



GLOBAL COLD CHAIN ALLIANCE®



20 22 ANNUAL REPORT

**FORGING A GLOBALLY STRONG COLD CHAIN WHERE FOOD
PRODUCTS RETAIN QUALITY AND SAFETY THROUGH EACH LINK.**



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A MESSAGE FROM GCCA CHAIRMEN

It was an honor to serve as your chairmen in 2022. For a few of us, our terms ended in December and we are now contributing as Immediate Past Chairs. We are extremely proud of all that has been accomplished over the past 365 days. Being a volunteer leader for the organization has afforded us a tremendous opportunity to work with our fellow board members to set the strategic direction of the associations and keep it on a path of continued growth and success. We were also lucky enough to meet so many members around the world as face-to-face meetings returned and travel complications eased.

It was great to be able to bring back in-person training, hosting the Institute West in Tempe, Arizona, and Institute East in Atlanta, Georgia, and the Latin America Institute in Mexico City. We certainly missed seeing our Institute students in 2021 so it was rewarding to see the students again learning from industry experts, getting to know each other, and having a bit of fun, too.

We continued to find ways throughout the year to connect our members with one another. We continued to hold “Cold Connection” events and all our regional conferences and congresses, including the 130th IARW-WFLO Convention and CEBA Conference and Expo, were held in person this year. It was great to be able to see and experience industry professionals coming together again in North America, Europe, Africa, Latin America and Brazil.

Our WFLO international project work bounced back significantly, with staff and members going out into the field to work on projects in Bangladesh, Cambodia, Dominican Republic, Egypt, Georgia, Ghana, and Thailand. Staff attended several international meetings to discuss the cold chain and its role in reducing food loss and waste. This included meetings conducted by the United Nations. To address this important issue, the foundation has formed new partnerships with Feeding America and the Global Foodbanking Network and we have launched a new food loss and waste initiative offering information and resources to food banks and food redistribution organizations across the world.

This past year continued the positive momentum for the industry and all of the core partners of GCCA and we are excited to see that momentum continue.

We look forward to continuing to work with our staff, members, and industry colleagues to make 2023 the best year yet.



BEING A VOLUNTEER LEADER FOR THE ORGANIZATION HAS AFFORDED US A TREMENDOUS OPPORTUNITY TO SET THE STRATEGIC DIRECTION OF THE ASSOCIATIONS AND KEEP IT ON A PATH OF CONTINUED GROWTH AND SUCCESS.



Manuel Cabrera Kabana
IARW Chairman



Daniel Kaplan
WFLO Chairman



Marko Dzeletovich
CEBA Chairman



Todd Lanter
IRTA Chairman



GCCA IS THE COLD CHAIN, REPRESENTING ALL MAJOR SECTORS OF THE COLD CHAIN INCLUDING WAREHOUSING, LOGISTICS, CONTROLLED ENVIRONMENT CONSTRUCTION, TRANSPORTATION, AND INTERNATIONAL DEVELOPMENT.



GCCA members are experts and leaders in the temperature-controlled perishable products industry and are committed to forging a universally strong cold chain where every product retains quality and safety through each link of the chain.



WAREHOUSING & LOGISTICS

The warehousing sector of GCCA focuses on promoting excellence in global temperature-controlled warehouse and logistics through research, industry benchmarking, networking, and education.



TRANSPORTATION

GCCA's transportation division fosters good commercial and trade relations between transportation companies, their suppliers, and customers; gathers and disseminates data and information to members; and protects the interests of its members from unlawful and unjust measures and practices.



CONSTRUCTION

GCCA core-partner, Controlled Environment Builders Association (CEBA), provides a forum for innovative ideas, promotes standards of practice, and sponsors professional education programs for the temperature-controlled construction industry.



GLOBAL DEVELOPMENT PROJECTS

GCCA's global development work, conducted through the World Food Logistics Organization (WFLO), delivers training and research to the industry and empowers economic development by strengthening the cold chain globally.



GCCA MEMBERS ARE EXPERTS + LEADERS IN THE TEMPERATURE-CONTROLLED PERISHABLE PRODUCTS INDUSTRY





WE ARE THE COLD CHAIN



1500+

MEMBER
COMPANIES
WORLDWIDE



92

COUNTRIES



49%+

MEMBERS FROM
OUTSIDE NORTH
AMERICA



INTERNATIONAL OFFICES

AFRICA, BRAZIL, EUROPE, INDIA, AND LATIN AMERICA

99%

OF AMERICAN
HOUSEHOLDS
HAVE FROZEN
FOODS



1,200+
FACILITIES

6.3+
BILLION FT.³

of temperature controlled
warehouse capacity worldwide



719 M

**TOTAL CAPACITY OF
REFRIGERATED WAREHOUSES**

*in cubic meters



GCCA ensures food
safety, security and
reliable access to over

**213 BILLION
POUNDS**

an equivalent to 122M+
pallets, of perishable
food annually.*





MESSAGE FROM PRESIDENT AND CEO

As I look back on 2022, I am extremely proud of everything that our staff, our board leadership and our members were able to accomplish over the course of an extremely busy year of **growth and progress**.

Operationally and programmatically, all our core partners were able to improve and grow member programs, events, and services. The IARW-WFLO Convention in San Diego, the CEBA Conference and Expo, and regional events held across the world all saw record sponsorship and registration numbers. Our award rate and revenue for WFLO international project work were near **record numbers** as we once again were able to put boots on the ground and assist with cold chain development around the globe.

As we celebrate the many successes of 2022, it is also important to note the tremendous amount of time and effort put in by our boards of directors. These volunteer leaders dedicated their time and expertise and contributed to decisions that will **strengthen our ability to serve all of our members** across the world moving forward.

Announced in the summer of 2022, the boards of the International Association of Refrigerated Warehouses (IARW) and International Refrigerated Transportation Association (IRTA) agreed to **merge into one organization and to be called the Global Cold Chain Alliance (GCCA)** effective in 2023. Operating as one organization also affords us a tremendous opportunity to showcase thought leadership and enhance cross community engagement between two vital sectors of the global supply chain.

In addition, the board of governors for the World Food Logistics Organization (WFLO) undertook a strategic planning initiative to better clarify the mission and focus of the foundation arm of GCCA. Through the work of a task force – comprised of members from WFLO, IARW, IRTA and CEBA – **three key components of a new strategic plan emerged – research, training and cold chain development**. The strategic plan will create the pathway for the foundation to be the go-to source of data/intelligence for the industry, to provide best in class training for the cold chain work force and to continue to develop temperature-controlled infrastructure in emerging markets.

During this planning process, it was determined that a change was needed to better align the name of the foundation and its vision for the future. The result is **WFLO is now the Global Cold Chain Foundation (GCCF)**.

The Controlled Environment Building Association (CEBA) has made updates to their governance that will better position them **to provide additional valuable member programs and grow their presence globally**. CEBA will continue to have a strong relationship with both GCCA and GCCF and be a key partner in joint initiatives. These include advocating on behalf of the industry, educating and training future leaders and developing valuable tools and resources for the collective memberships.

While 2022 was a great year, I am extremely excited about what has yet to come in 2023 and beyond. The associations have never been stronger, and we are in a fantastic position to continue to grow the organization and the value proposition that we serve to our members in 2023 and beyond. **Here's to another great year!**



Matthew R. Ott
President & CEO • Global Cold Chain Alliance



MEMBER VISITS





GCCA CONNECTS

COLD CHAIN CONNECTIONS ACCROSS THE WORLD

Designed to bring together GCCA members and suppliers in-person, the GCCA's Cold Chain Connection attracted hundreds of cold chain professionals from throughout the world for a day of knowledge sharing and networking and some were followed by an opportunity to have some fun by participating in an industry golf event.



THE COLD CHAIN





GCCA CONNECTS

GCCA EUROPEAN COLD CHAIN CONFERENCE ROTTERDAM, THE NETHERLANDS

Europe's one and only venue bringing together cold store operators, refrigerated transporters (road, sea, air, rail), controlled-environment builders, equipment suppliers and service providers to discuss challenges, opportunities and innovations of this essential sector.

In 2022, over 125 cold chain professionals from throughout Europe and around the world participated in the conference. Making it the highest attended European Cold Chain Conference to date.



GCCA AFRICA COLD CHAIN CONFERENCE CAPE TOWN, SOUTH AFRICA

Over 100 cold chain professionals from around the region and the world participated in GCCA's first ever Cold Chain Conference in Africa. Participants heard from industry experts, government officials and business executives. With plenty of networking activities held throughout the event, delegates were able to create new relationships and strengthen existing partnerships.



THE COLD CHAIN

GCCA BRAZIL COLD CHAIN CONGRESS

SAO PAULO, BRAZIL

This educational event focuses exclusively on the temperature-controlled logistics industry in Brazil and features opportunities for learning, knowledge sharing, networking and finding solutions for business development. Over 125 individuals attended in 2022.



GCCA LATIN AMERICA COLD CHAIN CONGRESS

BOGOTÁ, COLOMBIA

This event allows leaders in the Latin American temperature-controlled industry to interact, learn about industry trends and expand their knowledge and serves as a discussion forum for issues of interest to multi-regional cold chain industry leaders.





GCCA CONNECTS

GCCA GLOBAL COLD CHAIN POLICY FORUM VIRTUAL

By conducting this event virtually in 2022 we were able to make this the premier policy event for businesses engaged in the temperature-controlled logistics industry around the world. The 2022 Policy Forum hosted educational sessions for members in Europe, Africa, Brazil, Latin America, Canada and the United States and put the cold chain at the top of the minds for global policy makers.

Special Guest Confirmed Next Week: GCCA Global Policy - Virtual Event

We are pleased to announce that U.S. Senator Debbie Stabenow of Michigan, Chairwoman, U.S. Senate Committee on Agriculture, Nutrition, and Forestry – will be joining us next week at the GCCA Global Policy Forum.

You are invited to attend at no cost. Register Today! <https://bit.ly/34oWLda>




CONFIRMED SPEAKER

U.S. SENATOR DEBBIE STABENOW



Global Cold Chain Alliance (GCCA)
9,281 followers
6mo • 🌐

#TOMORROW the GCCA Global Virtual Policy Forum will kickoff at 10:30 AM est where you will have the opportunity to hear from **Matthew Ott, MS, FASAE, CAE, CMP**, President & CEO, GCCA, **Lowell Randel**, SVP of Government & L...see more




KEYNOTE CONFIRMED

SECRETARY OF AGRICULTURE TOM VILSACK - USDA



LINK UP WITH GCCA

 @gccaoorg

 Global Cold Chain Alliance (GCCA)

 @globalcoldchainalliance

 community.gcca.org/home



Controlled Environment Building Association (CEBA)
543 followers
3mo • 🌐

Controlled Environment Building Association (CEBA) Chairman, Marko Dzeletovich kicks off the 42nd CEBA Conference & Expo with record attendance and a full exhibit hall! ...see more





Matthew Ott, MS, FASAE, CAE, CMP • 1st
President & CEO at Global Cold Chain Alliance (GCCA)
9mo • 🌐

What a week in Barcelona! We started with the Global Cold Chain Alliance (GCCA) European Logistics Council meetings and tours of vendors in Mercabarna. We then wrapped up the week spending time with IAF ...see more




Global Cold Chain Alliance (GCCA)
9,281 followers
11mo • 🌐

#News: GCCA Announces European Future Leader Award Recipient
Breaking Attendance at European Cold Chain Conference

Tatiana de Oliveira Nascimento • 1st
Gerente na Global Cold Chain Alliance (GCCA)
2mo • 🌐



THE COLD CHAIN

IARW-WFLO CONVENTION SAN DIEGO, CALIFORNIA

In 2022, a record 473 attendees from 15 countries participated in the IARW-WFLO Convention - the #1 event for executives of temperature-controlled warehousing and logistics. The event also attracted a record number of exhibitors with over 35 companies showing their products and services in the Supplier Showcase. Attendees enjoyed valuable networking and educational offerings throughout the convention.



CEBA CONFERENCE AND EXPO AMELIA ISLAND, FLORIDA

The only event in the world dedicated to best practices in controlled environment facility construction, design, and maintenance and home to the CEBA expo. Attendees also got to hear from the CEBA Built by the Best Award Finalist and learn about the latest in design/built in the controlled environment space. In 2022, a record breaking 400 professionals took part in the event.





2023 CALENDAR

2023 GCCA, GCCF AND CEBA EDUCATION, TRAINING & NETWORKING EVENTS

MARCH	26TH GCCA EUROPEAN COLD CHAIN CONFERENCE & EXPO 20-22 MARCH 2023 - Barcelona, Spain
MAY	WFLO INSTITUTE AUSTRALIA 2-4 MAY 2023 - Melbourne, Australia
JUNE	GCCA COLD CHAIN POLICY FORUM 19-21 JUNE 2023 - Washington, DC The Watergate Hotel
JULY	WFLO INSTITUTE LATIN AMERICA 17-19 JULY 2023 - Mexico City, Mexico Hilton Mexico City Reforma
AUGUST	GCCA SOUTH AFRICAN COLD CHAIN CONFERENCE 2-4 AUGUST 2023 - Cape Town, South Africa
SEPTEMBER	132ND GCCA CONVENTION 24-27 SEPTEMBER 2023 - Scottsdale, Arizona The Westin Kierland
OCTOBER	GCCA BRAZILIAN COLD CHAIN CONGRESS TBD OCTOBER 2023 - Sao Paulo, Brazil
NOVEMBER	43RD CEBA CONFERENCE & EXPO 11-14 NOVEMBER 2023 - Palm Springs, CA Omni Racho Las Palmas
	GCCA LATIN AMERICAN COLD CHAIN CONGRESS TBD NOVEMBER 2023 - Mexico City, Mexico
2024 FEBRUARY	59TH WFLO INSTITUTE EAST 4-6 FEBRUARY 2024 - Atlanta, Georgia, United States Georgia Tech Hotel & Conference Center
	59TH WFLO INSTITUTE WEST 27-29 FEBRUARY 2024 - Tempe, Arizona, United States Tempe Mission Palms Hotel at Arizona State University



COLD CHAIN TRAINING

The WFLO Institute is a three-day industry-specific program for professionals engaged in temperature-controlled logistics, offering more than 40 classes taught by leading experts in the industry. **The curriculum takes students through cold chain management, customer service, employee safety, food safety, warehouse operations, transportation operations, and professional development.**



WFLO INSTITUTE WEST Tempe, AZ • June 2 - 4, 2022



189

STUDENTS



36

YEAR 3
GRADUATES

WFLO INSTITUTE EAST Atlanta, GA • June 12 - 14, 2022



121

STUDENTS



17

YEAR 3
GRADUATES

WFLO INSTITUTE LATIN AMERICA Mexico City, Mexico • July 11 - 13, 2022



47

STUDENTS



8

YEAR 3
GRADUATES



EXPANDED ADV



MONTHLY ADVOCACY WEBINARS

GCCA delivered 12 monthly Advocacy webinars in 2022 to provide updates on the latest developments impacting the cold chain, including congressional legislation and regulatory actions from federal agencies.



GRASSROOTS CAMPAIGNS

The platform enables members to participate in grassroots campaigns. With just a few clicks, GCCA members have made their voices heard to their Members of Congress on important legislative issues impacting the industry.



WASHINGTON WEEKLY

This weekly e-newsletter provides members real time updates on all the policy happenings coming out of Washington, D.C.



CANADA MONTHLY

This monthly e-newsletter allows members to get real time updates on all the policy happenings coming out of Canada.



INTERNATIONAL ADVOCACY

GCCA Canada has partnered with the government affairs firm TACTIX to assist the association with its advocacy efforts in country. In addition, GCCA Brazil continues to advocate on behalf of the industry in Brazil with a government affairs consultant based in the country's capital, Brasilia, to improve advocacy efforts for

regional members. Both experts assist members with a variety of regulations, succeed on intervening on numerous issues impacting the industry and have been working to find ways to ensure the cold chain has a seat at the table.

Priorities: GCCA conducted advocacy priority surveys in Canada, Europe/UK and the United States to identify the key focal areas for GCCA advocacy programs in those regions. The top priorities identified were: Labor, Food Safety, Occupational Safety, Energy, and Sustainability/Refrigerants.

Visit advocacy.gcca.org to learn more about the policy initiatives and wins GCCA has had on behalf of the globe cold chain.

VOACACY EFFORTS



WHITE HOUSE

In 2022, GCCA met with the White House on numerous occasions to discuss key policy issues impacting the cold chain. GCCA has leveraged these relationships to highlight key issues such as supply chain disruptions, rail and port labor, food security and nutrition. GCCA continues to work with the Administration to help address the challenges our industry faces.



FDA

GCCA met with senior agency leaders, including Commissioner Califf, on multiple occasions to advance GCCA priorities on FDA regulations, enforcement policies and overall operations of the agency's food programs.



USDA

GCCA led a coalition of industry partners and the Port of Houston to secure USDA funding to build a refrigerated chassis pool at the port to facilitate growing export demand.



CONGRESS

GCCA is actively engaging with Congress to address the challenges facing our industry by briefing the House and Senate Agriculture committees on a regular basis. GCCA successfully worked with Congress and coalition partners to secure passage of important legislation including the Ocean Shipping Reform Act and the Food Donation Improvement Act. GCCA and coalition partners were also successful in expressing opposition to concerning legislative proposals such as the PRO act.





ADVOCATING FOR THE COLD CHAIN



REGULATIONS

In 2022, GCCA continued its ongoing efforts to address regulatory issues impacting the cold chain. GCCA provided comments and testimony to federal agencies including USDA, FDA, EPA and OSHA covering a wide range of regulatory programs and policies.



COALITIONS

GCCA actively participated in over 20 coalitions during 2022. Through these coalition efforts, GCCA met with key policy makers across Congress and the Administration as well as signed multiple letters advocating on policies including pandemic relief, taxes, supply chain, labor, trade, transportation and the environment.



LEGAL

Enabled by Advocacy Fund resources, GCCA helped lead a successful amicus brief on OSHA litigation that set an important precedent related to emergency response related to ammonia releases.



CANADIAN ADVOCACY

Through its new advocacy partnership, GCCA has greatly increased its visibility and impact with the Canadian government. In 2022, GCCA participated in consultations on key policy issues including: supply chains, regulations, labour, agricultural policy framework, transport, cyber security, and the budget. GCCA has held meetings with high-ranking officials from key government agencies including CFIA, Agriculture and Agri-Food Canada, Transport Canada and the National Supply Chain Task Force.

THANK YOU TO OUR 2022 ADVOCACY FUND CONTRIBUTORS

FOUNDER



CHAMPION



LEADER



BUILDER



ADVOCATE





GCCA NEXTGEN FUTURE LEADER AWARD

Candidates for the 2022 GCCA Global NextGen Award were nominated by national refrigerated warehousing organizations to compete virtually for the global award.

Larna Jodamus CCS Logistics, South Africa

2022 GCCA Africa Future Leader Award Recipient



AWARD FINALISTS



Mark Jackson
Linfox, Australia
2022 RWTA Frank Vale Award Recipient



Corrin Hill
Lineage Logistics, United Kingdom
2022 GCCA Europe Future Leader Award Recipient



Malvin Fabal
Rannik, Dominican Republic
2022 GCCA Latin America Future Leader Award Recipient



Kulsoom Khan
Congebee, Canada
2022 GCCA Don Schlimme North American Future Leader Award Recipient



CEBA BUILT BY THE BEST AWARDS

The CEBA Built by the Best Award is given each year to a member company whose project shows a commitment to industry-changing innovations, exceeding customer expectations, positively impacting the cold chain, and contributing to society at

large through food safety, trade development, job creation, and more. In 2022, CEBA expanded the Award Program by recognizing projects over and under \$35 million.

BUILT BY THE BEST AWARD OVER \$35 MILLION - GRIFFCO DESIGN/BUILD

For its winning entry, Griffco Design/Build was selected to complete Phase 1 of Americold Logistics' Gateway project in Atlanta, Georgia. It encompassed the demolition of a 440,000-square-foot existing cold storage building and the construction of a new, 200,000-square foot automated freezer facility. Parameters for the new Gateway facility included a 150-foot, -10-degree ASRS, -10 degree low-bay freezer; 35-degree truck and rail dock; and a two-story office building. The ASRS included 41,000 pallet positions, while the low-bay freezer included 6,000, totaling 47,000 pallet positions.

GRIFFCO DESIGN/BUILD



Built in partnership with 17 CEBA Members:

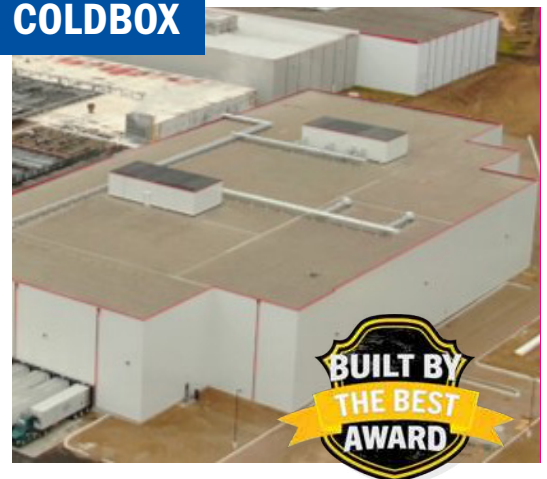
- ALTA Refrigeration, Inc.
- American Thermal System, Inc.
- AutoMak Assembly, Inc.
- BITZER U.S., Inc
- Chemours
- Cold Storage Construction Services Inc.
- Danfoss
- Dupont Performance Building Solutions
- Evapco Inc.
- Fastener Systems, Inc.
- Global Insulated Doors Inc.
- Green Span Profiles
- Honeywell
- Johns Manville
- Körber Supply Chain, NA
- Meadowood Enterprises, LLC
- Metl-Fab, Inc.
- Protectowire FireSystems

- Puga Thermal Services
- RHH Foam Systems Inc
- Rytex High Performance Doors
- Shadco LLC
- Shambaugh & Son, L.P.
- Super Radiator Coils
- TrueCore
- Twintec Kalman Floor

UNDER \$35 MILLION CEBA BUILT BY THE BEST AWARD RECIPIENT - COLDBOX

When Confederation Freezers saw business boom, it acted quickly to hire Coldbox to expand and alter its current facility by 109,000 square feet in an effort to meet the rising demand of customers. Coldbox's progressive design-build approach with Confederation Freezers was a partnership rather than a competitive bid scenario, which allowed the company to focus on the business's future growth needs collectively. The design process for the project started in January 2019, demolition commenced March 2019, construction began July 2019 and the facility was substantially performing by January 2021. Comprised of two cold rooms, the project included one space operating as a freezer/cooler swing space, where the temperature could be set anywhere from 39°F to -13°F, depending on demand. This room was adjacent to a freezer continuously operating at 0°F.

COLDBOX



Built in partnership with 7 CEBA Members:

- Berner Air Curtains
- Danfoss
- Emerson
- Evapco Inc

- Honeywell * Shadco LLC
- Twintec Kalman Floor
- Victaulic



SETTING THE INDUSTRY STANDARD

THE CERTIFIED COLD CARRIER

The global Certified Cold Carrier program managed by the Global Cold Chain Alliance provides independent, third-party assurance that asset-based refrigerated carrier companies are aligned with industry-prescribed best practices for the safe and sanitary transport of food perishables. These best practices are published in GCCA's Refrigerated Transportation Best Practices Guide and are based on the Sanitary Transportation of Human and Animal Food (STF) rule of the U.S. Food Safety Modernization Act (FSMA). For 2022, United States Cold Storage fulfilled the requirements to be awarded Certified Cold Carrier. The Program now has thirteen certified carriers: Charger Logistics Inc, Congebec Logistics, Daytona Freight Systems, FFE Transportation Services, FLGO Freight, JB Hunt, Midwest Refrigerated Services, Inc., Penske Logistics, Prime, Inc., Sethmar Transportation Inc., Trailiner, United States Cold Storage.



THE GCCA ENERGY EXCELLENCE RECOGNITION PROGRAM (EERP)

Warehouse energy usage is the second highest cost in the cold storage industry behind labor. Managing energy usage costs is a high priority for temperature-controlled facilities. The Global Cold Chain Alliance's Energy Excellence Recognition Program (EERP) provides measures to improve energy efficiency at temperature-controlled facilities. EERP also communicates each facility's progress in meeting sustainability objectives to customers, highlighting partnerships with cold chain sustainability. The program now has over 200 recognized refrigerated warehouses. Companies participating in EERP are Americold Logistics, Congebec Logistics, MW Cold, and MTC Logistics.





INTERNATIONAL PROJECTS



2022 WFLO PROJECTS

22 COUNTRIES SERVED

Algeria, Bangladesh, Benin, Cambodia, Dominican Republic, Egypt, Ethiopia, Fiji, Georgia, Indonesia, Kazakhstan, Kyrgyzstan, Libya, Morocco, Pakistan, Philippines, Tajikistan, Thailand, Tunisia, Turkmenistan, Uzbekistan, and Vietnam



16
PROJECTS

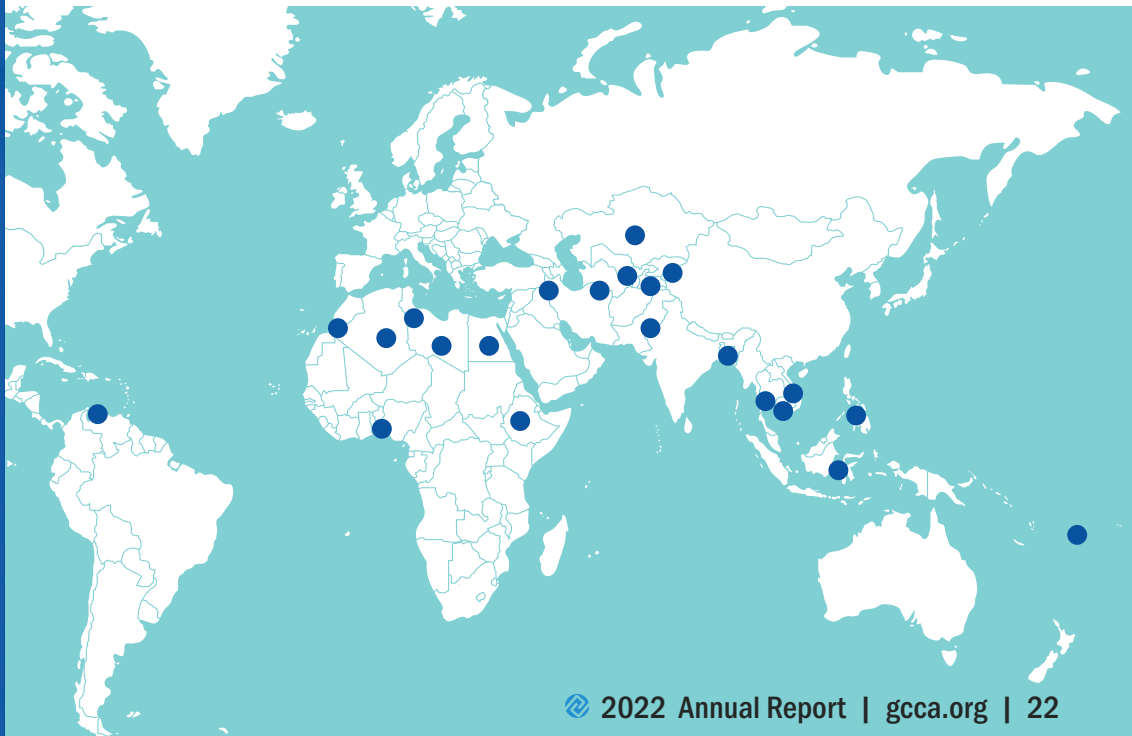


21

MEMBER COMPANIES PARTICIPATED ON OR PROVIDED REMOTE SUPPORT TO WFLO PROJECTS.



41
INDIVIDUALS CONTRIBUTED





LEADERS OF THE COLD CHAIN

IARW BOARD OF DIRECTORS

CHAIRMAN

Manuel Cabrera Kabana, Friopuerto Investment, S.L.

VICE CHAIRMAN

Michael J. McClendon, Lineage Logistics

TREASURER

Jason Dreisbach, Dreisbach Enterprises

IMMEDIATE PAST CHAIRMAN

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Larry Alderfer, United States Cold Storage

Mauricio Barrera, Qualianz

Ina Botha, Commercial Cold Storage (Pty)

Rich Burke, KPAC Cold Storage

George Chappelle, Americold Logistics, LLC

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Tim Ludwig, Bradner Cold Storage

Piet Meijs, NewCold

Francisco Moura, Superfrio Logística Frigorificada

Nicholas P. Pedneault, Congebec Logistics, Inc.

Karen Reece, Eskimo Cold Storage

Tim Siddiq, Merchandise Warehouse

John Tippmann III, Interstate Warehousing

Sean Vanderelzen, Lineage Logistics

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TREASURER

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Sam Charleston, Americold Logistics

Adam Forste, Lineage Logistics

Brian Kyle, Burris Logistics

Niels Lundgaard-Svenstrup, Lineage Logistics

Tom Poe, Crystal Cold

Mike Pokel, Midwest Refrigerated Services

Angela Schmidt, Mattingly Cold Storage

Marty Steinmetz, United States Cold Storage

David Stuver, RLS Partners

Jeroen Tempels, Eurofrigo

Steve Tippmann, Interstate Warehousing

Ken Whah, RLS Great Lakes

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Kirk Robertson, Terra Vista Capital

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Todd Lanter, Lineage Logistics

VICE CHAIRMAN

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TREASURER

Richard Patenaude, Congebec

IMMEDIATE PAST CHAIRMAN

Robert Fay, Seminole Gulf Railway/Florida Freezer

MEMBERS

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Greg Bryan, Lineage Logistics

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Ned Runser, Americold Logistics, LLC

John Williamson, CWH Johnson's International

Brandon Woods, Refrigerated Transport, Inc.

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VICE CHAIRMAN

Sam Tippmann, Tippmann Innovation

TREASURER

Scott Guimond, Fisher Construction Group

IMMEDIATE PAST CHAIRMAN

Vince Free, FREEZ Construction

MEMBERS

Peter Bartell, RHH Foam Systems Inc.

Eric Brown, ALTA Refrigeration

Dwight Clark, Jamison Door Company

Peter Clayton, CEBA European Division

Nick Dakouras, Delta T Construction

Chase Deaton, Rytec High Performance Doors

Curt Edmisten, Lineage Logistics

Wade Hudson, Cold Storage Construction Services Inc.

Vince Humphreys, Ahern Fire Protection

Mike Jones, Primus Builders, Inc.

Brian King, A M King Construction Company

Steve Mauro, Kingspan Insulated Panels

Tim Nguyen, ESI Group USA

Gary O'Donnell, United Insulated Structures Corp

Jim Romine, Americold, LLC

Jay Smith, Metl-Span, LLC

Jake Stefan, ARCO Design/Build

Charles Woolley, Coldroom Systems, Inc.

Chuck Zimmermann, 4Front Engineered Solutions



LEADERS OF THE COLD CHAIN

SCIENTIFIC ADVISORY COUNCIL

The WFLO Scientific Advisory Council is a distinguished group of food scientists, logistics, and packaging experts from around the world. The council provides cutting-edge research and advice to members.

CHAIRMAN AND WFLO SCIENTIFIC ADVISOR

Dr. Michael Jahncke, Virginia Tech University (Professor Emeritus),
Expertise: Fish Products

WFLO SCIENTIFIC ADVISORY COUNCIL

Dr. Jeffrey Brecht, University of Florida,
Expertise: Cool-Climate Fruit & Produce

Dr. Patrick Brecht, PEB Commodities,
Expertise: Refrigerated Transportation

Dr. Paul Dawson, Clemson University,
Expertise: Poultry Products

Dr. Donald Fenton, Kansas State University,
Expertise: Refrigeration Engineering

Dr. Brian Fugate, University of Arkansas,
Expertise: Supply Chain Management

Dr. Cody Gifford, University of Wyoming,
Expertise: Meat Products

Dr. Dennis Heldman, The Ohio State University,
Expertise: Food Process Engineering

Dr. Faris Karim, Kansas State University,
Expertise: Ammonia Contamination and Food Toxicology

Dr. Barbara Rasco, Phd JD, University of Wyoming,
Expertise: Food Safety, Food Safety Regulations

Kees Jan Roodbergen, University of Groningen,
Expertise: Logistics and Operations Management

Dr. Vicky Salin, Texas A&M University,
Expertise: Agriculture Economics

Dr. Subramaniam Sathivel, Louisiana State University,
Expertise: Frozen Food Quality

Dr. S. Paul Singh, Michigan State University,
Expertise: Packaging, Package Labeling

Dr. Donald Schaffner, Rutgers, The State University of New Jersey,
Expertise: Microbiology

Dr. Charles White, Mississippi State University,
Expertise: Dairy Products

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Expertise: Food Science

Dr. Joseph Sebranek, Iowa State University,
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