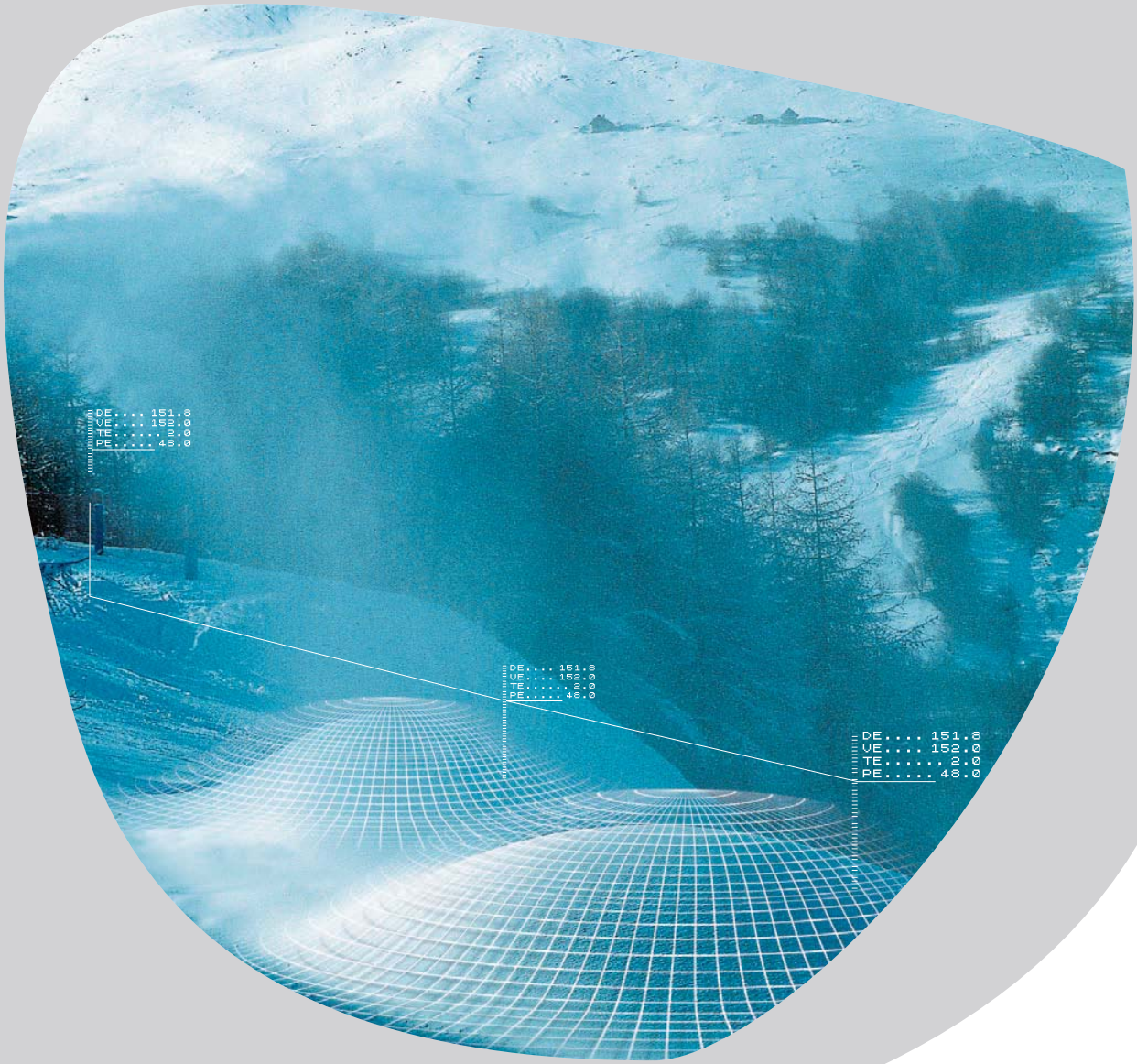
Liberty

Total Snow control

Liberty is a self-regulating autonomous system for snowmaking management – the product of Johnson Cotrols Neige technology and experience in the field of automated process control



SNOW PROCESS

Johnson Controls

Liberty

Total Snow control

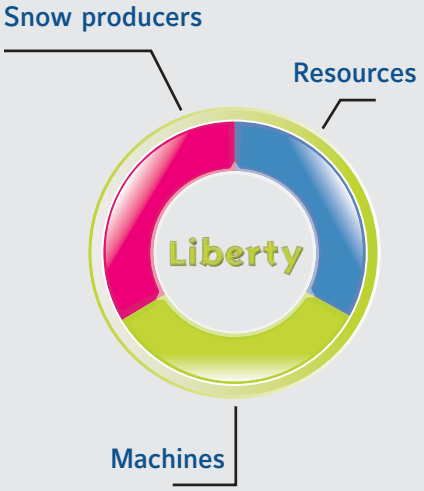
The continuous centralized monitoring of operating parameters and local weather conditions

facilitates proactive adjustments to the system. **The SNOCOM high-speed network**, the backbone of the snowmaking facility, provides an ultra-fast link between the computer and on-slope snow-producer shelters, as well as with all of the system's various elements in the machine rooms, via YPLC programmable controllers.

Liberty, with its cutting-edge technology, will become the virtual "intelligent" core of your system, **ensuring optimal management of the entire range of resources** – including both equipment (i.e. pumps, compressors valves, snow producers etc.) and elements of production (air and water). The continuous adaptation of these resources to needs, as well as decision-support tools, ensure the production of just the right amount and quality of snow.

Liberty & Johnson Controls Neige Automated snowmaking

The high-performance engine at the heart of your snowmaking system

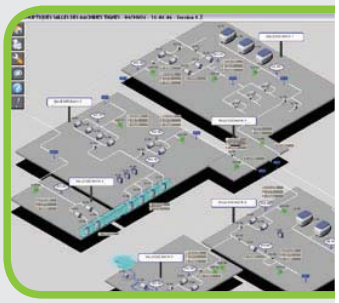


Efficient

- Coordinates the operation of all elements of your system
- A proactive system that gathers and processes data, anticipates and makes adjustments, etc.
- Manages and coordinates multiple simultaneous operating modes
- Provides quick access to and display of information

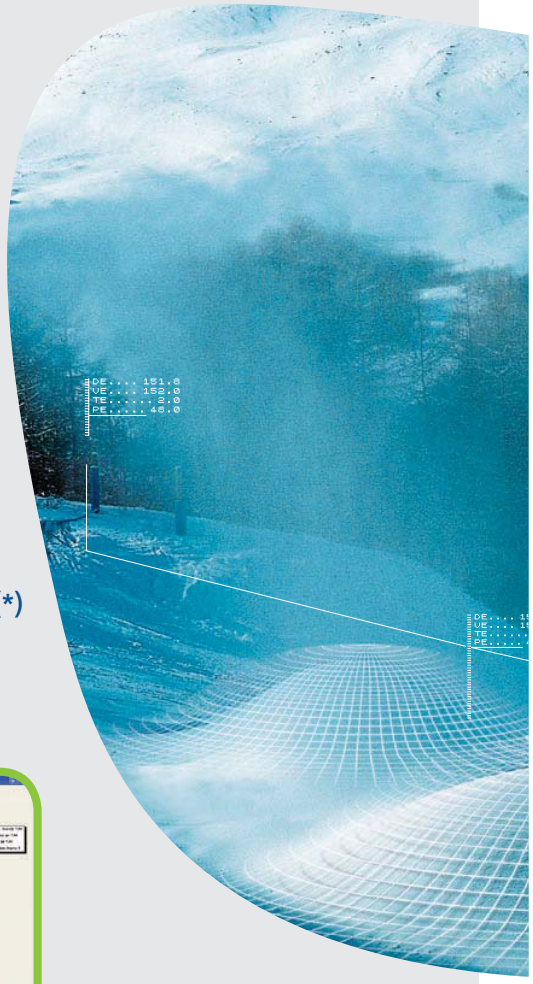
User-friendly & ergonomic

- A Windows-based platfor
- No specialized computing knowledge required
- You access data and menu with one simple click
- Overall view of parameter simple colour codes (ski-run graphics, machine graphics and data, etc.)
- Double screen configurati (trail overview and machir room data or custom view MR Viewer, YUKI...



As a result of the optimal utilization of resources, the operator can both fully control snowmaking costs and contribute to the conservation of available resources. **Liberty provides the maximum degree of control over snowmaking operations** by supporting **multi-configuration modes**, such as filling of reservoirs during snow production, gravity modes and partial high-pressure boosters modes...

As the true heart of the system, Liberty provides full control over all operating features and parameters. The user can simultaneously manage **snow quality and production quotas in each shelter**, as well as the operating schedule and priority assigned to the different machines **and slopes, and the generation and automatic export of statistical reports** (i.e. daily production report, reports on conditions and operating parameters), or take advantage of **production support and maintenance management** features.



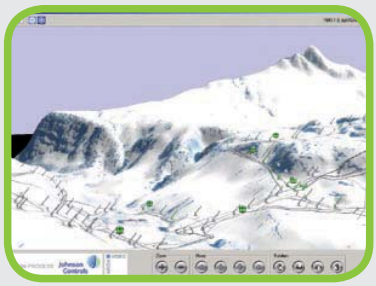
Adaptable & scalable

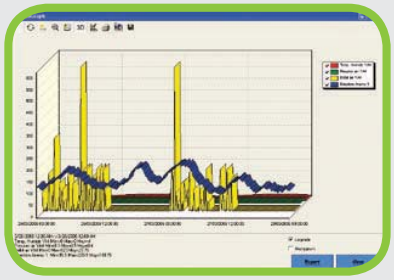
- From simple solutions to large complex systems
- Identifies specific features of the installation and the site (i.e. multiple operating programs, reservoir filling, transient states, etc.)
- Upward compatibility and updating
- Compatible with all types of snow producers (from both Johnson Controls Neige and other manufacturers)

Connectivity

- Radio link
- Fibre optic connection (*)
- Alert by SMS : ALERT(*)
- Statistical export and operating reports: Sno-Report
- Remote diagnosis, support and service
- Remote supervision : Enriko(*)
- Internal network (*)

* optional





Johnson Controls

Liberty

Total Snow control

- Manages systems of all sizes – from one to more than 700 snow guns
- Optimal management of resources, specifically adapted to local operating constraints
- Powerful operating features supporting simultaneous operating modes and multiple configurations
- A range of support tools for production and snow cover management
- Sturdy, reliable and scalable

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