Honeywell’s Production Control Center™ automates time consuming tasks, makes information available across the organization, improves remote monitoring and promotes collaboration for a safer, more efficient operation.

**Challenges and Solution**

Oil and gas operators face complex, time consuming work processes to ensure safety and compliance across the operation. Skills shortages, remote, geographically dispersed sites, and regulatory demands add to the challenges of managing operations effectively. Large volumes of data in systems and sources across the operation can overwhelm users and starve operators of actionable information. Data silos and inconsistent information hamper effective, integrated decision making.

Production Control Center is a platform that provides users with tools to promote efficient operations and production management across the enterprise. Its modules automate collection and validation of data; provide simple overviews integrating information from multiple systems, and support better collaboration and control.

Particularly suited to managing offshore operations, it improves remote monitoring, operational efficiency, and integrated operations. The result is a safer, more profitable business.

**Features**

PCC supports a range of applications and modules to simplify common tasks and enable operation centers to collect and contextualize data originating from remote sites. An easy to use web-based and historian-independent design means users both onshore and offshore can access, configure and visualize the information they need.

PCC applications seamlessly share data sources, and can be accessed from a common and secure user interface. Compatibility with portals such as Microsoft® SharePoint™ encourages sharing and collaboration between teams for fast, effective decisions.

Developed for integrated operations and smart-field projects with oil and gas leaders across the globe, PCC is specifically tailored to meet their requirements. Available modules cover a wide range of aspects for effective production management, safety and compliance:

- **Shutdown Analyzer** verifies that shutdown sequences in facilities are functioning as expected. Running in the background, it detects and reports on planned and unplanned shutdowns checking the status for all expected effects sequence in the shutdown system. Boosting safety and efficiency, it eliminates time-consuming manual checks of the ESD/PSD systems and automates documentation for compliance.

- **Safety Valve Scout** verifies safety valves function as expected as required by official authorities. Automating documentation of each time a valve is operated and the resulting status, it detects any valves that fail during operation. Information is
stored in a dedicated Valve History table. Checking, reporting and documentation are simplified and streamlined, with users able run reports on all valves or subsets through a web-based interface.

- **Safety Overview** keeps plant operators fully informed of current and historical blocks, inhibits, disables, suppresses and overrides at the plant for improved safety and fewer unplanned shutdowns. Automatic detection of state changes and new DCS tags provides reliable and clear presentation of safety information to end users, without requiring any manual journaling. Reports present safety statistics for better insight into the operation and to expose problem areas.

- **Barrier Testing** automates data-gathering, analysis and acceptance for barrier tests. Cutting paperwork and simplifying compliance for offshore personnel, it organizes all tests for internal use and government reporting. Users can connect the module to the DCS to automate set up and processing of barrier tests, with users able to simply accept or decline tests based on a trend of pressures and the acceptance criteria. All calculations are automatically completed and stored in a database for easy access by other applications and authorized users.

- **Censeo** workflow based collaboration that helps organizations source, merge, validate and approve data for reports, and publish information. Review and verification tools ensure the integrity of operational and financial information used for compliance or financial reporting purposes. Where appropriate, associated components can be included for KPI reports and ERP integration to promote continuous improvement in the business.

- **Production Testing** provides more accurate well tests while relieving operators of time-consuming well test processing tasks. An automatic routing feature assigns the correct wells to each completed well test, and presents users with a custom trend with all relevant parameters from which to select the time periods for calculations. These are completed automatically and stored in a database, accessible to all authorized users.

- **SVA Reports**

A range of other modules for better safety and production management are also available like Transmitter Scout, Production Event Analyzer, Well Monitoring, and Production Overview.

**Benefits**

PCC simplifies and eliminates time consuming tasks while improving remote monitoring and promoting collaboration. It makes data available across the operation, eliminating human error, establishing a single version of the truth, and improving decision making. Automatic collection, verification and reporting improve safety and cut the burden of compliance, leaving operators free to focus on critical exceptions.

Using its simple, web-based interface, users can harness expertise and information from across the organization to achieve major improvements in the operation:

- Increased operator effectiveness
- Reduced downtime
- Increased operations safety
- Standardized, simplified work processes
- Optimized maintenance

Scalable for enterprise-wide and multi-site use, new modules can be purchased and plugged in at any time in line with e-field initiatives.
Support Services
This product comes with worldwide, premium support services through our Benefits Guardianship Program (BGP). BGP is designed to help our customers improve and extend the usage of their software applications and the benefits they deliver, ultimately maintaining and safeguarding their software investment.

Well Monitoring

For More Information
Learn more about how Honeywell’s Production Control Center can automate time consuming tasks, visit our website www.honeywellprocess.com/software or contact your Honeywell account manager.

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