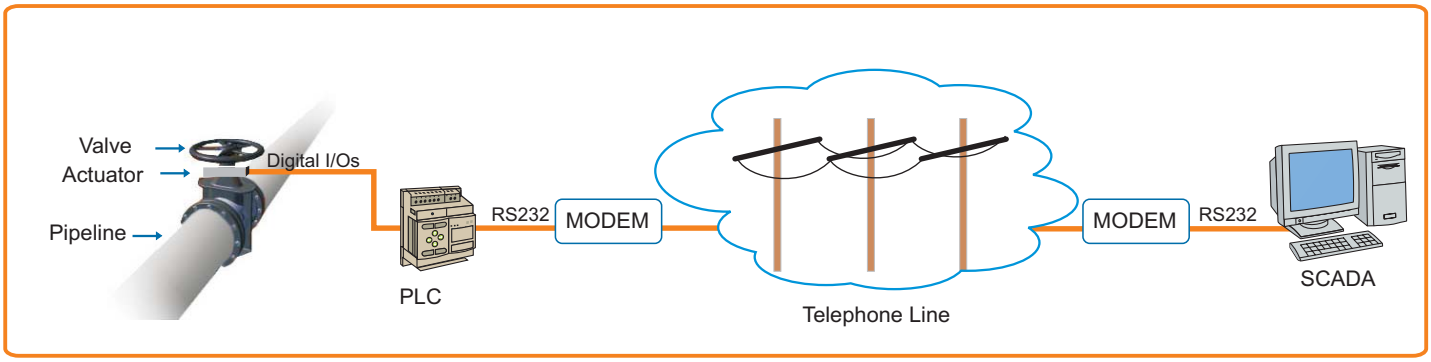
# Fuel & Gas:

## Remote controlling blocking valves in a pipeline

**A** gas company remotely controls several blocking valves, which were located 5 miles away from their control center, using modems and telephone lines. Each valve actuator was connected to digital inputs and outputs of a PLC. PLC's serial port was connected to a modem, linked to another modem in the control center, through conventional telephone lines. That modem connected to a SCADA-driven PLC.




This solution offered a clear drawback, it underlied on a telephone line. When the line run into bad operation, the control depended on the time required by the telephone company to fix the problem. Once, the telephone service did not work for two weeks. During that lapse, a tier had to control the valves manually.

There was a previously installed network that linked the control center and the location where the valves were installed. Thus, they looked for a solution using that structure because it was self-maintained.

**Our solution replaced PLCs, modems and the telephone line with our SSE232-1C4C-IA-MB Serial Modbus to TCP Modbus converter. As a result, our customer achieved an outstanding improvement regarding data processing and reliability.**

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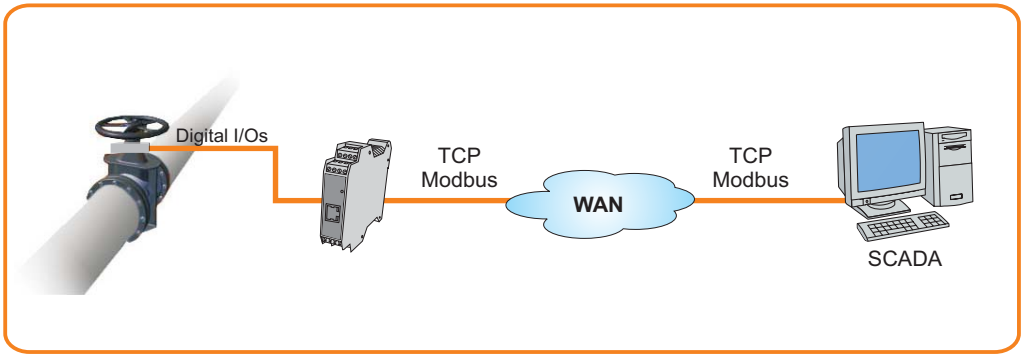
## Benefits

- ➔ Reduced costs related to phone calls and line maintenance.
- ➔ Efficient use of technical personnel.
- ➔ Reduced costs in case of future growth.





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