

PETRON CCTV APPLICATION OF MOXA IMC-P101-M-SC-T

USING MOXA ETHERNET-TO-FIBER MEDIA CONVERTERS PROVIDE ETHERNET MEDIA CONVERSION FROM 10/100BASE-T(X) TO 100BASEFX WITH POE

APPLICATION:

Connect CCTV camera to IMC-P101-M-SC-T with POE

INDUSTRY:

Oil and Gas

REGION:

Philippines

SYSTEM REQUIREMENTS

- Media converter with POE capability
- Industrial Grade and Rugged design to withstand harsh conditions, such as high temperature , and humidity in Oil& Gas environment
- Replaced the defective Allied Telesis media converter

WHY MOXA?

- All Moxa Ethernet-to-fiber media converters come with a 5-year warranty and long MTBF, making them ideal for mission-critical applications such as in Oil&Gas.
- Moxa provides a complete solution of additional industrial networking solutions to compliment every devices.

INTRODUCTION

Petron Corporation is the largest oil company in the Philippines, operating the country's only remaining refinery. Also a leading player in the Malaysian market, they have a combined refining capacity of 268,000 barrels per day, producing a full range of world-class fuels and petrochemicals to fuel the lives of millions of Filipinos and Malaysians.

Here in the Philippines, they are capable of supplying around 40% of the country's total fuel requirements through the operation of our 180,000 barrel-per-day oil refinery in Bataan. Considered one of the most advanced facilities in the region, the refinery processes crude oil into various petroleum products including gasoline, diesel, LPG, jet fuel, kerosene and petrochemicals.

From Bataan, they move their products mainly by sea to nearly 30 terminals located across the archipelago. Through the robust distribution network, the fuel strategic industries such as power generation, manufacturing, mining, and agribusiness, among others. Petron also supplies jet fuel at key airports to international and domestic carriers.

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WHY MOXA?

- All Moxa Ethernet-to-fiber media converters come with a 5-year warranty and long MTBF (Mean time between failures), making them ideal for mission-critical applications such as in Oil & Gas.
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MOXA SOLUTION

One way to extend the range of a CCTV camera is to use a media converter. Moxa media converters also offer PoE capabilities, which can eliminate the need for power cables at the installation site. Additionally, Moxa media converters can operate in temperatures from -40 to 75 degrees Celsius, making them suitable for a variety of industrial environments.

CCTV monitoring is a very important security operation in the oil and gas industry. Moxa IMC-P101 Ethernet-to-fiber media converters provide a complete solution for industrial Ethernet networks by converting Ethernet media from 10/100BaseT(X) to 100BaseFX (with SC or ST connectors). When used as power source equipment (PSE), these converters can provide up to 30 Watts to powered devices (PDs), eliminating the need for additional wiring. The IMC-P101 converters support IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, and MDI/MDI-X auto-sensing.

PETRON CCTV using IMC-PT101

