



SmartCenter™ Information System



SmartCenter™ is a dynamic web based information system from Pas Reform that gathers real-time data, to deliver unrivalled uniformity in management and operation at every level in the modern hatchery

Consumers are increasingly concerned about the origin and safety of their food, and to meet these concerns, today's retailers and fast food chains demand complete traceability from their suppliers, especially when choosing fresh produce, meat and poultry products.

SmartCenter™ has been created to cater for a very demanding future, where meeting these demands shapes the success of the modern hatchery; and where by maximising uniformity through every level of hatchery management – you achieve reliable performance and uniformity in your product.

From batches of hatching eggs and day old chicks, to incubators, hatchery automation systems and climate control systems, SmartCenter's™ powerful, central database streamlines and improves control in the hatchery.





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SmartCenter™ registers the movement of hatching eggs, alerts you automatically to alarm events, provides a preventative hatchery maintenance management program and allows the full customisation of different incubation programmes.

SmartCenter™ has been developed not only to maximise performance and results. It is also a safety net. When you consider that a simple, unidentified equipment failure could cost the lives of millions of chicks within hours – it makes sense to have a comprehensive, reliable system in place – to minimise any ill effects as quickly as possible. SmartCenter™ actively contributes to achieving operational reliability, greater productivity and increased uptime.

For greater efficiencies and new levels of uniformity that have a real impact on your bottom line, SmartCenter™ actively and economically enables you to meet all these demands, today and tomorrow.

SmartCenter™ - at a glance

Three main program tiers provide rapid access to SmartCenter's™ complete information system:

Hatchery Operations, to continuously monitor incubators and hatchery automation and climate control systems, and fine-tune settings to ensure that optimum incubation conditions are maintained at all times.

Hatchery Management, to support the management of key functions, ranging from track & trace, alarm management and maintenance to breed specific incubation programming.

Hatchery Analysis, to query production activities and associated information, and to produce management reports for sharing in real time for analysis and decision-making purposes.



Track & Trace registers every movement of hatching eggs in the hatchery, from their point of origin right through to receipt by the customer



SmartCenter's™ Maintenance module delivers a fully supported preventative maintenance programme



Records from the Hatchery Analysis menu can be used to actively improve incubation processes and results





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Technical Specifications

System data

Processor	Latest Pentium based CPU
Memory	8GB Compact Flash
Operating system	Suse Linux 9.3

Operating console

Display	15-inch TFT screen
Resolution	1024 x 768; 16 million colors
Measurements (wxhxd)	640 x 1961 x 240
Input device	88 key US layout RVS keyboard incl. trackball (IP65/NEMA6)

Connections

1 x LAN	For communication with office network and/or internet
1 x LAN	For communication with a maximum of 250 SmartDrive™ user interfaces
4 x RS485	For communication with a maximum of 4 x 32 Navigator or HOM user interfaces
1 x Output	Potential free alarm contact (NC), for external buzzer, horn, etc.
6 x Inputs	6 auxiliary inputs for free use (NC), for connection to specific Hatchery Automation or Climate Control Systems, etc.
1 x modem	Voice alarm message through analog modem

Installation requirements

Internet	Fixed internet IP (ADSL or cable), with ports 2020 and 2022 forwarded to SmartCenter™
Power	230 Volt, 50/60 Hz + ground
Cables	To Navigator or HOM: 3 x 2 x 0.34 mm ² shielded To SmartDrive™; cat.5 Ethernet cable To Backup alarm: 2 x 1 mm ²
Phone line	Analog phone line for voice alarm message system

Security values

Trough local internet	User name + password
Through Internet	User name + password, Secure SSL internet connection, Only accessible with computer with installed, SSL certificate, IP filter which can grant/deny access to SmartCenter™ web pages

In our commitment to quality improvement through continuous research, we reserve the right to alter the specifications of our products without notice.

