Estamos frente a una convergencia tecnológica que generará profundas transformaciones en la agricultura.

Agricultura de presición

Siembra directa

Semillas listas para usar

Protección y nutrición de cultivos

Sol
CO₂
H₂O

Robótica

Electrónica

Metalmecánica

Bioplásticos

Biotecnología

Microbiología

Química

Nanotecnología

Alimentos

Nutrientes

Medicinas

Bioplásticos

Textiles

Papel

Construcción

Enzimas

Energía

& más
Increased demand for food together with improvements in science and technology, create a more complex decision making process.

**Past**
- Unknown data
- Unreliable Information

Few options available

**Present**
- Zone-specific agriculture
- Georeferenciation
- Land diversification
- Inputs optimization
- Mechanization

**Future**
- Robotics
- Genomics
- Big data
- Singularity of information

Long term productivity and efficiency with sustainable returns and less impact on the environment
In order to manage this complexity, agribusiness is incorporating and integrating new disciplines to the traditional existing ones.

Traditional Disciplines:
- Botany
- Soil Science
- Chemistry
- Topography
- Mechanics
- Physiology
- Genetics
- Statistics

New additional Disciplines:
- Aerospatial
- Nanotechnology
- Robotics
- Internet of things
- User Experience
- Geographic Information System
- High Performance Computing
- Machine Learning
- Big Data

Questions:
- What to produce and when?
- Where to produce?
- How to produce?
- How much to produce?
- What inputs to use and when?
- What to sell and when?
- Where to produce?
Frontec represents brings together technology, know-how and innovation at the service of a new agriculture.

Agribusiness knowledge

- Leading agribusiness and investment company in Latin America, active in the production and distribution of agricultural commodities, by-products, and services.
- Track record of over 30 years.

Innovation Entrepreneurship
& Networking Culture

Advanced Technologies

- Company dedicated to the development of advanced technologies in various sectors including industry, science, and applied research.
- Track record of over 40 years.
Frontec is a technological platform that combines the latest in geospatial, agricultural and IC technologies...

...building competitive advantages in order to gain market positioning
…offering innovative, sustainable and tested solutions to the agribusiness value chain

Leading the transformation in the agribusiness management culture
Frontec stands out for its in-house developed software and its distribution capability

**Frontec combines...**

1. High-resolution satellite images
2. Agronomic data
3. Process and analyze data intelligently
4. Continuous learning
5. While reincorporating information for the development of new solutions

...to different segments and markets

- Farmers, agricultural engineer, contractors
- Suppliers, exporters, insurance companies
- Government, supranational organizations, Institutions

...and delivers solutions
Frontec solutions allow to identify, quantify and geo-reference the heterogeneity and performance of each field.

### Bringing today the solutions for tomorrow’s problem

- **Field segmentation in working units to apply different management practices.**
  - The aim is to increase yield and reduce result variability and productivity risk.

- **Results of agricultural practices per management unit.**

- **Planning and resource allocation. Nutritional Prescriptions by crop and environment.**
  - Increased in gross margin: 30%
  - USD/ha average savings: 15 USD/ha

- **Daily field monitoring provides operational alerts and allows rapid response to crop stress.**
  - USD/ha profits increased: 10-20 USD/ha

**Expected investment return in one campaign**
Frontec has estimated the size of its preliminary potential market in 282 MM hectares*

*Solutions to different segments and geographies

*Includes: wheat; corn; rice; soybean; sugarcane
** only wheat is considered
*** only corn & soybean are considered

Source: USDA - FAS
In the middle term, Frontec is expected to evolve to a marketplace. Frontec Platform offers services such as:

- Soils Information System (SIS)
- Fleet control
- Weather forecast
- Crop scouting
- Watershed tracking & management
- Planimetrics
- Irrigation management
- Machinery Management
- Surface moisture
- Pasture management
- Livestock tracking
- Soil sampling and classification
- Surface moisture
- Farming
- Agricultural engineers
- Contractors
- Grain traders
- Insurance companies
- Government, supranational organizations, Institutions

Frontec Platform connects these services with its clients and potential service suppliers.