



Security Solutions

Oil and Gas

Security Trends

- Theft and vandalism is a multi-million dollar per year problem for many of Canada's oil and gas organizations.
- Acts of vandalism are becoming more and more extreme.
- Storage yards at remote sites have been increasingly targeted by thieves due to the strong and growing used equipment market.
- IRP 7 continues to heighten the priority placed on site safety and security.

Our Business is Protecting Yours

Securing people, their businesses, and their homes since 1818, Chubb has been at the forefront of technology for as long as security systems have existed. Chubb products are relied upon worldwide to protect facilities in industrial, financial, commercial, and residential applications. System design, manufacturing, installation, alarm monitoring and comprehensive service programs combine to form Chubb's total security solution.

We understand the security needs of the hydrocarbon recovery industry. Chubb has cost effective, easy-to-use solutions that can be customized to your specific requirements.

Essential Security Considerations for Hydrocarbon Recovery Operations

- **Access Control.** Access Control is the management of who goes where and when. Software maintains a complete record of who is or has been on site.
- **Video Surveillance.** Video Surveillance is used to maintain a record of activity in critical areas and, when placed in clear view, deter acts of crime or vandalism.
- **Intrusion Detection and Alarms.** Intrusion alarm systems are designed to give early detection of unauthorized entry in order to protect inventory, cash, and people.
- **Alarm Monitoring.** Alarm monitoring involves the systematic processing of alarm signals and associated dispatch of local authorities. A variety of technologies are available for communicating signals to and from dedicated Monitoring Centres including digital, cellular, high security and, in the case of extremely remote installations, satellite transmission.
- **Critical Point Monitoring.** Alarm signals can be transmitted if critical process temperatures, pressures, fluid levels, gas emission, or other equipment performance indicators fall outside of prescribed control limits. The early warning of process problems allows corrective action to minimize downtime and safety hazards.
- **Remote Accessibility.** Through TCP/IP WAN, intranet, or dial-up connection, remote locations can be checked from any PC equipped with the appropriate software. For example, the security state of distant compressor stations or unmanned wellheads can be evaluated centrally, eliminating the need to dispatch staff members for site inspections.



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Is Your Facility Adequately Protected?

| Area to be protected | Possible security solution |
|--|---|
| Perimeter of lease or facility <ul style="list-style-type: none"> ▪ Fences ▪ Barrier gates ▪ Vehicle entrances ▪ Access roads | <ul style="list-style-type: none"> ▪ Access control ▪ Cameras ▪ Alarm and detection devices ▪ Electronic locks, Intercoms |
| On-site Assets <ul style="list-style-type: none"> ▪ Processing plant and compressor station equipment ▪ Wellheads, pump jacks, doghouses ▪ Storage areas, battery sites, tool cribs | <ul style="list-style-type: none"> ▪ Access control ▪ Cameras ▪ Alarm and detection devices ▪ Electronic locks |
| Building Interiors and Surroundings <ul style="list-style-type: none"> ▪ Building entrance ▪ Corridors ▪ Work stations ▪ Computer equipment ▪ Parking area | <ul style="list-style-type: none"> ▪ Access control ▪ Cameras ▪ Alarm and detection devices ▪ Emergency station ▪ Intercom |

Our extensive experience has led to the development of best practice security solutions for Oil and Gas operations. We leverage years of industry insight to optimize the return on your security spending.

Cost Effective. Comprehensive Security

Chubb's Monitor AFx system offers a quality, affordable security platform to satisfy access control and intrusion detection needs. Monitor AFx controls access to (and movement through) sensitive areas while maintaining a record of on-location activity. Its modular design allows additional functions to be added at minimal cost should your requirements change. As well, Monitor AFx can be integrated across multiple remote sites and can be combined with Chubb's digital video recording technologies to deliver a single source for security solutions.

ChubbVIEW is Chubb's innovative digital video recording system. With ChubbVIEW, it is possible to visually check on remote sites from a central location with the click of a mouse button. Digital video technology provides high quality images of activity in sensitive locations, all without the complexity of managing video tapes.

Chubb solutions deliver...

- Cost effective protection, including possible favourable impacts on insurance premiums
- Total program customization including consulting, planning, design, and implementation
- Real-time insight into the status of operations, on-site personnel, and facility security
- Local or remote monitoring of alarm events, lock status, and video signals
- A component of your IRP 7 solution, with flexibility to accommodate future requirements
- One integrated system

Each security system can be customized to meet your individual security and cost requirements. Chubb's trained consultants can advise on the options for you and your budget. For more information, please contact Chubb Security Systems at:

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| Edmonton | 1-888-353-7989 |
| Calgary | 1-866-899-9979 |
| Outside Alberta | 1-800-878-2281 |

