



## CASE STUDY

### About Heavy Water Plant

Heavy Water Plant, Manuguru is the largest Heavy Water Production facility in India. It is an ISO-9001 (2015) & ISO-14001 (2015) certified organization and is the flagship of Heavy Water Board. The plant has mastered the Girdler sulfide (GS) process to produce Nuclear Grade Heavy Water (D2O). Power & Steam requirements for Heavy Water production are met by its own coal based Captive Power Plant.

### Customer Requirement

Customer was looking for communication solution which can connect two location and use their existing infra for communication. They have P2P Connection between both location, distance between two location is approx. 30 KM. As one location they are using some analog PBX hence wanted to use same cabling for new system also ( to avoid any extra cost )

### Solution Offered

Cohesive offering of Grandstream communication solution has full range of all required products which given confidence to customer that all products and very well integrate with each other and provide hassle free operation. Grandstream IP Intercom along with operator console and hotel room phones can work with Grandstream network devices (switches and access points). Over and above Grandstream networking products has built in controller to manage all devices without any extra cost and IT Department can access all devices on single dash board.

Cohesive offering of Grandstream communication solution which has complete UC application and can connect multiple sites via internet / LAN. Cohesive has given two IP PBX and connected both the PBX through their P2P LAN. One location where customer was using analog PBX, we have given FXS Gateway and used their existing cables and analog phones for communication , other location was new site there we have given IP Phones and POE switches to create LAN for IP Extns. Both the PBX's are connected over P2P LAN and can communicated as an intercom. Apart from that customer also got the advantage of latest UC features along with audio / video conference bridge through PBX.

### About Cohesive Technologies

Cohesive Technologies is a renowned Global Telecom service provider working on the platform of IP and VoIP. We are working with our technology partners like **2N, Akuvox, Akubela, Cyberdata, Epygi, Grandstream, Guardian Telecom, Milesight, Snom, Tonmind, Wi-Tek and Yeastar** who support us in offering innovative products and solutions for the premise or Cloud-based requirements.

## Client Profile

- Organization:** Heavy Water Plant
- Location:** Manuguru, Telangana
- Industry Segment:** Government

## Key Points

- Grandstream communication solution which has complete UC application and can connect multiple sites via internet / LAN.



## Product Used



UCM6301 IPPBX



GWN4224 FXS Gateway & GRP2601P IP Phones



GWN7802P / GWN7803 Network Switches