FOOD DEVELOPMENT CORPORATION of TEXAS (FDC-TEXAS)
The Mission of FDC-Texas is to improve the World’s Food Security by insuring the company’s paradigm, pursuing targeted investments, maximizing the value of our assets and resources of our employees, shareholders:

- Promote Food-Energy Security
- Increase Employment & Education
- Sustain Ecological Compatibility
- Conserve Resources
- Maintain Social Equity
- Enhance Economic Increase
- Sensitive to local complexities

Today

Nearly 1 billion people suffer from inadequate quantity or quality of foods. Currently, there is no single prescription for combating hunger. FDC-Texas offer solutions to insure adequate fiber, grains and proteins by consulting, forming Joint Ventures, Leases, or direct investments in worldwide agribusinesses.
FDC-TEXAS

Enabling clients to achieve:

- Create Food Security
- Increased Employment
- Market Expansion

WORLDWIDE SERVICES AVAILABLE:

1. Funding Sources
2. Personnel Training
3. Farmland Development
4. Agronomics
5. Irrigation & Drainage
6. Farm Technology
7. Purchasing & Transportation
8. Construction & Engineering
9. Energy Requirements & Supply
10. Livestock, Fish, Poultry Production
11. Food Processing
12. Marketing & Distribution
FDC-TEXAS

James Hammond, Chairman

Brent Kartchner, President & CEO

- Over a century of experience in international agriculture project development, management and marketing
- Relationships with Funding Groups, Foundations, Government Agencies, Development Banks and private investors
- Completed forty-six major projects in Africa, North America, Middle East and South America
MAURITANIA
- 30,000 ha, Cotton, palms, vegetables, biofuels, grains

LIBYA
- 5,000 ha Wadi Aril modernization
- 2,500 ha GMMR Tarhouna/Abu Aisha project
- 25,000 ha Desert Project Modernization
- 2,400 ha Maknussa Grain Development
- 400 ha Sarir Onion Production Project
- 1,000 head Sebha Dairy Project
- 4,500 ha Maknussa Electric system
- 5,000 ha Wadi Aril turnkey agro-complex
- Onion Storage Project – 280,000 tons climate controlled
- 40 ha Sebha Greenhouse Project
- 100 ha Sebha Date Palm Project

EGYPT
- Wadi Natrun, Egypt
  - 3,500 ha All aspects for engineering, crop production, social, environmental, marketing

VENEZUELA
- Morichal Laro, Venezuela
  - 900 ha pivots -- peanut, sorghum, tomato
  - Trios Rios, Venezuela
  - 50,000 ha peanut, canola, sorghum. Cattle, swine, chicken feeding operations

SAUDI ARABIA
- Saudi Agricultural and Irrigation Development Ltd., Saudi Arabia
  - Projects for HRH Prince Solomon included grape, date and citrus project
  - Al Qassim Grain Development Project
  - 5,000 ha turn key development and management

USA
SKYLINE FARMS, INC.
- 4,000-hectare irrigated project for H.J. Heinz Co

PACIFIC NORTHWEST FARMS, INC.
- 5,000-hectare pivot irrigated farm
- Fresh Produce Center, 1,000 tons/day of potatoes and onions for fresh market
- Processing Park 500-ton/day potato French fry factory/dehydrated
- Storage Complex - all-weather storages: 200,000 tons of potatoes/onions
- Cattle fattening operation

USA
POTLATCH COMPANY, USA
- Developed 15,000 acres forestation for a Carbon Sink (CO₂ Credit Unit) of hybrid pulp trees

OMEGA FUELS & ENERGY, LLC.
- JV with DOE for design and development of a 50 MMGA ethanol facility

SOUTH TEXAS ALGAE LLC.
- Engineering & design 300 ha carbon sequestering algae program
- Carbon credit packaging
FDC Cropping Plan

FDC's cropping plan for Mauritania Phase One will include the following crops:
- Wheat
- Sorghum
- Corn
- Sudangrass
- Onions

The Phases for expansion will include these crops plus Oil Palms, Vegetables and Citrus.

NATIONAL INCENTIVES TO EXPAND OR MODERNIZE ITS AGRIBUSINESS SECTOR

- Reduce/eliminate a nation’s need for imported grains, vegetables and fish/animal proteins
- Enable a favorable Trade Balance
- Create demand for development of additional infrastructure to support large agriculture operations
- Include expansion of in-country processing mills/plants, improved distribution capacity
- Generate employment
- Training/technical programs for local workforce
- Produce large volumes of animal fodder
- Support development of additional business sectors

FDC-Texas Standard Project Consortium:

FDCT RESPONSIBILITY: Facilitator
- Arrange Consortium, Project Management, Historical Creditability, Agriculture/Financial Expertise

CLIENT RESPONSIBILITIES:
- Governmental Support, Agreement on Property/Water, Business/Tax Incentives, Off-Take Agreements/Assurances

FINANCIAL PARTNERS ROLE:
- Banks, Development Agencies, Private Investors, Capital Investment Sources
“Knowledge Intense, Local Specific, Environmentally Sound”
As farmer owned Cooperatives, Grower Associations or individual farmers, FDC-Texas can assist in creating sustainable operations within the smaller agricultural sectors.

FDCT SERVICES & PARTICIPATION

- Grower Association & Cooperate Design & Operations
- Water Conservation Systems
  - Simple Drip Irrigation Packages – (more crops per drop) (1-2 ha units)
- Specialized Seeds & Natural Pedation
- Develop Cropping Projections & National Requirements
- Agribusiness Training
- Specialized Equipment & Support
- Food Processing & Storage
- Marketing Consortiums

- Worldwide – 400 million small farmers
- Africa is fed by 33 million small farmers
- These farms produce 85% Africa’s foods
- Employ 65% of Africa’s population
- The average African small farm is 2 ha or less
- Many of these farms are women owned & operated
The FDC-Texas team represents quality, internationally experienced people. These seasoned people are accomplished in the steps and inputs needed to develop and operate a successful agribusiness projects.

- Project Management
- Agronomist
- Financial Specialists
- Human Resources
- Equipment Specialist
- Irrigation/DRAINAGE Engineers
- Fertility Experts
- Soils Scientist
- Remote Monitoring Specialist
- Energy Design Engineer
AGRICULTURE DEVELOPMENT

Items of Consideration:

- Social Requirements
- Funding Sources
- Site Location
- Erosion Issues
- Natural Vegetation
- Soil Quality
- Rainfall Patterns
- Cropping Plans
- Drainage Designs/Issues
- Water Sources/Irrigation
- Environment Protection
INFORMATION SYSTEMS

PM-60A: Project Management Program
IMC-5: Irrigation Management & Control
CM-6: Guidance, fertilization, insect, weed and yield monitoring

DATA CONTROL:
- Financing terms /taxes
- Total Project inputs
- Acreage & Cropping details
- Life expectancy for equipment, animals, water sources
- Labor use & projected rates
- Resource consumption (fuel/water/other)
- Revenue per production unit/crop/animal
- Preventive maintenance
- Social costs/benefits
- Environmental cost/benefits
- Remote guidance/data logging
- Land surveying
- Insect & Weed control
- Fertilization & yield
IRRIGATION & DRAINAGE

Irrigation supports 50% the world food production & uses 70% of the freshwater. FDC-Texas offers technologies that conserves and protects water consumption:

- Reduce evaporation & un-recycled seepage
- Water conserving cropping programs
- No-till cultivation methods
- Capture/reuse fresh water
- Cost/return: Production vs. water consumed

**Technical**
- Land leveling
- Precision sprinklers
- Furrow diking
- Drip irrigation

**Managerial**
- Improve irrigation scheduling
- Improve water delivery systems
- Water conserving tillage
- Recycle drainage water
- Maximize yields under soil &/water salinity

**Institutional**
- Establish water organizations
- Regional water resources
- Water conservation practices
- Equitable water markets
- Private-sector dissemination of technologies

**Agronomic**
- Crop varieties that maximize water usage
- Intercropping maximize soil moisture
- Matching crops to climate/water quality
FDC - TEXAS

FDC-TEXAS FARM EQUIPMENT LINES

- John Deere
- Agco-Allis
- Case – IH
- Gleaner
- New Holland
- Rhino
- Sunflower
- White
- Brent Grain Carts
- Trimble Navigation

- Great Bend
- High Plains
- Krause
- Harrell
- Bush Hog
- Dammer-Diker
- Navistar
- Hiniker
- Orthman
- Land Pride
FDC - TEXAS

FDC-TEXAS
AGRICULTURE
SUPPLIERS

IRRIGATION EQUIPMENT
- T & L Irrigation Pivots
- Tumac Irrigation Systems
- Reinke Irrigation Pivots
- Lindsay Zimmatic Pivots
- Valley Irrigation Systems
- American Turbine
- Parma Pumps
- Desert Rain Irrigation
- Drip Irrigation Services
- Conveyance Systems

SEEDS (latest GM/non-GM)
- Monsanto
- DuPont
- Syngenta
- Land of Lakes
- Wilbur Ellis
- KWS AG
- Sakata

FERTILIZERS/CHEMICALS
- Agrium Inc.
- BASF
- PotashCorp
- Stoller Enterprises
- CF Industries
- Easterna
- P&L Fertilizers
FDC-TEXAS LIVESTOCK, FISH AND POULTRY PRODUCTION

- Computerized selection of breeding stock
- Genetic matching to maximize quality
- Use of frozen semen/Artificial insemination
- Modern production centers with environmental controls
- Automation in feed blending
  Sanitation and safety controls
  Animal waste treatment and disposal units
- Manure/Methane/Electric conversion systems
- Processing/Packaging center for beef, poultry, fish
- Modern In-Country distribution center design, installation.
FDC-Texas Education & Training

Includes all aspects of modern agribusiness:

- Agricultural Economics
- Agronomy
- Farm Production Technologies
- Computerized Electrical Systems
- Irrigation/Drainage
- Livestock/Poultry/Fish
- Food Processing Technology
- Packaging
- Marketing
FDC-Texas can engineer and construct project infrastructure including:

1) Steel or tilt up concrete buildings
2) Maintenance Shops, Warehouses
3) Equipment storages
4) Crop storages
5) Food processing Facilities
6) Wells, Water Handling Systems, Irrigation Pump Stations

Suitable for local weather conditions, Roads, airstrips, water supply, fire control and drainage, Sanitation facilities, Structures meet fire resistant & all required codes, Environmentally sound - environmental requirements fixtures, ac/heat

ENERGY & ALTERNATIVE FUELS

Innovation and adaptability are the hallmarks when it comes to the design, construction and operation of the energy systems required for many new or the modernization of existing agro-business operations

We supply sustainable components especially designed for the world’s desert regions

✓ Solar Collection/Generating Systems
✓ Animal waste/methane gas to electricity conversions units
✓ Biodiesel/Ethanol manufacturing facilities
✓ Wind generating units
FDC-Texas acknowledges manufacturers of specific agricultural equipment in this brochure and their contribution in supply, services and photos to past FDC-Texas accomplishments. Other photos in this brochure have been taken on site.