

WALTER D GAMEIRO. To help your projects.

GREEN TECHNOLOGIES FOR A CHANGING WORLD

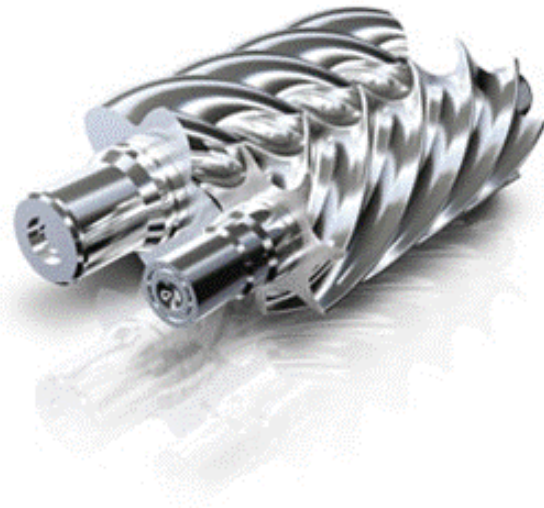


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Walter D Gameiro, PhD ME. MBA.

C&R **Refrigeration, Inc.**







GOALS :

SOQ – Statement of Qualifications.

When presenting this document Our Firm **C&R REFRIGERATION** openly hopes to help achieve the following goals:

Increase **OUR CLIENT** engineering efficiency.

Improve **OUR CLIENT'S** economical efficiency helping your bottom line.

Stay on or below **OUR CLIENT'S** budget.

Complete Refrigeration and HVAC design swiftly in order to finish construction on or before schedule.

Help **OUR CLIENT** expand their business.

A final goal is to be **OUR CLIENT** engineering partner any time it becomes necessary.





INTRODUCTION

C&R REFRIGERATION, has much pleasure in submitting our qualifications for design services for ENERGY STRATEGIES and Mechanical & Thermodynamic Design for your investments.

Collectively the members who work with C&R REFRIGERATION, have over 30 years of experience in average, we are not a new company.

The combined knowledge of *State-of-the-art applied Electricity Co-Generation, Heat Recovery, Air Conditioning and Refrigeration Design* of *State of the Art Systems* as the focal point of our engineering capabilities, makes our company unique to the US and Export marketplaces.

We have a patented Refrigeration inventor and a member of the AMI Food Building Task Force among our staff.

Our knowledge comes from working in the industry since 1975, worldwide in Europe and Africa, not just in the US. That gives us an insight on other ways to design systems, step back and compare for best results.

When we design Energy Plants, the understanding about the importance of Cost analysis and effectiveness gives our company an edge, when compared to most larger firms. Our company will provide personalized services and even help you troubleshoot your plants in case of necessity.

Our company is here to help you succeed

C&R REFRIGERATION combines this central focused Energy technologies (production and intelligent usage) knowledge with the remaining disciplines that are required when designing modern electrical and mechanical plants for any type of building. A sound group that encompasses architecture, structural engineering, food grade mechanical engineering with the right fluids and the right drainage systems, industrial engineering, electrical engineering and an electronic controls specialist.

Sound knowledge at the reach of
your company.





THE MARKET

C&R REFRIGERATION, is totally focused, well oiled team of professionals and specializes in design and construction of Energy efficient systems.

Our target market directed our company primarily to the food production and the distribution of fresh and frozen food products until the market was ready to accept our state of the art energy saving concepts.

The systems are very well understood and we are very capable to re-design any existing plant for energy reduction. One of our members did research work about energy usage in Refrigerated Distribution Centers and published his work in an international forum.

One of our specialties is the understanding zero tolerance for condensation inside meat processing rooms. Absolute understanding process air conditioning with no condensation, and 100% fresh air units to operate during and after the daily sanitation, to get the room quickly ready for the next shift. Pressurized rooms to whatever pressure is desired in order to avoid cross contamination.

GREEN TECHNOLOGIES FOR OUR CHANGING WORLD

GREEN REFRIGERATION & AIR CONDITIONING

CO-GENERATION & HEAT RECOVERY & CONVERSION.

DISTRICT COOLING & HEATING

COMPLETE
EQUIPMENT SUPPLY WITH FREE DRAWINGS
SOLUTIONS



KEY SERVICES

C&R REFRIGERATION, is a multi-discipline engineers firm geared towards DESIGN of the total project or specialty projects.

Services offered are:

Conceptual Design / Design Complete Projects

Refrigeration & HVAC Design

Project Assistance

Engineering Services

- Civil
- Structural
- Electrical
- Mechanical
- Plumbing
- HVAC
- Food Grade Drainage
- Fire Protection

Energy Reduction and Rebate Programs

Industrial Engineering

Value Engineering



Our team can help you provide the equipment and the design with all the consulting needs under our design supervision, anywhere in the US or abroad, within our areas of expertise.



REFRIGERATION & Air Conditioning GREEN DESIGN

C & R REFRIGERATION, is specialized in Refrigeration and Air Conditioning Systems. including Ammonia, CO₂ or any other refrigerant, including,

DISTRICT COOLING and HEATING.

For the Food Industry Heat transfer between fluids (air, water, ice, glycol etc.) and food products such as poultry and meat, including shrink-age calculations.

Quick Chill (by air, water or glycol), Chill holding, Blast Freeze, Freeze Holding, Fluidized Beds, Spiral Freezer, Impingement Freezer, IQF Freezer, Plate Freezing, Glycol Freezing or CO₂ Freezing.

Our Refrigeration team leader trained the refrigeration team of the company he was with before Carter & Burgess for four years and brought that company from being unknown into being number two for three years and number one for two years in a row in the marketplace in Warehouse/ Distribution between 1997 and 2003.

During that period that team designed in excess of half a million square feet of freezers at -10 °F and -20 °F and in excess of 2.5 million square feet of coolers for Perishable Foods.

Our capability to understand Heat Transfer from Refrigerants to Meat products does set us apart, from our competition. Examples of such as lectured at the University of Arkansas can be sent to you in PDF format.

Our research in Energy Savings has been published and has influenced the re-design of some Process Air Conditioning equipment manufactured by US manufacturers, who have worked with us during the research period.

[Walter D. Gameiro, is the inventor of US Patent #6,311,507 for a Refrigeration System with Minimum Pre-Set Condensing Pressure.](#) Over the past eight years Mr. Gameiro was an invited speaker by Universities in Europe and in the US 18 times; he was a speaker in technical seminars 21 times in Europe, Africa, North and South America on issues related to applied refrigeration and Air Conditioning.



STRENGTHS

C&R REFRIGERATION, is strong in any Thermodynamic Systems, applied to our changing world.

Our Process engineering will work with the Industrial group and your team to reach consensus. After that comes the connection with Energy strategy, Air Conditioning or Refrigeration and its systems to make sure everything falls in position. Once this equipment is defined, data for the electrical, mechanical and architectural groups are generated. The Architect yours our ours, works with the final equipment definitions and generates the layout that will be shown to the client at 10% design conceptual phase.

Once the client approves the layout, all disciplines including Civil if you need, will go to work based on the architect layout. On top of his layer, all engineering disciplines will show their equipment and will coordinate their design with *a one point of contact Design Project Manager*.

A Master Plan can be generated at this stage so that the client clearly understands the philosophy of the building and its future expansions.

Other meetings with the client are normally scheduled as needed or at 35% and 85% project completion, so that when we issue drawings for construction the client is fully aware of all solutions.

C&R REFRIGERATION is a very active and agile company focused on Development Projects in the US marketplace and abroad in Export Markets.

We at **C&R** have the capacity to assist clients such as yourselves in coordinating all the professional disciplines necessary for the planning, logistics, engineering and together build any development project.

With your people, and ours, we could have a great team.





**MOST SIGNIFICANT WALTER GAMEIRO PROJECTS / CLIENTS,
2003 TO 2010 :**

PATE . Tepatitlan MX Gardens Grapevine Dream Gardens	Blast Freezing Ammonia/CO2. State of the Art Co-Gen+ 12,000TR Absorption Chiller+ District AC. Co-Gen / Solar AC / 3,000 TR (Conceptual) Absorption Chiller+ District AC. (Conceptual)
Hospital de Durango Mexico Centro de Convenciones PROAN San Juan MX PATE Tetatiplan MX	HVAC (Pressurized system for virus migration control) HVAC-Radiant Floor Technology Chicken Manure, Electrical Co-Generation. Energy Reduction Program.
Edible Oil plant. Dom Rep.	Air Cond. 800TR / Heat converted from existing Boilers
Supervalu/Albertson's	Quincy FL—State of the Art Distribution Center Replacing Freon system with Ammonia.
Supervalu/Albertson's Supervalu/Albertson's Supervalu/Albertson's	Lancaster PA—Distribution Center Upgrade Portland ME—Distribution Center Upgrade Saint Louis MO—Distribution Center Upgrade
Circle Foods	San Diego CA World-wide State of the Art, NH3/CO2 plant (20% savings)
CIRCLE FOODS D. Miguel Foods Pilgrim's Pride Poultry Safeway / Tom Thumb Safeway / Tom Thumb OSI (McDonalds)	San Diego, CA. Dallas, TX El Dorado, AR Roanoke, TX Chicago, IL Chicago, IL
Kroger Dairy Kroger	Fort Worth, TX Riverside, CA
Megafrescos Frozen Vegetables Albertson's Distribution Center Epi Breads Sara Lee Bakery	Salamanca, MEXICO Denver, CO Dallas, TX Dallas, TX



Quick-To-Fix Foods

Dallas, TX

Perot Development
Marshall Durbin Poultry
Marshall Durbin Poultry

Galveston, TX
Hattiesburg, MS
Jasper, AL

Conagra Foods

Jonesboro AR

Pilgrim's Pride Poultry
Pilgrim's Pride Poultry
Pilgrim's Pride Poultry
Pilgrim's Pride Poultry
Pilgrim's Pride Poultry
Pilgrim's Pride Poultry

Waco, TX
Walker Creek, TX
Mount Pleasant, TX
Gainesville, GA
Nacogdoches, TX
Natchitoches, LA

Faenadora S. Vicente Poultry

Santiago, CHILE

Pilgrim's Pride Poultry

Dallas, TX

Alafrio Beef Chilling
 Alafrio Hog Chilling

Santa Fe, COLOMBIA
 Santa Fe, COLOMBIA

Crider Poultry

Stillmore, GA

Conagra Foods

Peru, IN

MMC Equipment Manufacturer

Windsor, MI

Land-O-Frost

Searcy, AR

Smokey Denmark

Austin TX



Walter D. Gameiro, CEO; Dir. Refrigeration

Areas of Proficiency:

Design & coordinate complete projects for food industries:

Refrigeration applications engineering
Food freezing, chilling and cold storage
Red meat, pork, poultry, fish and seafood technology
Fish drying plants
Fruits and vegetable industries
Dairy and Ice cream plants
Process chiller design
Heat pump design for indoor and outdoor swimming pools and service water
Thermal storage systems/Process air conditioning
Ammonia, CFC and HFC refrigerant systems.

Professional Affiliations:

AEE - Association of Energy Engineers. Atlanta GA

C&DGI - Cogeneration & Distributed Generation Institute of AEE. Atlanta GA.

EFRIARC. Lisbon - Portugal. (Honorary member)

(Portuguese Association of Industrial Refrigeration and Air Conditioning Engineers)

IIAR. - Washington DC-USA.(International Institute of Ammonia Refrigeration)

RETA. - Chicago IL-USA. (Refrigeration Engineers and Technicians Association)

ASHRAE.- Atlanta GA (American Society of Heating, Refrigeration and Air Cond. Engineers.)

I.I.F./I.I.R. - Paris-France (Institute International du Froid/ International Institute of Refrigeration)

SAIRAC. - Johannesburg – RSA (South African Institute of Refrigeration and Air Cond.)

AICARR - Milan – Italy (Association of Air Cond., Heating and Refrigeration Engineers)

APF. - Lisbon - Portugal (Portuguese Association of Refrigeration)

AMI - Arlington VA, USA (American Meat Institute)

AAMP - Elisabethtown PA, USA (American Association Meat Processors)

NFI - Arlington VA, USA (National Fisheries Institute)

IARW - Bethesda MD, USA (International Association of Refrigerated Warehouses)

WFLO - Bethesda MD, USA (World Food Logistics Organization)

Languages Fluently Spoken

English, Spanish, Portuguese and French.

Education

PhD, Mechanical Engineering (Thermodynamics).

Project Management Training Program of Carter & Burgess Inc.

Post Graduate, Business Administration. MBA (Marketing)

Post Graduate, Refrigeration and Air Conditioning.

Graduate. Mechanical Engineering. (1974)

Patent:

Holder of US Patent number 6,311,507 B1 dated Nov.6-2001 (Refrigeration System).

AMI – American Meat Institute:

Member of the Task Force to study and recommend to USDA regulations for Food Plant design in the United States.



EMPLOYMENT HISTORY:

Nov. 2003 - Present PHI ENGINEERING DESIGN & CONSULTING CORP.
(www.PHI-USA.com) Registered as a Corporation on December 5th, 2003.

1997 - Nov. 2003 CARTER & BURGESS / Fort Worth - Texas - USA.

His final position was National Director, Food Industry and Refrigerated Distribution.

Mr. Gameiro taught Food Plant Design to the C&B team of architects and engineers of all specialties as he was once more building up another team for the company.

He has initially accepted the position of Director of Refrigeration Engineering and Discipline Leader, with Marketing and Design responsibilities for the Retail/Distribution Division, Refrigeration and Food Industry Sub-Divisions. His job could be defined as bringing Carter & Burgess to being a player in the US market in five years; to start a Refrigeration department he taught a weekly in-house Refrigeration Class for the department in order to build the team and also did the cross training of other engineers in the company. He was promoted to Associate by the stockholders meeting of December 1998. A Patent has been filed in 2000 as inventor with Carter & Burgess, related to an Ammonia Refrigeration system and was finally registered in November 2001 with the number US 6,311,507 B1. That year he was promoted to National Director for Refrigerated Warehouses Engineering and he has been responsible for the Marketing Strategy plus implementation of the Refrigeration engineering in Refrigerated Warehousing, Distribution Centers and Food/Beverage Industry. In 2001 he has promoted an engineer to Refrigeration Discipline Leader and found a National Director for Food and Beverage. We can say that C&B was a national player after 5 years; C&B is currently the Market Leader for Distribution, having been a consistent second for the previous three years at ENR list of top Warehouse/Distribution Centers Engineering even when the first, consistently disappeared from the top ten the following year. In February 2002 he was promoted to his final position with the company.

1995 - 1996 C & R Refrigeration / Center - Texas - USA.

He has done the position of International Sales Engineer doing contract and design, both Food Process and Refrigeration Applications and Systems. Design new systems and re-design existing systems for various food industries (process and refrigeration), equipment selection and start-up responsibilities; marketing Latin America, occasionally US and some French speaking African countries who called in. Speak in seminars and write technical articles in Spanish as part of his marketing plan, for specialized American magazines such as "Alimentos Procesados and Industria Alimenticia". He taught in-house Refrigeration School to the company employees.



1994 - 1995 HASEGAWA USA Inc. / San Antonio - Texas - USA.

He was invited to join HASEGAWA USA Inc. in San Antonio on August 1994. He had the position of Vice President - Export and in charge of the export activities of the company. His responsibilities were the marketing, set up a network of agents and representatives throughout all countries of Latin American marketplace, to break into those markets. Travel to them, visit potential clients, collect data to design any adequate solutions, estimate, provide quotations, follow-up, go after the contracts, provide final design and drawings to enable the agents to erect under supervision and assist with start up whenever required.

1989 - 1995 Phillair Group / Gibraltar (closed in 1995)

He has opened his own International consulting engineering office, rendering services for the food industry, working together with process and food engineers, civil and electrical, water supply, waste water and sewage treatment, environmental and mechanical, besides naturally industrial refrigeration. He did the marketing and engineering. We offered design of complete projects for the food industries and did work for important European groups such as ABB (Swiss/Swede), Atlas (Denmark) and Cerekem International (Denmark), Globe Meat Technology (Denmark) especially in the field of slaughterhouses and meat processing plants.

1982 - 1994 Termodin Lda. / Lisbon - Portugal.

In March 1982 he started his own engineering and contracting company TERMODIN LDA specialized in Industrial Refrigeration and became sole agent of GRAM for Portugal in 1984. During all these years he was in charge not only of the technical side of the company but also its management. He started as a sales engineer naturally, and besides industrial refrigeration he designed and build quite a number of heat pumps for service water, outdoor and indoor pool heating. In July 1994 he negotiated the sale of this company to a Portuguese group, as he was invited to move to the US.

1980 - 1982 Frio Marecos Lda. / Santarem - Portugal

He was a sales engineer for a contractor in the field of Industrial Refrigeration (GRAM/Denmark and RECO/U.S.A.); he had design and project management responsibilities and he left on February 1982, with the position of technical director.

1976 - 1980 Sulzer Brothers (South Africa) Ltd. / R. South Africa.

He worked for SULZER BROTHERS of Switzerland in their Industrial Refrigeration division in Johannesburg, and left the position of assistant to the chief engineer of the Industrial Refrigeration division to live in Europe in 1980. He was a project engineer involved in design, management of large industrial projects in the food and chemical industries plus mining air conditioning.



1976 - 1980 Phillair (Pty) Ltd. / Republic of South Africa (closed in 1980).
His own consulting office to work only after hours and strictly in air conditioning projects.

1975 - 1976 Air Omatic Engineering (Pty) Ltd. / Republic of South Africa.
He was employed by AIR OMATIC ENGINEERING (PTY) LTD. Johannesburg, an Air conditioning contractor, as a sales engineer, involved in design and project management.

1974-1975 Agencia Mercantil Lda. / Mozambique.
After the army service he went back to work at his former company.

1971-1974 GEAC-Gabinete de Estudos de Ar Condicionado /Mozambique
During the army days he has opened his own air conditioning consulting engineering office.

1970 - 1974 Portuguese Army / Mozambique.
Appointed Chief of the Refrigeration Division / Portuguese Army with full responsibility over all territories of the Mozambique war front.

1968 - 1970 Agencia Mercantil Lda. / Mozambique.
His professional activity started in Lourenzo Marques / Mozambique, working with AGENCIA MERCANTIL LDA, which employed 1,000 people. He started as a draftsman in the Engineering department of the company covering the field of industrial electricity both in low and high voltage. Later he progressed to the air conditioning and Refrigeration department , working and studying at the University of Lourenzo Marques at the same time.

INVITED SPEAKER BY UNIVERSITIES:

UNIVERSITY OF ARKANSAS

Program: RTE Validation Procedures, for industry Production and Technical Directors
Invited by: Professor John Marcy, PhD
Fayetteville AR (October 7,8,9 - 2003)-(In English)
Lecture: Cooling and Freezing of RTE Foods.

UNIVERSITY OF ARKANSAS

Program: RTE Validation Procedures, for industry Production and Technical Directors
Invited by: Professor John Marcy, PhD
Fayetteville AR (October 7,8,9 - 2003)-(In English)
Lecture: Process Room Environmental Control.

UNINOVA– UNIVERSIDADE NOVA DE LISBOA

For Engineering Degree students, and University Professors.
Invited by: Professor Adolfo Steiger Garcao, PhD
Caparica / Portugal (Nov. 16 - 2001)-(In Portuguese)
Lecture: Energy Savings in large Projects.



_ ISEL – INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

For Refrigeration Engineering Degree students, and Industry guests.

Invited by: Professor Antonio de Matos Guerra
Lisbon/Portugal (May 21 - 2001)-(In Portuguese)

Lecture : Calculation and Design of Meat Process Room Cooling.

_ ISEL – INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

For Refrigeration Engineering Degree students, and Industry guests.

Invited by: Professor Antonio de Matos Guerra
Lisbon/Portugal (January 11 - 1999)-(In Portuguese)

Lecture : Designing an Ammonia liquid overfeed system.

_ ISEL - INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

For Refrigeration Engineering Degree students, and Industry guests.

Invited by: Professor Manuel Simoes
Lisbon / Portugal (January 11 – 1999)-(In Portuguese)

Lecture: Hydraulic Shock in Refrigeration Plants

_ UNIVERSITY OF COIMBRA (Founded 1290)

Invited by: Professor Doutor Vitor de Matos Lobo, PhD
Coimbra / Portugal (January 12 – 1999)-(In Portuguese)

Lecture : Sensible and Latent Heat Transfer Systems

_ UNIVERSITY OF COIMBRA (Founded 1290)

For Mechanical Engineering Degree students

Invited by : Professor Doutor Vitor de Matos Lobo, PhD
Coimbra / Portugal (January 12 - 1999)-(In Portuguese)

Lecture : Designing an Ammonia liquid overfeed system.

_ UNIVERSITY OF MINHO

For the students of Mechanical Engineering Degree

Invited by : Professor Heitor Manuel dos Santos Almeida, PhD, U. London
Guimaraes/Portugal (January 13 - 1999)-Portuguese

Lecture : Sensible and Latent Heat Transfer Systems

_ UNIVERSITY OF MINHO

For the students of Mechanical Engineering Degree

Invited by : Professor Heitor Manuel dos Santos Almeida, PhD, U. London
Guimaraes / Portugal (January 13 - 1999)-Portuguese

Lecture : Designing an Ammonia liquid overfeed system

_ ISEL - INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

For the students of Refrigeration Engineering Degree, plus Industry Guests

Invited by : Professor Antonio de Matos Guerra
Lisbon / Portugal (March 28 - 1998)-Portuguese

Lecture : Ammonia or R22? A Design Approach



_ ISEL - INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

For the students of Refrigeration Engineering Degree
Invited by : Professor Manuel Simoes
Lisbon / Portugal (March 27 - 1998)-Portuguese
Lecture : Liquid Transfer Systems Without Mechanical Pumps

_ UNAM - UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO

Graduate Students of Food Engineering Course, Teachers and Industry people
Invited by : Professor Rodolfo Cruz Rodriguez.
Mexico City - Mexico (September 1996) * 4 hour conference
Lecture : Microbiology and Industrial Refrigeration Plant Design. Spanish.

_ UNIVERSITY OF COIMBRA / Chemistry and Mechanical Engineering

(The second oldest University in Europe - Founded 1290)
Invited by : Professor Vitor M. de Matos Lobo. PhD.
Coimbra / Portugal (May 1994)-Portuguese
Lecture : Variable Humidity for Vegetable Cold Storage.

_ ISEL - INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

For the students: Refrigeration Engineering Degree Course
Invited by : Professor Antonio de Matos Guerra
Lisbon / Portugal (April 1994)-Portuguese
Lecture : Piston and Screw compressor Efficiencies Comparison in Industrial Refrigeration.

_ UNIVERSITY OF MINHO / Mechanical Engineering

For Mechanical Engineering students, teachers and guests.
Invited by : Professor Daniela Cruz
Guimarães / Portugal (May 1993)-Portuguese
Lecture : Industrial Refrigeration Compressors , Refrigerants post CFC ,
and Microprocessors in the Industry.

_ IEE - Instituto Electromecânico / Mechanical Engineering

For Refrigeration Engineering Degree Students
Invited by : Ing. Pedro Machado
Lisbon / Portugal (June 1993)-Portuguese
Lecture : Technological Options in Compression Systems.

_ ISEL - INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

For the students of Refrigeration Engineering Degree
Invited by : Professor Antonio de Matos Guerra
Lisbon / Portugal (April 1993)-Portuguese
Lecture : What is Industrial refrigeration .



SPEAKER IN SEMINARS :

_ 2003 IAR – AMMONIA REFRIGERATION CONFERENCE & EXHIBITION (International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

March 2003 , Albuquerque, NM. USA

Paper : CHILLING HOG CARCASSES (In Spanish)

_ 2002 59th ANNUAL MEETING (International)

I.A.R.W. - The International Association of Refrigerated Warehouses.

San Antonio, Texas/U.S.A. (April 15 - 2002)

Paper : Saving Energy Dollars in the Public Refrigerated Warehouse Industry.

(In English)

_ 2002 IAR – AMMONIA REFRIGERATION CONFERENCE & EXHIBITION (International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

March 2002 , Kansas City, MO. USA

Paper 1 – Energy Costs Are Changing Refrigeration Design. (In English)

Paper 2 - Costos Energeticos Estan Cambiando El Proyecto de Refrigeracion. (In Spanish)

_ 2001 AMI – WORLD FOOD TRADE SHOW (International)

AMI - The American Meat Institute

Chicago, Illinois/U.S.A. (October 18 - 2001)

Paper : Condensation Free Meat Processing Room Design. (In English)

_ 2001 VI IBERO-AMERICAN CONGRESS OF REFRIGERATION (International)

Organized by Asociacion Argentina del Frio

Buenos Aires – Argentina (August 16, 2001)

Paper – Meat Process Room Design (In English)

_ 2001 AMMONIA REFRIGERATION CONFERENCE & EXHIBITION (International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

Long Beach, California/U.S.A. (March 21 - 2001)

Paper : Pressurization and Air Treatment for Meat Process Rooms. (In Spanish)

_ 2000 IFT CONFERENCE & EXHIBITION

I.F.T. – Institute of Food Processors of Texas

Houston, Texas/U.S.A. (October 18 - 2000)

Paper : Cold Storage & Energy Savings. (In English)

_ 2000 IARW SOUTHWEST CHAPTER REGIONAL MEETING

I.A.R.W. - International Association of Refrigerated Warehouses

Miami, Florida/U.S.A. (September 14 - 2000)

Paper : Refrigerated Warehousing. (In English)



_ 2000 AMMONIA REFRIGERATION CONFERENCE & EXHIBITION (International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

Nashville, Tennessee/U.S.A. (March 21 - 2000)

Paper : Cutting and Boning Room Design. (In English)

_ 2000 AMMONIA REFRIGERATION CONFERENCE & EXHIBITION (International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

Nashville, Tennessee/U.S.A. (March 21 - 2000)

Paper : Heat Transfer, Refrigeration Systems and Its Piping. (In Spanish)

_ 1999 V IBERO-AMERICAN CONGRESS OF REFRIGERATION (International)

Organized by EFRIARC and APIRAC

Lisbon – Portugal (October 1999)

Paper – Industrial Refrigeration Systems (In Portuguese)

_ 1999 AMMONIA REFRIGERATION CONFERENCE & EXHIBITION (International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

Dallas , Texas / U.S.A. (March 23 - 1999)

Paper : Why do we need Industrial Refrigeration. (In Spanish)

_ 1998 PIECING IT ALL TOGETHER-(International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

Colorado Springs, Colorado/U.S.A. (March 17 - 1998)

Paper 1 : Ammonia or R22? A design approach (In English)

Paper 2 : What in the world is wrong with this plant?

Problem/Solution Session. (In English)

_ 1994 AMMONIA THE RIGHT STUFF (International)

I.I.A.R. - The International Institute of Ammonia Refrigeration

St. Louis, Missouri/U.S.A. (March 1994)

Paper : Variable Humidity for Vegetable Cold Storage. (In English)

(Published by IIF / IIR - Paris.)

(Repeated in Spanish at the IIAR seminar in Mexico City, September 20, 1995)

_ 1996 I.I.A.R. - The International Institute of Ammonia Refrigeration (International)

MEXICO - International Regional Meeting (September 1996)

Paper : Basic Principles when designing a fish industry. (In Spanish)

Mexico City - (September 24 - 1996)

_ 1996 FIRST ANNUAL LATIN AMERICAN FROZEN DESSERT SEMINAR

Organized by Germantown International, Ltd.

Miami / Florida - U.S.A. (April 14-16, 1996)

Paper : Industrial Refrigeration in Ice Cream Plants. (In Spanish)



_ C&R - REFRIGERATION SEMINAR FOR PLANT ENGINEERS

Organized by C&R Refrigeration Inc.
 Salamanca / Mexico - (September 9-10, 1996)
 Papers : 9 papers in two days. (In Spanish)

_ EXPOCLIMA / 94 (International)

Organized by APIRAC, Lisbon / Portugal (April 1994)
 Associação Portuguesa da Industria de Refrigeração e Ar Condicionado.
 Paper : Technological Options Between Compression Systems in Industrial Refrigeration.
 (In Portuguese)

_ INDUSTRIAL REFRIGERATION

ISEL - Instituto Superior de Engenharia de Lisboa. Lisbon / Portugal (June 1992)
 Seminar organized by the graduates of the first course of Refrigeration
 Engineers in Portugal at the end of their graduation ceremony.
 Paper: Screw vs. Reciprocating Compressor Efficiency Comparison. (In Portuguese)

_ RENEWABLE ENERGIES SEMINAR

Organized by CSOP - Conselho Superior de Obras Publicas.
 (Superior Counsel for Public Works / P.W. Ministry)
 Lisbon / Portugal (October 1986)
 Paper: The use of HEAT PUMPS in Indoor Swimming Pools and Sports Halls.
 (In Portuguese)

_ INDUSTRIAL REFRIGERATION SEMINAR.

Organized by TAAG - Angola Air Lines
 Luanda / Angola (April 1984)
 Paper: Industrial Refrigeration, A to Z. (In Portuguese)

MOST SIGNIFICANT JOBS, 1994 TO 2003 :

List of jobs between 1969 and 1994, (Europe and Africa) available upon request

233) CONAGRA Proj. 13 (Texas)	Raw and RTE Food Production Facility Significant Expansion. Concept and special systems Concept and special systems design.	20.10
233) PUBLIX ASRS - FDC (Atlanta GA)	Robotized Food Distribution Center. Ammonia Liquid Overfeed with Two Stage Booster System and Mechanical Pumps. <i>New concept in Thermo-siphon Oil Cooling with Controlled Condensing Pressure</i>	20.90



232) Wal-Mart FDC (Mexico City MX)	Robotized Food Distribution Center. Ammonia Liquid Overfeed with Two Stage Booster System and Mechanical Pumps. 42M. Ton Ice Machines plus 100Ton Ice Bin New concept in Thermo-siphon Oil Cooling with Controlled Condensing Pressure	20.90
228) Wal-Mart FDC Expansion (Clarksville AR)	Food Distribution Center Expansion Ammonia Liquid Overfeed Liquid Transfer by Hot Gas. CPR System	20.90
227) Wal-Mart FDC Expansion (Temple TX)	Food D. Center Expansion & Redesign Ammonia Liquid Overfeed Liquid Transfer by Hot Gas. CPR System.	20.90
226) SAFEWAY/RANDALLS (Roanocke TX)	Food Distribution Center. Replace a R22 DX system with Ammonia. VFD technology	20.90
225) Wal-Mart FDC (Garrett IN)	Food Distribution Center.	20.90
224) Wal-Mart FDC (Terrell TX)	Food Distribution Center.	20.90
223) Wal-Mart FDC (Monroe GA)	Food Distribution Center.	20.90
222) Wal-Mart FDC (Harrisonville MO)	Food Distribution Center.	20.90
221) Wal-Mart FDC (Johnston NY)	Food Distribution Center.	20.90
220) Wal-Mart FDC (Opelika AL)	Food Distribution Center.	20.90
219) Wal-Mart FDC (Corinne UT)	Food Distribution Center.	20.90
218) Wal-Mart FDC (Tomah WI)	Food Distribution Center.	20.90



217) Wal-Mart FDC Expansion (Olney IL)	<i>Food Distribution Center Expansion</i>	20.90
216) Wal-Mart FDC (Hammond LA)	<i>Food Distribution Center.</i>	20.90
215) Wal-Mart FDC (Shelbyville TN)	<i>Food Distribution Center.</i>	20.90
214) <i>HEB</i> (San Antonio TX)	<i>Re-design. Ice Cream refrigeration system</i>	20.20
213) <i>ENRON (REDDY ICE)</i> (Dallas TX)	<i>Re-engineering of the Ice manufacturing</i>	20.90
212) <i>PILGRIM'S PRIDE</i> (Nacogdoches TX)	<i>Chicken, Further Processing plant.</i>	20.30
211) <i>PILGRIM'S PRIDE</i> (Waco TX)	<i>Chicken, Further Processing plant.</i>	20.30
210) <i>PILGRIM'S PRIDE</i> (Mount Pleasant TX)	<i>Chicken, Further Processing</i>	20.30
209) <i>CONAGRA FOODS</i> (throughout USA)	<i>Poultry Food Distribution Centers</i>	20.30
208) <i>Ranchers Lamb of Texas</i> (San Angelo TX)	<i>Lamb Cutting Boning & Packing</i>	20.10
207) <i>Trammel Crow</i> (Dallas TX)	<i>Airport Cargo Facility for Cut Flowers</i>	20.30
206) Wal-Mart FDC (Pauls valley OK)	<i>Food Distribution Center.</i>	20.90
205) Wal-Mart FDC (Los Lunas NM)	<i>Food Distribution Center.</i>	20.90
204) Wal-Mart FDC Expansion (Winter Haven FL)	<i>Food Distribution Center Redesign</i>	20.90



203) Wal-Mart FDC Expansion (Pageland SC)	<i>Food Distribution Center Expansion</i>	20.90
202) Wal-Mart Prototype (Any Town, U.S.A.)	<i>Food Distribution Center. As a Design Engineer.</i>	20.90
201) ODESSA ICE RINK (Texas)	Competition Size Ice Rink	79.90

LATIN AMERICA:

231) Faenadora Rosario (Chile)	Hog Slaughter, Processing & FP Plant	20.10
230) Los Fiordos (Chile)	Fish Processing Plant	20.90
229) Faenadora S. Vicente (Chile)	Chicken Slaughter, Processing & FP Plant	20.30
200) PESQUERIA DEL SIGLO (Mexico)	FISH PROCESSING PLANT Layout and Refrigeration Design IIAR Paper (1996) in Mexico City.	20.90
199) FLORALPA SA (Ecuador)	Dairy Plant	20.20
198) FRIGORIFICOS CABORCA (Caborca, Mexico)	Fruit Processor	20.30
197) COPOCONSA SA (S.Luis Potosi, Mexico)	Ice Cream Factory	20.20
196) AYVI SA, RASTRO (Monterrey, Mexico)	Chicken Slaughterhouse	20.10
195) PROCESADORA CHECO (Dominican Republic)	3 SLAUGHTERHOUSES, Hog, Cattle, Poultry Meat Processing, Sausage factory,	20.10



194) EMPACADORA TREVINO (Monterrey, Mexico)	MEAT PACKING PLANT	20.10
193) UNION GANADEROS LECHEROS de Cd. JUAREZ	MILK PROCESSOR	20.20
192) MEGAFRESCOS DEL BAJIO (Salamanca, Mexico)	FRESH VEGETABLE PROCESSOR	20.30
191) PRODUCTOS FRUGO (Salamanca, Mexico)	FROZEN VEGETABLE PROCESSOR	20.30
188) CAPITOL COLD STORAGE (Nicaragua)	DISTRIBUTION CENTER	20.90
187) CABRERA. (Dominican Republic)	SLAUGHTERHOUSE. Cattle	20.10
186) ANGELO ZANCHI (Ecuador)	FRUIT COLD STORAGE	20.30
184) EMPACADORA SERMA (Monterrey. MX)	MEAT PACKING PLANT	20.10
183) QUIMICA CENTRAL (Lima. PERU)	BLOCK ICE PLANT/FREEZERS	20.90
182) AYVI EMPACADORA (Monterrey. MX)	MEAT (Beef) PACKING PLANT	20.10
181) AMISDAD BEEF Co. (Eagle Pass, TX)	SLAUGHTERHOUSE + Packing plant	20.10