

# Ruby 360

INTEGRATED AGRICULTURAL SOLUTIONS

CONTROLS



POULTRY  
EQUIPMENT



CLIMATE &  
VENTILATION



LIGHTING

ENERGY



WEIGHING



■ ■ ■ **SPRING 2020**  
PRODUCT CATALOG

1-888-218-7829

[ruby360.ca](http://ruby360.ca)

**HISTORY**

With roots dating back as far as 1947, Ruby360 provides integrated agricultural solutions within Canada and the USA. We have strong relationships with the manufacturers we represent from North America and Europe to offer highly efficient, durable products.

Ruby360 is dedicated as your partner to provide innovative solutions specific to your needs. The welfare of your animals, your staff and the environment are at the forefront of our decision-making process when designing solutions.

Allow us to seamlessly bring together your equipment, climate/ventilation, renewable energy and control systems for your farm.

**MISSION**

Ruby360 is a family business striving to exceed our customers' expectations by distributing quality and innovative solutions to its agricultural customers throughout North America. Our dedicated employees will provide our solutions on time and on budget. We will focus on process and results for long term sustainability.

**VISION**

The primary vision of Ruby360 is to be a premium turnkey distributor of equipment, controls, climate/ventilation systems and renewable energy for the North American agricultural sector.



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40 Woodstock St. N  
Tavistock, Ontario  
Canada N0B 2R0  
Phone: 1-888-218-7829  
Email: sales@ruby360.ca

[ruby360.ca](http://ruby360.ca)

**Regional Sales Representatives**

**Quebec, New Brunswick & Eastern Ontario**

**Jacques Plante**  
Saint-Hyacinthe, Quebec  
Canada J2R J2T  
Phone: 514-232-2539  
Email: jacques@ruby360.ca

**Alberta & Saskatchewan**

**Lance Fluckiger**  
Leduc, Alberta  
Canada  
Phone: 587-926-0090  
Email: lancen@fluckigercarpentry.com  
fluckigercarpentry.ca



# SALMET®

Cage Free. Enriched. Broilers. and More.



**Combi Barn**  
Aviary System

Combines easy management and animal welfare resulting in the highest laying performance.



**Classic Nest**  
Traditional Aviary System

Traditional laying nest to achieve the highest amount of consumption eggs.



**PS 2800**  
Layer Breeder

Designed to maximize hatching egg production and fertility. The PS 2800 layer cage is for parent stock.



**AGK 3600**  
Enriched Colony System

Salmet's AGK 3600 is an enriched colony system for layer operations. It meets all Canadian regulations, provides maximum bird comfort and feed conversion.



**High Rise 3**  
Aviary System

Combines easy management and animal welfare resulting in the highest laying performance.



**S1000**  
Rearing System

Rearing system which gives layers the optimal start in the conventional cage system.



**Breedio**  
Layer Breeder Nest

The Breedio nest is developed as a bird friendly, high performance system resulting in the maximum number of hatching eggs.



**Salmet Egg Lift**

Salmet's Egg Lift collection system. Available up to 4 tiers.



**Salmet Malteser Elevator**

Salmet's Malteser Elevator egg collection system. Compatible with Salmet's enriched and cage systems.



**Pedigrow 2**  
Cage Free Chick School

All day-old-chicks are smoothly prepared for their natural abilities like climbing-training and rearing and become well adapted to their eventual laying facilities.



**AVAILABLE OPTIONS**

- Raised legs with closing grit
- Rear wall top tier
- Additional perches on top tier
- Closed top tier



**All in One**  
Aviary System

The thoroughly tested All-In-One aviary system combines animal welfare and the highest laying performance.



**Salmet Egg Counter**

Salmet's mechanical egg counter tracks egg production, giving you the ability to maximize your flock's performance.



**Feed Chain**

Available on all Salmet systems. Even feed distribution 2 3/4" flat chain system

- Proven design
- Low maintenance



**Feed Wagon**

Available on Salmet enriched & pullet systems

- Low energy
- High efficiency
- Even feed distribution



### Poultry Check Cart

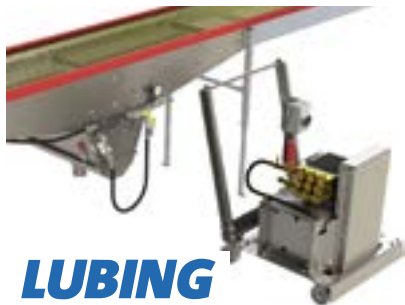
Designed for egg layer barns. Check cart controls are made by Ruby360 and feature heavy duty electric fork lift solenoids capable of handling heavy amperage. Foot switch controls are available for each level as well as a manual push button to assist with walking the unit around the ends of rows.

For more details visit [ruby360.ca](http://ruby360.ca)



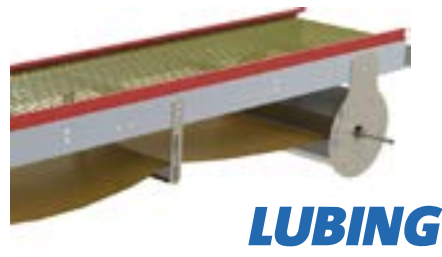
### Lubing Cuved Egg Conveyor

The flexibility of its design allows this system to be adapted to nearly any imaginable configuration with curves, angles, heights and distances.



### Lubing SprayCabinet

With the increasing concerns over biosecurity and disease control, the all-new Lubing SprayCabinet System is an excellent addition to any layer operation.



### Lubing DripCanopy

The LUBING DripCanopy System is an excellent addition to any curve conveyor system. It's a simple solution to help maintain a cleaner environment and makes end-of-day cleaning a cinch.



### Salmet Egg Cross Conveyor

The conveyor is extremely durable and allows a very gentle handling of the eggs. The egg cross conveyor is convenient for short and long distances.



### Black Out Windows

These blackout windows are designed to perfectly control the daylight entry into your barn. The windows can be steplessly blacked out from 0-100%. This system works with integrated counter rotating valves, so that all moving parts are protected against dust and/or moisture.

### Pop Doors

The pop-hole door is self-closing and is opened through a motor. By working with multiple doors per department it is possible to close a number of doors in cold periods.

### TESTIMONIAL



**Pierre Dubois**  
Alfred Couture Ltd.  
Director, Aviary Division

"We are very satisfied with our enriched cage systems from Salmet. We chose this option for its design and durability. We would recommend this system to more egg producers. Performance and satisfaction is guaranteed."



### Spare Parts

At Ruby360 Headquarters in Tavistock, Ontario we have a 5,000 square foot warehouse housing a vast inventory of spare parts.

Ruby360 is your source for **Salmet spare parts** for North America as well as critical parts for all of our other supply partners.

Contact Ruby360 After-Sales Support

Email: [sales@ruby360.ca](mailto:sales@ruby360.ca)

Phone: 1-888-218-7829



### Training poultry farm management

Training of your poultry house specialists and managers is extremely important to get the utmost out of your SALMET equipment. Therefore Salmet is offering several training courses on:

- poultry farm management
- poultry production technology
- and much more...

Contact Ruby360 for more information

# PIGSCALE™

Automatic weighing your pigs



## PIGSCALE™

### PigScale

To ensure the continuity of your pig farm, you as an agricultural entrepreneur should continuously improve operating efficiency while ensuring the lowest possible production costs. The genetic potential of each individual pig, should be maximized at minimal costs.

You can find more of our product offering for the swine industry in the following sections:

- Ventilation Equipment Page 10
- Controls Equipment Page 13
- Heating Equipment Page 17
- Lighting Equipment Page 18



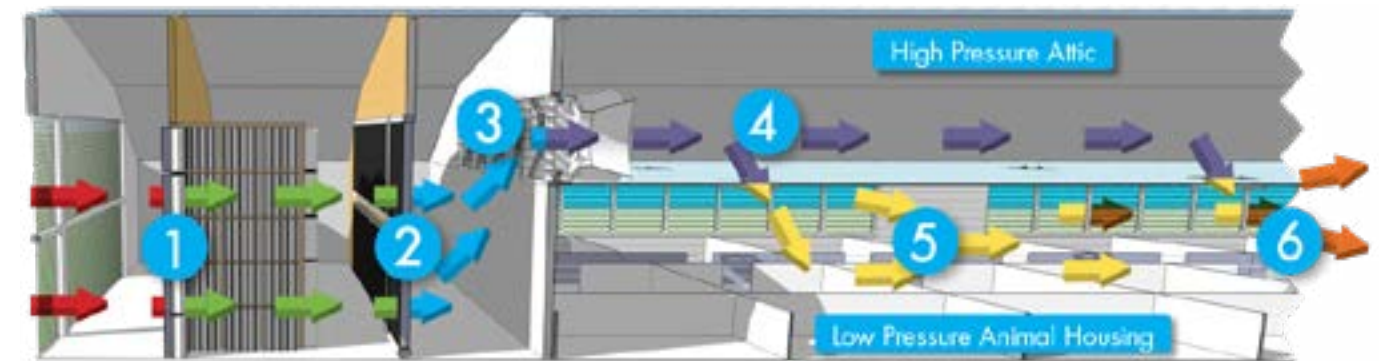
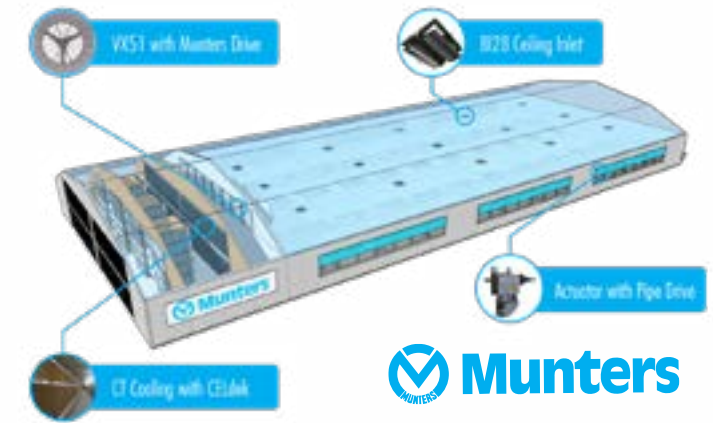
# Ruby 360

INTEGRATED AGRICULTURAL SOLUTIONS

Let Ruby360 be your partner in the ultimate ventilation system

## Positive Pressure Filtered Swine Facilities

Munters has been designing and refining filtered swine facility ventilation for many years. Our design engineers have worked with some of the top hog producers in the world leading us to our Positive Pressure Ventilation Design. This is not a new concept. In fact, Munters/Aerotech was designing positive pressure systems nearly 50 years ago. However, with the development of filtration for animal health, positive pressure gives you the best results for healthy livestock. Our latest design incorporates filters, cooling, Munters Drive VX Fans, BI28 Inlets and actuated outlet walls. All carefully engineered to create a Positive Pressure Ventilation System that will protect your animals.



### The System

1. Outdoor unfiltered ambient temperature air passes through filter wall, removing airborne pathogens
2. Filtered air passes through cooling wall, cooling the air to the perfect temperature.
3. Munters Drive VX fans precisely pressurize the attic with filtered & cooled air.
4. Ventilation flows through BI28 Inlets responding to pressure difference from the attic to Animal Housing, maintaining a consistent pressure difference between the attic and animal housing.
5. Munters backdraft shutters prevent pressure drops and back drafts in windy conditions.
6. Actuator with pipe drive system adjusts curtain openings to maintain constant room pressure and provide outlet for metabolic gases and moisture.

Talk to us about our solution for filtered air to help assist you in the prevention of PRRS, PED virus, influenza and Mycoplasma hyopneumoniae



# Munters

Your Perfect Climate



### Vario

#### Circulation Fans

Engineered to mix large volumes of air and provide even temperatures throughout your facility.



### DB Series

#### Light Trap

Light trap Modules provide the highest reduction with the lowest pressure drop for your blackout, brownout, or other dark ventilation needs.



### AT Series

#### Circulations Fans

Munters high volume recirculation fans maintain steady airflow in your building which provides fresh air, reduces condensation and equalizes temperatures.



### Extraction & Circulation Fans with Munters Drive

Munters has engineered the latest advancement in motor technology by developing this unique motor drive system. It is designed for high performance and low energy consumption. The revolutionary motor offers up to a 40% reduction in electrical usage and is nearly maintenance free, helping to reduce your carbon foot print, save money and usher in a "greener" approach to agricultural and horticultural ventilation.

- Reduce fan energy costs up to 40%
- Nearly Maintenance Free - No Bearing maintenance, No belt replacement, No tensioner.
- Reduce your carbon footprint
- Patent Pending
- Qualifies for energy rebates



### BA4000 Curtain Machine

Use heavy-duty, long travel actuators to operate curtains or air inlet baffles. The 4,000 lb. capacity reduces the number of machines needed for longer buildings.



### BI Attic Inlets

The BI Series bi-flow ceiling inlet with an all new design created using the latest in computer aerodynamic modeling.



### MI4 Inlet

The contaminated stable air is optimally transported outside with the proven REVENTA® ventilation system. Irrespective of the individual farm size, the REVENTA® meets all requirements for an efficient exhaust air system.



### VX Series

The VX Aerotech fan series is Munters premium exhaust fan line. Our engineers understand the harsh environments in which VX fans must perform and have designed the series to optimize both performance and quality.



### WM Series

WM Series is the newest addition to our fiberglass fan line. Munters has been producing high quality corrosion resistant, rugged and durable fiberglass fans for over 40 years. WM Series is a lower cost alternative to the industry leading Aerotech VX-fiberglass fan series.



### GB Series

#### Circulation Fans

The GB series is available with direct or belt drives, galvanized steel housings, galvanized front and rear wire guards. Twin eye-bolts permit easy hanging for in-house air circulation.



### PB Air Inlet

Air inlets provide a fresh air supply over a wide static pressure range. The frame is a corrosion resistant PVC.



### Pivot Air Ceiling Inlet

The Pivot Air Inlet system is designed to give the grower precise control over incoming fresh air. The complete system is designed to combine the NEW Pivot Air Inlets, the IA Actuator along with the Munters PipeDrive.



### Tunnel Doors

Tunnel doors help increase the productivity of your building. These high performance, low maintenance and easy installation doors are the alternative to tunnel curtains.



**Safe-Let1000 Inlet**

The Safe Let 1000 inlet is Ideal for larger airflow requirements, such as Cage Free Layer applications . The Safe Let 1000 is constructed of a PVC frame and a well insulated durable polyurethane rigid foam door.



**ZEW Professional 2900**

Through its unique geometry, the coming together of cold fresh air and moist warm building air is displaced to areas in which no negative effects on functionality will occur.



**Reventa Chimney Fans**

The contaminated stable air is optimally transported outside with the proven REVENTA® ventilation system. Irrespective of the individual farm size, the REVENTA® meets all requirements for an efficient exhaust air system.

**Ruby 360**  
INTEGRATED AGRICULTURAL SOLUTIONS



**Ruby360 Integrated Controls**

Ruby360 Integrated Controls bring your equipment, climate/ventilation and renewable energy together seamlessly in a single control panel for ease of management and control of your facility.

Ruby360 specializes in fully customized integrated control panels. All systems are built and designed in house using quality components and programmed to suit your needs. Each panel is created with a unique label design using our in-house plotter system.

- Our efficient panel shop is designed to get your jobs done quickly and professionally.
- Ruby360 is fully experienced in handling any size of project
- We produce quality control systems following Kaizen practices
- Each panel is built with a complete manual controls for emergency situations and servicing capabilities

**PROVIDING CONTROLS FOR**

- Automated feeding
- Feed mixing
- Manure conveying
- Egg collection
- Egg flow control & counting
- Water flush valve automation
- Ventilation
- Heating & cooling
- Variable speed inverters
- Soft starts
- Lighting
- Alarm Systems

We understand the complexity of modern farming and have the ability and experience to build custom control systems for your integrated applications.





### Manual Flush Control

Semi-Automatic flush control system includes on/off switches for each row, controlling 2 tiers at a time (also available in custom configurations).

Green lights are included to indicate when the valves are open. Full electrical drawings provided, system fully-tested and ESA approved.

Semi-automatic and fully automatic systems available. Systems can include up to 40 valves.

To make your flush control system automatic add in the **Rain Dial®-R**



### ALSO AVAILABLE

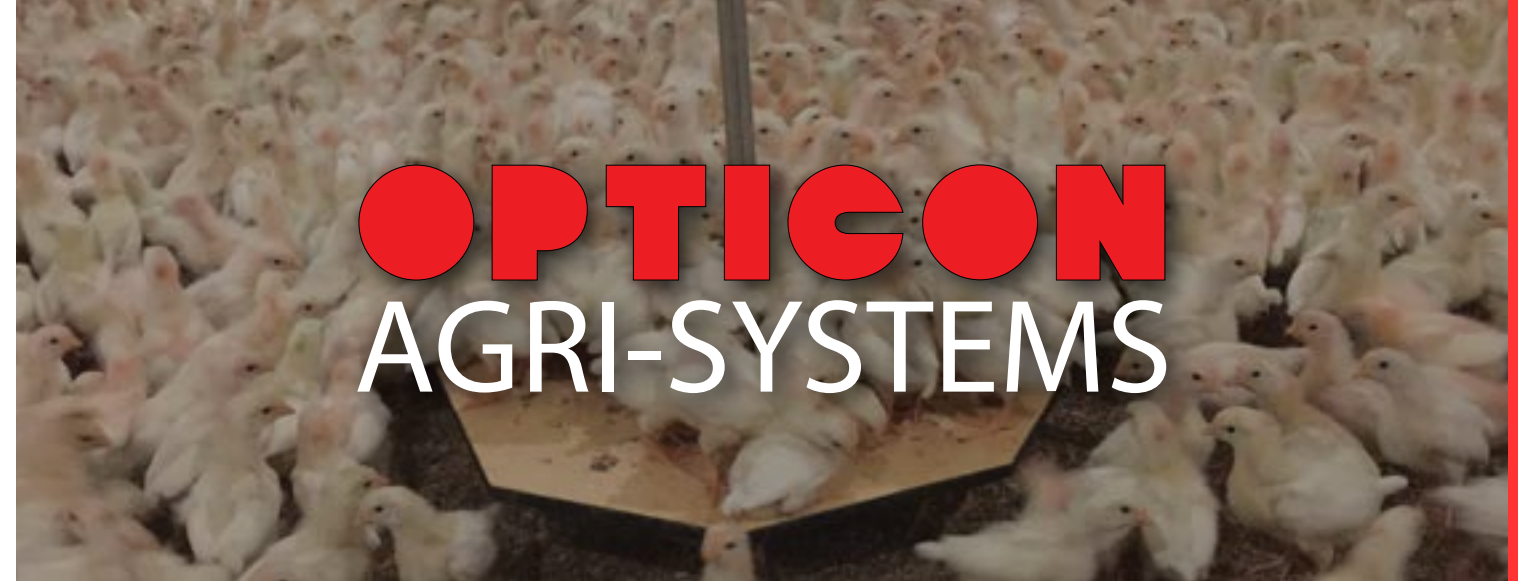
#### Pressure regulator with actuator for automatic flushing

The optional screw-in actuator allows automatic flushing of the drinker line: The LUBING flush control "LCW Touch Control" switches successively, the actuators, which open the integrated flush valve of the pressure regulator Optima E-Flush. The required voltage is provided by LCW controller uniformly in 24 V DC. The cable length of the actuators of 7.5 m ensures a flexible handling. The manual flushing remains possible also with actuator.



**Ruby 360**

INTEGRATED AGRICULTURAL SOLUTIONS



### Bird Scale Computer

DWS-20

The Opticon DWS-20 is a management system designed for the modern producer who requires optimum production information.



### Opticon In-Cage Scale

Abattoirs are becoming more demanding when it comes to the weight of the stock that they want to receive, and at what time.



### Layer & Broiler Scale

Abattoirs are becoming more demanding when it comes to the weight of the stock that they want to receive, and at what time.



### Turkey Scale

Abattoirs are becoming more demanding when it comes to the weight of the stock that they want to receive, and at what time.



### MCC-10

Climate Computer

Opticon climate controls take care of a healthy and efficient growth of your poultry & swine.



### PEB-20/PEB-30

The end stations PEB-20 and PEB-30 are frequently used to control ventilation and light in combination with Opticon controllers.





**SMU-10**

End Station for Air Inlets

The SMU-10 is an electronic extension unit (end station) to control a flap motor when it is connected to the 0-10 V DC output from an Opticon controller.



**Egg Flow & Counting Computer**

The Opticon Egg Flow/Counting Computer is a system designed to accurately count egg production and keeping your farm packer running at full capacity.



**Opticon Egg Counter**

The Opticon Egg Flow/Counting Computer is a system designed to accurately count egg production and keeping your farm packer running at full capacity.



**MultiHeat HW Unit**

To obtain the best results in poultry buildings an optimum climatic environment is essential for the health and productivity of the birds.



**Snooksuperior**

Indirect Fired Gas Heater

Saving energy and optimising the climate inside a shed are top priorities for every poultry farmer. The SnookSuperior Indirect Fired Gas Heater by Multiheat outperforms our previous S'nook\*.



**SwitchSuperior**

Compact Heat Exchanger

Saving energy and optimising the climate inside a poultry house are top priorities for every poultry farmer. Temperature and ventilation play a big part in the ideal circumstances for poultry to perform.



**Feed Weighing/Bird Scale Computer**

Feed, water and light are the most important factors affecting growth and performance in your poultry barn. For this, Opticon has developed the PMS-20 to monitor and manage the above.



**Feed Weighing Unit**

OPTICON has developed the FWU-20 feed weighing unit. Combine the unit with the PMS-20 Feed Weighing and Bird Computer to give you great insight into your feed and water distribution.



**Load Cells**

The heart of any weighing system is the load-cell. Whilst they are not exciting to watch, load cells are highly accurate transducers which provides the user with information not generally obtainable by other technology due to commercial factors.



**MultiHeat X Changer**  
Heat Recovery System

With increasing and relatively high energy prices, the moment has come to invest in a heat recovery system.



**REV-AL Light Finned Tubes**

These systems are the ideal choice in particular for the preheating or for use in conjunction with diffusing fresh air systems.



**Heat-X**

Heat Exchanger for poultry

The optimised heat exchanger is not only impressive with its new look, but also due to improved and simplified application technology.



**Opticon Touch**

The Opticon Touch provides you, at a glance, all vital farm data at any moment in time. The controller has a highly-intuitive touch screen that enables you to quickly access all important parameters.



**Farm Data**

Web-Based & Mobile Software

Improve the performance of your poultry farm by decisions based on real-time farm data. Anywhere, anytime you will be able to see the performance of your poultry farm.



**ESA-1000**

Heat Exchanger

With its powerful heat recovery technology, the ESA-1000 allows you to save up to 50% on heating costs.



**SL-30-199**

Condensing Boiler

With Supply and Return connections on both sides of the boiler, your installation can't get any easier.



# once®

## Animal-Centric Lighting



**AGRISHIFT® TLL**  
For Layers

The Agrishift® TLL in-system LED tube light provides egg producers and breeders with an in-system lighting solution to meet the needs of today's modern poultry houses.



**AGRISHIFT® JLL**  
For Layers & Breeders

The Agrishift® JLL 8 Watt LED light fixture is optimized for layer house lighting, especially in aviary and enriched colony systems.



**AGRISHIFT® MLM-B**  
For Pullets

The Agrishift® MLM-Blue 8 Watt LED for pullet operations was created as a retrofit LED solution for modern poultry confinement systems.



**AGRISHIFT® MLM-B**  
For Broilers & Turkeys

The Agrishift® MLM-Blue 10 Watt LED for broiler operations provides an animal-welfare friendly lighting option.



**AGRISHIFT® MLM-G**  
For Broilers, Pullets & Turkeys

The Agrishift® MLM-G simulates an enhanced green light spectrum with added blue, stimulating a birds' highest color sensitivity to meet developmental needs at all stages of growth.



**AGRISHIFT® MLM-S**  
For Swine

The Agrishift® MLM-S is suitable for use in sow barns, gestation buildings, nurseries, gilt development units, and finishing facilities.



**AGRISHIFT® JLP**  
For Pullets & Aviary Systems

The Agrishift® JLP provides an optimized color spectrum with full dimming capability, essential for healthy bird development during early growth stages.



**AGRISHIFT® MLM-R**  
For Layers

The Agrishift® MLM-Red 8 Watt LED improves productivity and animal welfare by making natural daylight simulation easy with Dim-to-Red® technology.



**AGRISHIFT® TL3**  
For Layers

The Agrishift® TL3 in-system tube light provides poultry producers with a lighting solution designed to move birds horizontally throughout the system.



**AGRISHIFT® FEEDER LIGHT**

The Agrishift® FL is a Feeder Control Pan fixture designed to attract birds to the main or control feeder pans. The LED generates light at poultry specific wavelengths and draws in the birds to encourage feeding.



**AGRISHIFT® STC/STA**

Made for any Agrishift® ML lighting fixture, the Agrishift® STC is a stringer designed to connect on the Agrishift® STA, adapters offering various drop cord lengths, allowing for easy and cost efficient installation.



**AGRISHIFT® TLL**  
Long/Short for Layers

The Agrishift® TLL Long/Short in-system tube light provides an in-system lighting solution that meets the needs of today's modern poultry houses.



**AGRISHIFT® TLP**  
For Pullets

Agrishift® TLP is designed to operate in-system to meet the lighting needs of poultry housed in today's deeper and more spacious systems.



**AGRISHIFT® TLUS**  
For Layers

The Agrishift® TLUS under-system tube light provides layer producers with a lighting solution that brightens underneath cages, significantly reducing floor eggs.



### AGRICULTURAL LIGHTING

ONCE® animal-centric lighting systems go beyond traditional LEDs by offering a SOLUTION designed to simultaneously improve production and animal welfare.



### THE SCIENCE

We research the science of light exclusively for the agricultural market and incorporate the findings into commercial patented technologies.



### PROVEN RESULTS

At ONCE®, we base our technology on decades of proven research so both the animals and your bottom line benefit, leaving you to feel confident with your informed decision.



### ANIMAL WELFARE

By incorporating photo-biology into innovative technologies, ONCE® can minimize sudden changes in light and provide natural daylight simulation, reducing animal stress and improving welfare.

### AGRISHIFT® Master & Slave Dimmer

The AgriShift® Master Controller is designed specifically for dimming and controlling lights in poultry, swine or fish operations. This integrated Controller offers several advanced features giving it added flexibility, such as a front panel display, which addresses the needs of today's modern farming techniques.

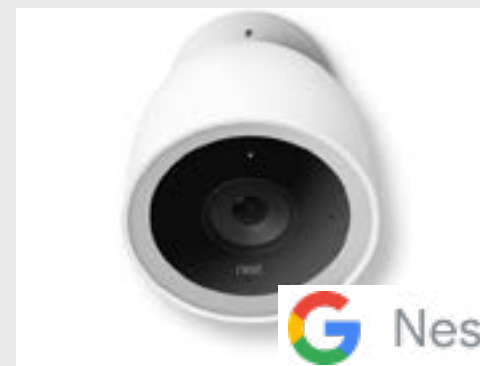
- Improves animal welfare
- Advanced technology for LED lighting
- Precise, consistent, incremental dimming
- Asymmetric sunrise/sunset program capability
- Programmable, timed or temporary dimming override
- Programmable transition time for sunrise/sunset



### Agri-Alert 128 Touch

Alarm System

Agri-Alert 128T is the latest addition to AP's line of dependable alarm systems. Equipped with all of the classic and many new features, it offers producers ultimate peace of mind.



### Google Nest Camera & Nest IQ Cameras

- **Weather resistance** - dust tight and protected against water projected from a nozzle.
- Operating temperatures **as low as -40°C**
- **130° diagonal** field of view
- **Night Vision** featuring 8 high-power infrared LEDs
- Two-year limited warranty



### Google Nest Aware Video History

Alarm System

24/7 continuous recording, intelligent alerts, clips & time-lapses, and activity zones.  
**5-day, 10-day or 30-day video history available**



### BioShift® Pass-Through UV-C Chamber

The BioShift® Pass-Through Germicidal UV Chamber is an economically friendly tool designed to strengthen bio-security protocols by killing viruses and other pathogens in a recommended time of five minutes, before they can enter your bio-secure farm facility.

- Eco-friendly
- Heavy-duty stainless steel chamber
- Designed for safety and ease of operation
- Pass-through chamber deactivates the DNA
- Easy-to-use, one button operation



INTEGRATED AGRICULTURAL SOLUTIONS

## ENERGY SOLUTIONS

Having successfully completed the largest off the grid agricultural project in Canada, Ruby360 is your choice for renewable energy solutions.

Solar generation can be used on the farm or sent back into the grid for a credit which can be used over the following 12 months. Ideally the solar system is sized to produce enough power to cover the electrical needs of the whole facility for a year, when the sun is shining the system is over producing and pushing back to the grid so that when the sun goes down that electricity can be pulled back from the grid. The grid in this case acts as the battery for the system. This type of system requires approvals and studies by the local utility to determine how it effects their system and other customers, there are also constraints on the size of the solar facility which can prevent them from being sized to produce enough energy to net-zero a consumer.



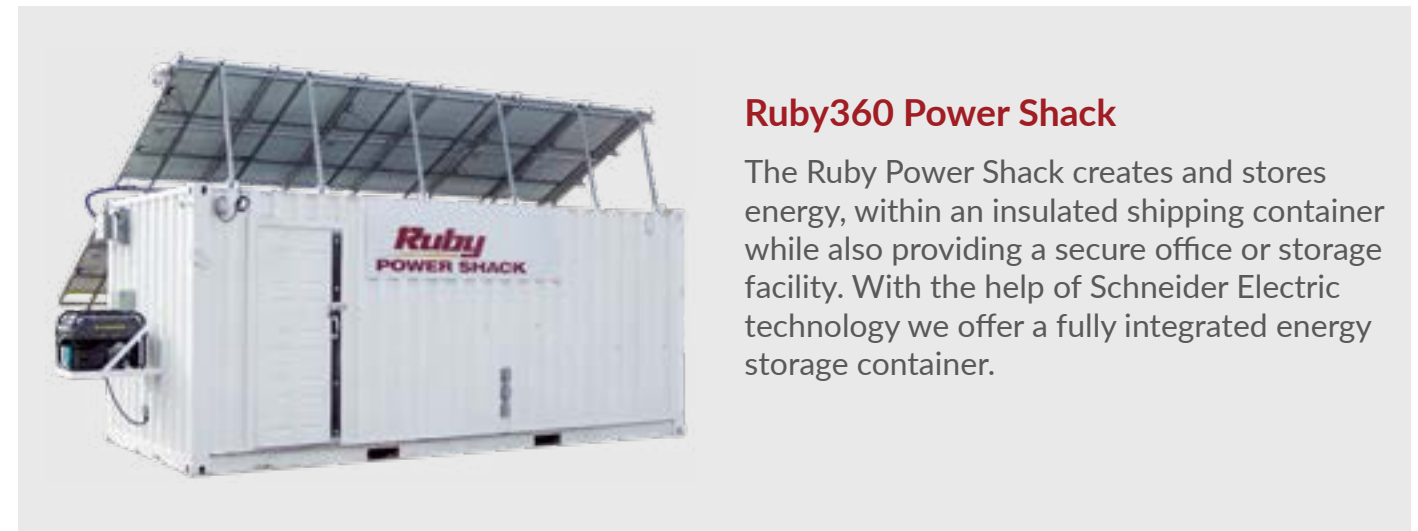
Largest off the grid agricultural project in Canada



Containerized solutions

Energy storage & battery systems

Inverters & custom instrumentation controls



### Ruby360 Power Shack

The Ruby Power Shack creates and stores energy, within an insulated shipping container while also providing a secure office or storage facility. With the help of Schneider Electric technology we offer a fully integrated energy storage container.



### Conext CL-60

String Inverter

The Context CL-60 string inverter offers a highly integrated configuration, easy installation, commissioning and services, and world leading efficiency performance.



### Conext MPPT 80 600

Solar Charge Controller

The Conext™ MPPT 80 600 solar charge controller offers integration features and top performance that allow for easy installation of large PV array systems to the battery bank for the lowest overall cost.



### Conext SW

Power Distribution Panels

The Conext™ SW Power Distribution Panels are pre-wired out of the box and labeled to support the integration of Conext SW inverter/chargers with a Conext MPPT Solar Charge Controller, battery bank and load centers.



# Choose Ruby360 as your project partner

## Services included

- Initial assessment of project goal
- Equipment solution choices based on your goals and regulatory requirements
- Poultry and swine weighing equipment
- Feed weighing equipment
- Biosecurity recommendations
- Ventilation solutions
- Manure management and control solutions
- Lighting solutions
- Design and supply complete heating systems
- Custom design and build integrated control panels to efficiently run entire facility
- Alarm-entry systems
- Renewable energy solutions featuring solar and battery storage

***Ruby* 360**

INTEGRATED AGRICULTURAL SOLUTIONS

**1-888-218-7829** [sales@ruby360.ca](mailto:sales@ruby360.ca)

40 Woodstock St. N, Tavistock, Ontario  
Canada N0B 2R0

**ruby360.ca**