new devices as they are added to the network
- ▶ Network intelligence that reacts to changes within the network, and automatically changes the topology if required
- ▶ Reduced time and effort required for network administration, lowering TCO

Further strengthening the new solution, the Allied Telesis AlliedView™ Network Management System (NMS) provides a single graphical view of the network, to enable centralized performance-monitoring, network diagnostics and easy maintenance.

**Success**

The new network was implemented between March and May of 2015, and has been running smoothly ever since. The design and implementation were completed on time, and PT. Pupuk Indonesia have not experienced any system failures whatsoever.

The cost-effective new solution has met all PT. Pupuk Indonesia's requirements, and is prepared for the future adoption of any new technologies. The power of AMF has reduced and simplified network management, and the AlliedView NMS provides a central view of network health. The new solution simply works— supporting all business systems, and enabling new company initiatives.

Allied Telesis is committed to supporting PT. Pupuk Indonesia both now and well into the future, with cutting-edge service and support.

**Featured products**

**AMF**

AMF delivers real and immediate value to businesses by solving one of IT's most pressing needs. It provides a converged infrastructure, where all switches, routers and firewalls can be managed as a single entity, reducing complexity and TCO, and allowing more to be done with less. Powerful features—like auto-backup, auto-recovery, auto-provisioning and auto-upgrade, along with centralized management—enable plug-and-play network expansion and zero-touch recovery.

**AlliedView NMS**

The Allied Telesis AlliedView™ Network Management System (NMS) is a comprehensive tool to administer, operate and provision your network. With a full suite of network provisioning and monitoring tools, AlliedView NMS provides the proactive diagnostics you need to maximize your operational efficiency.

**SwitchBlade x908 Advanced Layer 3 Modular Switch**

The ideal solution for the modern enterprise network core where reliability, resiliency and high performance are the key requirements

**VCStack**

Using Allied Telesis VCStack in a network allows multiple switches to appear as a single virtual chassis. VCStack and link aggregation provide a solution where network resources are spread across the virtual chassis members, ensuring device and path resiliency. Virtualization of the network core ensures uninterrupted access to information when needed.

