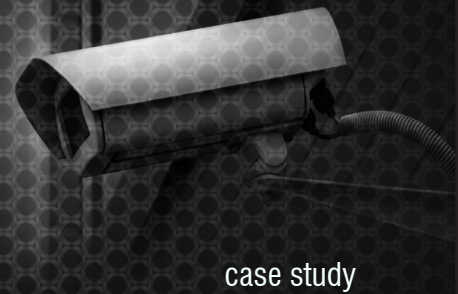


# Oil & Gas System Integration



case study

## Introduction

CMS recently implemented a large-scale CCTV camera project for a leading state controlled Oil & Gas Company. The company was having a tough time monitoring security at multiple nodes across their sites. The lack of integrated monitoring posed a threat to the company in terms of securing its products and ensuring compliance in terms of monitoring and security. In addition to this there had been numerous incidents of theft that were affecting smooth supply chain operations of the company.

While the company had worked with a vendor on this implementation, they were left unhappy with the implementation and discontinued the project. In light of this, the company raised a tender, inviting multiple vendors to bid for the prestigious project. CMS, given its decades of expertise won this tender for the North region and was selected to implement CCTVs and create an integrated monitoring backbone with centralized control across 21 locations in the Northern Indian states including UP, Rajasthan Haryana Jammu & Kashmir, Delhi and so on. There were between 9-27 CCTVs implemented in each of the locations based on site size.



## Challenges

Given the scope of operations and the scale of the sites themselves, the challenge was to go from site to site and survey it to gather implementation requirements. These sites very areas of massive scale, and the CMS team had to cover multiple nodes within the location itself. While the company had shared rough requirements based on they're analysis CMS still had to go in and make a detailed survey for their requirement.

Another set of challenges that CMS faced in light of this implementation was working on an entirely new range of switches that they had not used earlier. In addition to this integrating multiple products together was a challenge.

## Solution

In light of these challenges, the implementation was split into two parts. The first dealt with procuring the CCTVs themselves while the second dealt with their integration into the IT backbone. CMS integrated all these varied CCTV models by working with an open protocol that could be customized to support multiple models thus creating a plug and play environment. This helped facilitate long term cost savings for the company.

CMS ensured that these feeds were compliant to the backup clauses and ensured that feeds are being backed up every 90 days.

An additional benefit that the company found while working with CMS was that the roll out time did not exceed the delivery schedule and was in fact completed well before. The implementation across 21 locations was done in a span of just 6 months, while some of the other vendors who were still struggling in other regions like the West, East, and South to complete their implementations.

## Benefits

- Consolidated dashboard gathering information from 20 blocks gives officials a bird's eye view of the plant
- Increased security
- Fewer incidents of stolen goods
- Complete transparency
- Improved response time to threats
- Tracking barrel transactions at checkpoints like Railway crossings near or at the site
- Power Over Ethernet (PoE) camera's provide innumerable benefits to the client