

The background of the cover features a yellow grid pattern. In the upper half, there are green silhouettes of trees on a green hill. The hill is represented by a series of overlapping, wavy green bands. The trees are also in various shades of green, creating a layered effect.

Value-driven Technology *for* Food Security *and* Environment Protection

BITRADE'S PHILOSOPHY

Your Partner in Business

An engagement with Bitrade is a **long-term partnership**. We are with you every step of the way, from planning your farm requirements to running your day-to-day operations

Services and Training

We share with you the **latest International development** in farm equipment technology and design.

We train your staff to prepare them for operating and maintaining your farm at peak efficiency.



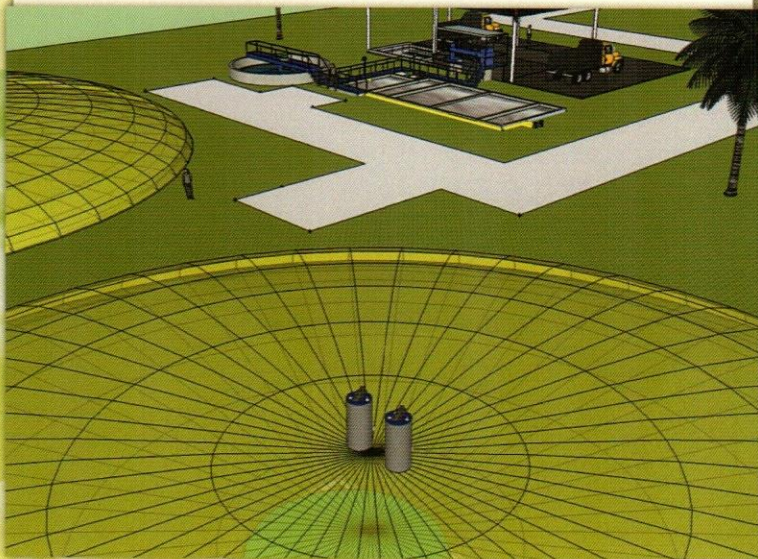
Advancing with Technology

We **research and develop** sustainable and efficient production systems and technologies to meet market demands.

We maximize our home ground advantage, utilizing our geographical, biological and economical resources to produce the best output attainable.

Management Support

We continuously develop our capability to support your **management** in improving farm productivity and efficiency.



BITRADE'S HISTORY *of* APPLIED TECHNOLOGY



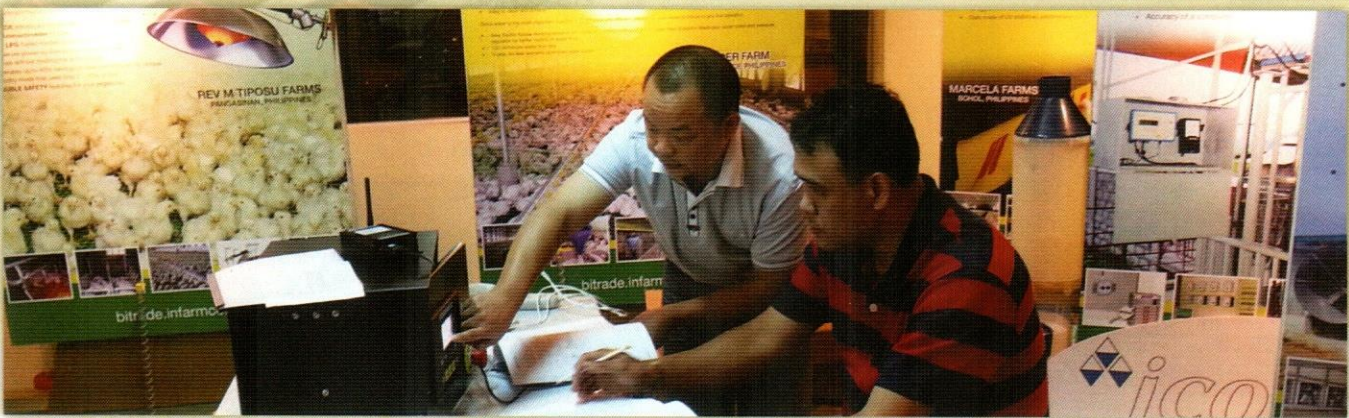
Bitrade's history, since its **foundation in 1988**, reflects its mission to validate and combine technologies with good farming practices to bring best results to your farm.

Bitrade was among the **pioneers in the country** that introduced Tunnel Ventilation with Evaporative Cooling Systems in both pig and poultry farms.

Bitrade pioneered the use of **money-saving technology**: Variable speed control of fans, gas-saving radiant heat brooders, and prevention of feed wastage by using computerized, flexible feed management systems.

Bitrade promotes energy recovery and reuse, and supplies the first **methane-fed infrared biogas brooders**.

Bitrade introduced **Tripartite Financing Agreements** to support the modernization of poultry and swine contract growers and commercial farms as well.



Integration

Bitrade **integrates its farm technologies** to be able to satisfy the complete service requirements of the client.

Skills Training and Development

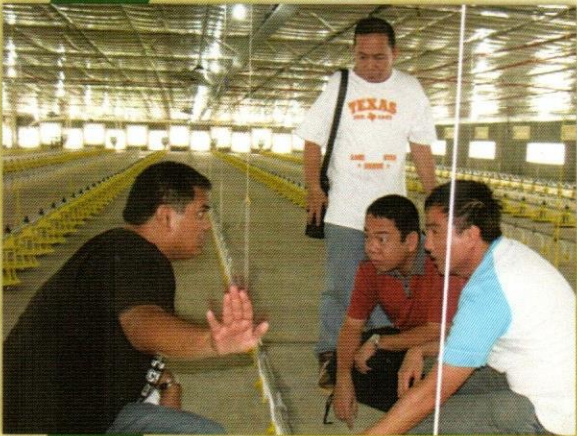
The delivery of these products and services is anchored on continuous manpower development and skills training on both engineering and veterinary science to help you grow your business and contribute to the development of Agricultural Industry.

YOUR PARTNER EVERY STEP OF THE WAY

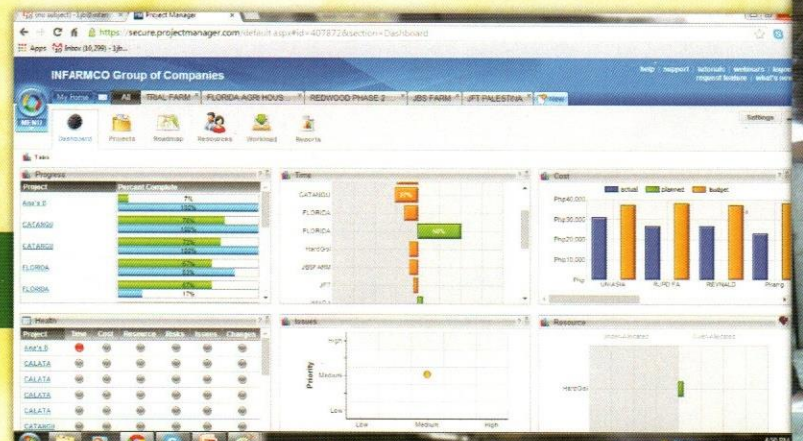
Bitrade listens to you – our client – to determine how we can best fulfill your needs. We regularly conduct site visits and coordinate with you to make sure that you receive the best systems based on the detailed plans provided.



1 Planning and Design



2 Coordination



3 Preparation and

7 After-Sales Support



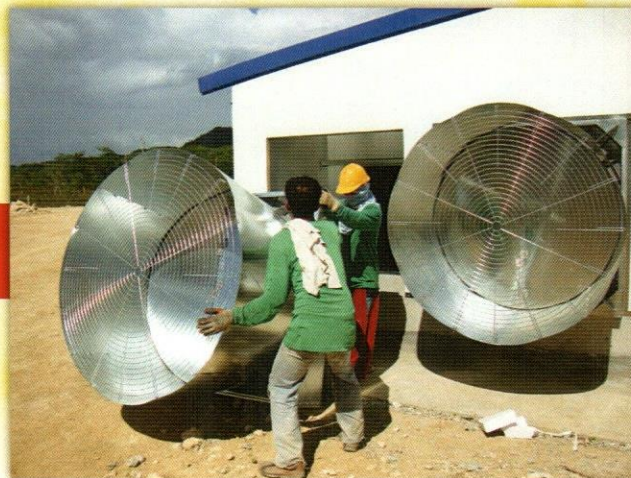
6 Turnover and Training



5 Testing and Dry Run



Deployment



4 Installation and Execution

SYSTEMS INSTALLATION

Climate Control System

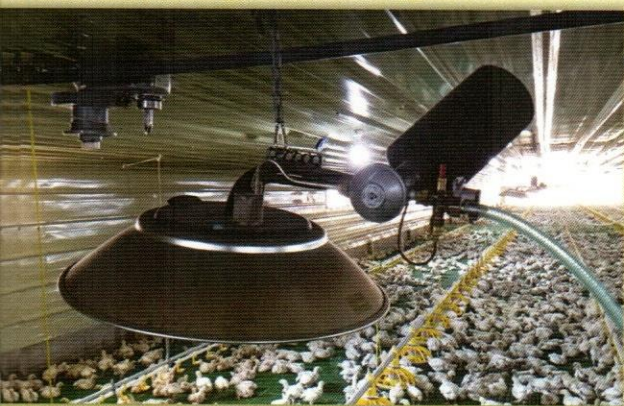
Effective Climate Control requires monitoring and accurate system-response to an ever-changing environment. Bitrade offers total Climate Monitoring System which uses computerized programs for different climate conditions to suit the Customer's farm requirements. Our Controllers and high-capacity fans allow farmers to narrow down the wide variation between night time and day time temperatures and maintain this "comfort zone" for better productivity.

Bitrade offers various options and customized solutions to suit Customers' Climate Control Requirements. We install custom-designed ventilation systems for start-up operations as well as existing retrofitted buildings. Bitrade provides extensive technical services on-site or on-line via the Internet. Our air driving units and Controllers are selected for their efficient power utilization and effective air volume delivery. These air driving units are produced by world-class Asian and European manufacturers.



Heating System

Animals, at an early age, have limited ability to control their body temperature and therefore, require supplemental heating for optimal growth. Bitrade offers several models of Biogas (Patent Pending) and LPG Infrared Brooders to meet your heating requirements for both Poultry and Swine. Our infrared brooders employ the principle of the sun, which conserves power by directing heat onto the animals without heating the entire room. They are also mounted higher for wider coverage of the floor area resulting in more birds covered. Once the target brooding temperature is reached, it automatically switches its unique stand-by feature and uses only 3-10% of fuel that further reduces Biogas and LPG consumption, thus generating up to 40% savings on fuel cost.



Housing System

Structurally sound and insulated housing system is needed to ensure adequate protection and optimal performance of the animals. Bitrade specializes in planning, design and implementation of complete turnkey projects worldwide, that will optimize farm investments for the agro-industrial sector.

Bitrade provides single and double deck building of Pre-fabricated steel construction. Features include:

- Insulation for walls and gables made of 40 mm polyurethane sandwich panels; insulation between roof and ceiling is with 100mm hollow fiber material.
- Straight ceiling made of corrugated galvanized and painted steel.
- Roof made of corrugated galvanized and painted steel coated with super polyester. Purlins are galvanized profiles and all steel parts of main construction are hot-dipped and galvanized after welding.
- Coating for walls, gables and ceiling is made of super polyester paint.
- Frames are steel profiles; hot-dipped galvanized after welding.
- Doors are insulated and air-tight.
- Sealing material is resistant to washing, rodents, beetles, etc.



Automatic Breeder Nest System

Feeling of being secure in their natural environment is important for hens to produce eggs. At the same time, it is also important for a breeder operation to have minimal cases of floor eggs. Bitrade offers an attractive and comfortable area where hens will lay their eggs. Right after laying, birds are expelled by the tipping floor a unique component whereby preventing broodiness and soiling of the nest.

This smart design ensures quick assembly, easy access to essential elements for maintenance and thorough cleaning:

- Ideal nest for breeder
- Clean and top quality eggs
- Durable and low maintenance



SYSTEMS INSTALLATION

Automated Feeding System

Well designed feeding systems allow faster weight gain and improve feeding efficiency. Bitrade's feeding systems offer added value to our customers through accurate feed delivery and reduced feed wastage. Customers' Return On Investment (ROI) is maximized by taking advantage of the unique and patented feed systems that optimize feeding space while preventing feed wastage.



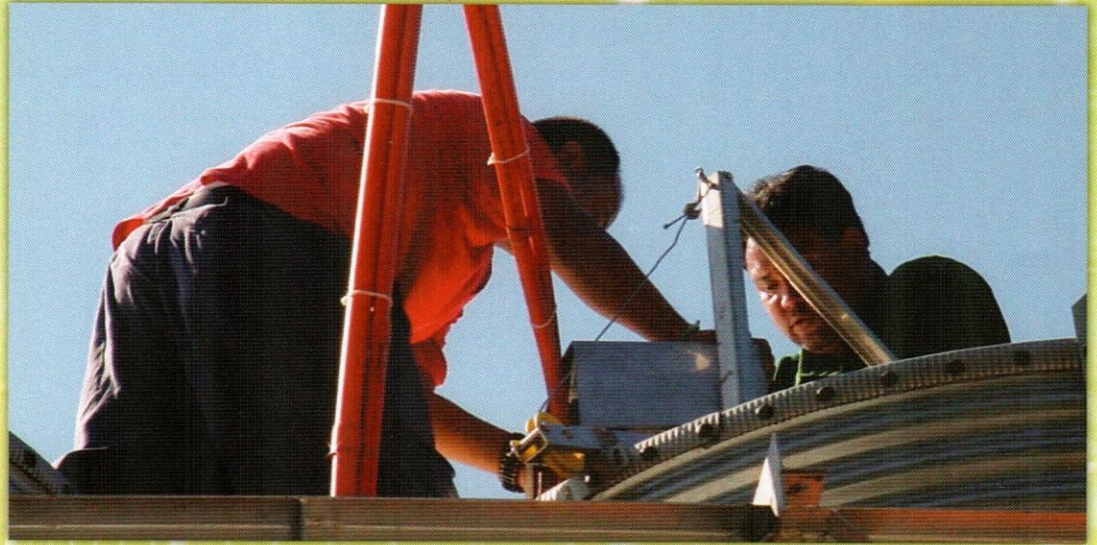
Automated Drinking System

Since Water is the most important ingredient in poultry and livestock operations, its continuous and efficient delivery is critical to any livestock operation, ROXELL's high flow rate of Swiflo drinking systems are installed complete with water filters, Dosatron medicator, water meter and pressure restrictor which provides a complete nipple drinker system for broilers, broiler-breeders and commercial layers. Bitrade's drinking system from ROXELL does not only optimize water supply, but also provides optimal hygiene, superior animal welfare and easy maintenance. Our nipples come with a 3-year, no-leak warranty to help reduce moisture buildup and improve litter quality.



Maintenance, Repairs and Services (MRS)

Bitrade ensures its Customers Long-term Support in terms of After-Sales services. The Company allocates spare parts for equipment it supplies to ensure continuous farm operations. Our Engineers and Technicians are strategically assigned to provide service especially for emergency cases and startup operations. We take responsibility that our equipment will be able to maximize its capabilities over a long period of time. We provide Farm Assistance which includes conducting Pre- and Post-training for Farm Technicians and Supervisors, guiding them in operating their installed Bitrade systems.



SYSTEMS INSTALLATION

Measurement, Monitoring and Control System

Bitrade provides and installs computerized weighing scales with a high-capacity memory for livestock. Stored data, which is accessible via a pin coding system, can be uploaded from the weighing scale into office computers and is printable. Its unique reprint is used as an on-line audit function and gives the farm owner greater control of the business and more importantly, security and peace of mind.



Penning and Confinement System

Bitrade's farm confinement systems include automated cage systems, egg collection and manure removal system for broilers and layers, as well as crates and pens for pigs. These systems are designed for simplicity and reliability and their durable construction ensures long service life. We have a wide variety of materials depending on the Customer's budget and requirements.



Turnkey Project Management

Responsible farming today requires cost-effective production as one's contribution to food security. This means combining new technologies harmoniously with animal husbandry, welfare and environmental solutions. Bitrade's strength as Systems Integrator is drawn from years of experience in Project Implementation, Systems Design, and Farm Management. A member of the Infarmco group of Companies, Bitrade is the preferred partner because it is a Filipino company whose best interest is to grow the local poultry and livestock industry in partnership with the Filipino farmer.



The use of modern technology becomes necessary to meet production targets and maintain cost-effectiveness. The modern farmers plays an important role as he is greatly involved to do careful planning, selection and intelligent use of validated technology to maximize the animal's growth potential. Bitrade as a responsible partner, provides turnkey facilities like prefabricated, fully-insulated poultry and livestock Housing System complete with:

- Climate Control System
- Heating System
- Penning and Confinement System
- Automated Feeding and Drinking System
- Feed Storage and Transport System
- Waste to Energy Conversion and Waste Management System
- Primary and Back-up Power System
- Measurement, Monitoring and Control System
- Maintenance, Repairs and Services

SYSTEMS INSTALLATION

RENEWABLE ENERGY SYSTEM

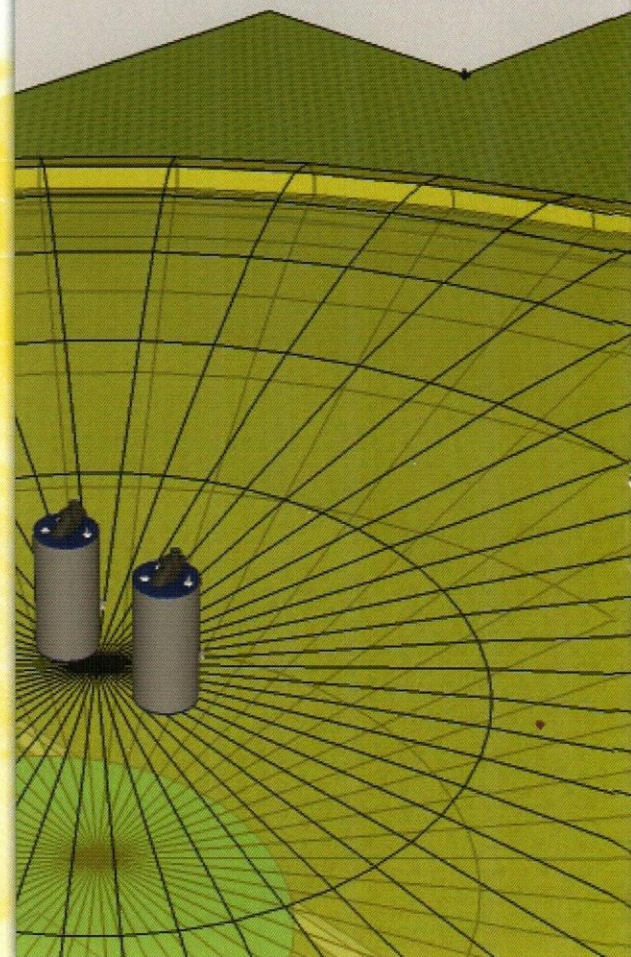
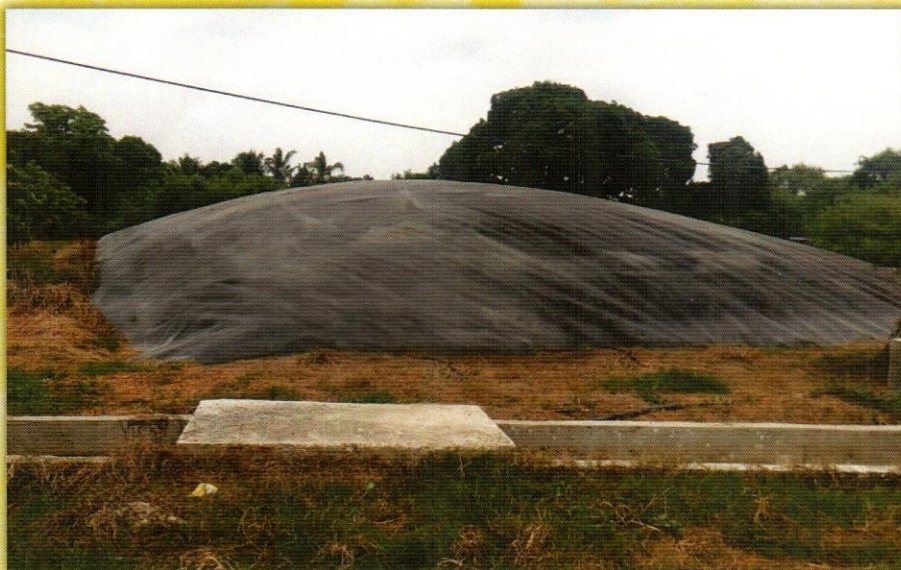
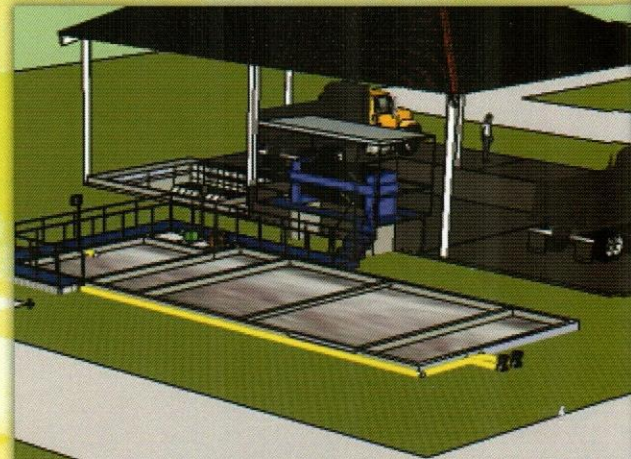
SOLAR, WASTE WATER TO ENERGY CONVERSION AND WASTEWATER MANAGEMENT SYSTEM

Part of our social responsibility is contributing a clean-and-green environment through an effective waste management system. Our Biogas Technology does not only cater to swine farms but also to poultry farms as well. Its design can be as small as two (2) broiler houses up to large-scale broiler-breeder farms, depending on the Customer's requirements.

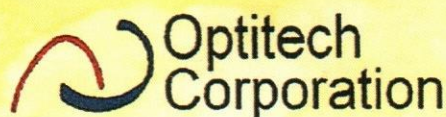
For greater reliability and durability, Bitrade integrates our Power Systems that could serve as prime or standby power using diesel fuel or renewable energy from biogas. These products have obtained the International Quality Systems Certification ISO 9001:2011.

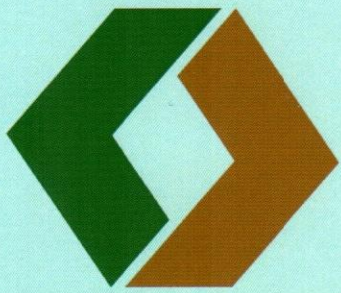
For dependable service of its generator sets, Bitrade offers Preventive Maintenance Programs conducted by our qualified engineers and technicians specifically trained and certified for generator repair and maintenance. Bitrade also provides technology transfer and training for our valued Customers.

Bitrade's comprehensive coverage of all farm requirements in its turnkey scope extends to Project Planning and Implementation, Logistics, Management and Control including Technical Assistance in Animal Production. It also incorporates Waste to Energy Conversion highlighting Biogas as a Renewable source of energy.



OUR TRUSTED PARTNERS HERE AND ABROAD





BITRADE

Moving the Poultry and Livestock Industries Ever Forward

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