

Next-Generation Commodity Management Software

Powered by Advanced Analytics

Commodity Management Is an Ever-Changing Industry

Your CTRM Software Should Be No Different

Companies that extract, process, market, trade, or consume commodities know there's plenty of opportunity and risk in volatile and uncertain markets. Geopolitical disruption, extreme weather events, a changing energy mix including LNG and renewables, supply and demand imbalances, and more factors have added massive amounts of complexity to commodity portfolio management.

Yet, despite all of this complexity and uncertainty, some organizations still rely on spreadsheets, their own homegrown software, or outdated CTRM software solutions to manage it all. In an ever-changing industry, these so-called solutions are problematic for many reasons, ironically opening your business up to even more risk.

THE TRUTH IS there's a better way to manage commodities, harness data, and grow your business.

Forward-looking organizations are turning to advanced analytics and next-generation commodity management software for decision support and risk management.



Introducing Allegro

Powered by Advanced Analytics

Discover the next generation of commodity management software. Allegro's enterprise CTRM software and advanced analytics empower companies that extract, process, market, trade, or consume commodities to make informed decisions and take total control over how their businesses grow. With Allegro, customers get data-driven decision support to better manage position visibility, risk management, controls, and regulatory compliance — on one platform. And it's all powered by a full suite of comprehensive, world-class analytics tools.

HERE'S HOW IT WORKS.

A Single Solution to Optimize Your Entire Portfolio

The Integrated Platform for Multiple Commodities, Powered by Analytics



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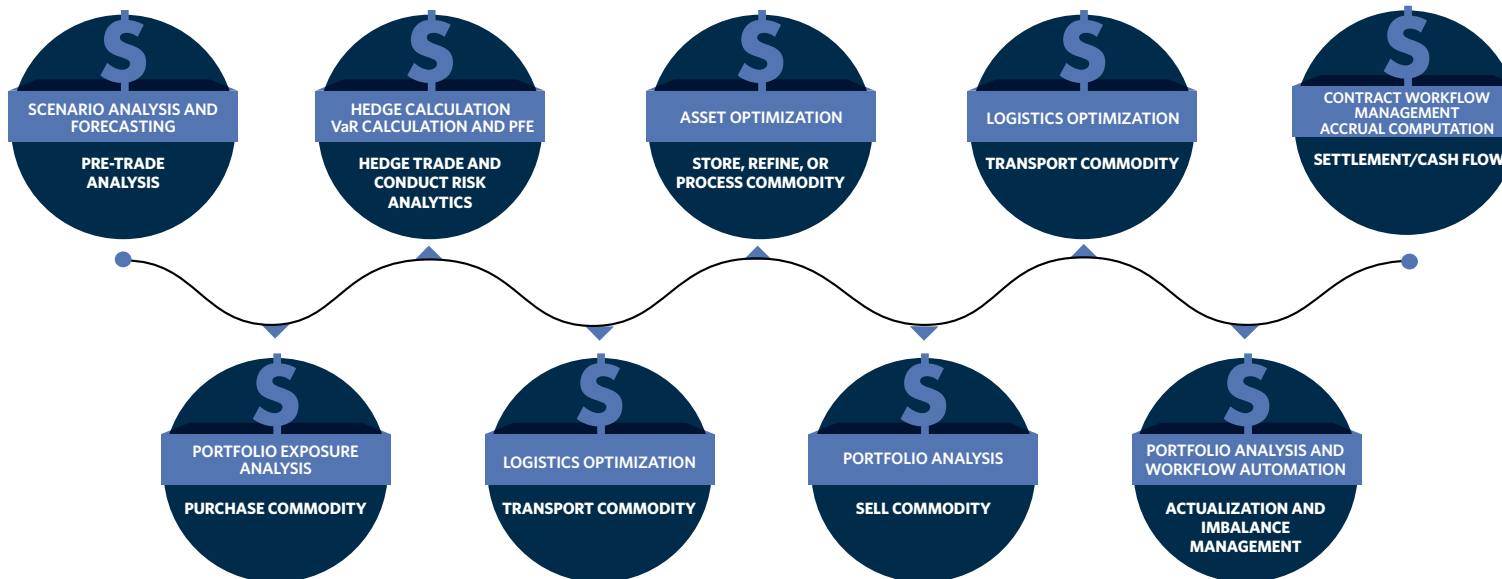
ADVANCED ANALYTICS FOR COMMODITY MANAGEMENT

Allegro acquired Financial Engineering Associates (FEA) to create Allegro Analytics, the leading risk analytics software solution for traders, logistics professionals, risk managers, and quantitative analysts. Allegro Analytics covers thousands of different instruments and assets, giving customers the ability to model the breadth of their enterprise portfolios. In addition to a full suite of comprehensive analytic tools, Allegro Analytics boasts world-class analytical support provided by seasoned Ph.D. industry professionals.

ADVANCED ANALYTICS DRIVES PROFIT THROUGHOUT THE COMMODITY MANAGEMENT DEAL-TO-CASH CYCLE

From pre-trade to settlement, and everything in between, Allegro Analytics gives you the power to optimize every phase of your deal to ensure maximum profitability for you and your business.

COMMODITY MANAGEMENT DEAL-TO-CASH CYCLE, POWERED BY ADVANCED ANALYTICS



As you can see, these are just a few examples of how advanced analytics helps you drive profit at every phase of a deal.

94%

of commodity businesses believe advanced analytics are key to future growth

84%

of commodity businesses are planning to improve their organization's analytics capabilities within the next 3 years

— Allegro survey of 150 commodity executives

A Single Solution to Optimize Your Entire Portfolio

The Integrated Platform for Multiple Commodities, Powered by Analytics

Changing markets have only further complicated commodity management. Allegro gives businesses a single, integrated solution to model, simulate, and optimize their entire portfolios and make informed decisions.

WE DO THIS THROUGH:

✓ *REAL-TIME POSITION VISIBILITY*

Allegro's commodity trading and risk management software provides a single, powerful platform for managing physical and financial positions and assets, uniting information for the front, middle, and back office — all in real time. Allegro eliminates the uncertainty that's inherent in relying on disparate legacy programs or spreadsheets.

✓ *ROBUST RISK MANAGEMENT*

In the commodity universe, complexity multiplies. That's often also true of problems when they aren't contained. With Allegro, risk managers will be prepared to address potential issues early and mitigate risk before it becomes a problem. Our software creates a detailed view of your exposure, ensuring the risks you face are handled appropriately, confidently, and with the right data.

✓ *ANALYTICS*

All of Allegro's offerings are driven by world-class quantitative analytics and risk management tools used for the valuing, modelling, hedging, and optimizing of derivatives and physical assets. Allegro Analytics empowers companies to make informed decisions with the right data.

✓ *PRECISE CONTROLS*

Every organization needs proper controls to make sure that, from the C-suite down, operating boundaries and rules are observed as they should be. However, without the right system for enforcement, leadership might be too far removed from the necessary information. With Allegro, you'll have the controls you require, relentlessly standing guard.

✓ *REGULATORY COMPLIANCE*

Regulations are impacting your business — now more than ever before. If there's a time you aren't in compliance, you could find yourself paying substantial penalties and putting your business at risk. Noncompliance isn't an option. Allegro's software provides the platform for your business to operate in accordance with your trading and accounting requirements.

KEY FEATURES AND BENEFITS

- Create an integrated portfolio inclusive of physical and financial positions and assets
- Manage risk across desks, geographies, and entities
- Integrate external data sources for real-time analysis
- Maintain audit trails, compliance, and regulatory reporting
- Determine accurate valuation to understand and improve profitability levers
- Automate confirmations, settlements, and cash flow analysis
- Regulate counterparty credit exposure
- Manage complex, multimodal movements
- Eliminate errors with straight through processing

The Commodities We Support

Built for Managing Multiple Commodities and Multiple Regions

We're proud to have happy customers on every continent in all of these industries.



With Allegro, we selected a modern commodity management system that provides the visibility, necessary functionality, and adaptability to move into the future with confidence.

— Preben Richter, Head of Risk Management, Hydro Energy



Allegro is built for commodities from the ground up. That means we're built for the specific nuances and complexities of each commodity and industry.

We know the commodity management software space better than anyone else. With Allegro, you get over 1,000 years of combined industry expertise in dealing with commodity businesses.

OUR SOFTWARE IS BUILT BASED ON BEST PRACTICES FROM

280

TOP-TIER COMMODITY BUSINESSES — OUT OF THE BOX.

Unmatched Technology

Built With Relentless Innovation

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Allegro's new mobile application will enable us to better manage our transactional workflow through approvals that can be made remotely.

— William Pate, President and CEO, Par Pacific

ALLEGRO HORIZON

Horizon is the newest generation of the award-winning Allegro commodity management and advanced analytics solution — it offers tremendous structural, performance, and quality benefits for your business. Allegro has long been known for innovation and technological leadership, and Horizon delivers on that promise.

HORIZON ALSO OFFERS:



NEXT-GENERATION ARCHITECTURE

Horizon's forward-compatible architecture has loosely coupled products, so organizations can purchase only what they need. It's also cloud-enabled with advanced telemetry and built with open architecture, so customers can get what they need and customize through a metadata front end with a standard upgrade process. Horizon has integration and extensibility capabilities through both native .NET and REST APIs.



MOBILE

Gain 24-hour remote access to real-time data, workflow approval, and position visibility wherever you are. Allegro's iOS- and Android-compatible CTRM mobile app provides traders, risk managers, back office, and IT professionals with the ability to view reports, manage approvals, and receive real-time notifications on any mobile device from any location.

OUR TECHNOLOGY IS ALL AVAILABLE ON THE CLOUD.

Cloud-Enabled Commodity Management Software

Increase Organizational Agility. Reduce Operational Friction. Enhance Competitiveness.

Horizon is fully enabled for the cloud, so customers get a lower cost of ownership through product families, agile infrastructure, and the smaller teams required for product support. Organizations can deploy entirely on the cloud or via a hybrid option and get DevOps tools for management, promotion, automation, and disaster recovery.



INCREASED SPEED TO VALUE

Allegro Horizon is built for the cloud, which means customers can get a real commodity management solution running and trading within weeks and reduced time spent on upgrades.



DO MORE WITH LESS

Allegro's enterprise-class application can be supported without significant IT resources, so you can improve your resource allocation.



FOUNDATION FOR GROWTH

Add geographies, commodities, and desks without business disruption or risk. Scale at peak demand times and reduce latency between international offices.



A COMPLETE SOLUTION

Financial and physical management in a single solution for the front, middle, and back office. Get a lower total cost of ownership by managing everything all in one place.

OUR UNMATCHED TECHNOLOGY AND CLOUD CAPABILITIES
PROVIDE AN UNBEATABLE EXPERIENCE FOR OUR CUSTOMERS.

The Allegro Experience

Industry Expertise. Market-Leading Innovation. Unmatched Partnerships.

We've been building and leading the commodity management industry for decades.

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We surveyed all the major solutions in the market, and Allegro's proven industry track record, software extensibility, and domain expertise made its solution the obvious choice for Moco's trading and risk management strategy.

— Michael Hacking, CEO, Moco SA

HERE'S WHAT MAKES US DIFFERENT:



BUILT FOR COMMODITIES FROM THE GROUND UP

From the executive staff to the support team, Allegro experts understand what makes commodity businesses flourish. In fact, we estimate that Allegro's team collectively has more than 1,000 years of industry and domain experience. Unlike some of our competitors, we were built for commodities from the ground up. We speak your language, and we know exactly what it takes to meet your objectives, whether you're in the Americas, Europe, the Middle East, Africa, or the Asia-Pacific region.



RELENTLESS PRODUCT INNOVATION

Allegro pioneered productivity-enhancing user interfaces, flexible data structures, advanced analytics, and the most extensible architecture available. While other vendors are struggling to replace legacy code, Allegro launched Horizon, the forward-compatible solution that allows you to only install what you need to support your desk or department. That means quicker implementations, reduced cost of support, and faster innovation cycles.



UNMATCHED DEPTH AND BREADTH

We offer an unmatched depth and breadth of solutions configured to your business, based on best practices and our industry expertise. Our robust set of solutions is unlike any other on the market, powered by advanced analytics and covering the specific nuances different commodities and industries need to operate in a competitive market — and it's all on one platform.



BUILT TO SCALE WITH YOUR BUSINESS

Regardless of your role or industry, Allegro's innovative architecture is built for your business and powered by advanced analytics. Gone is the need to implement a massive, monolithic system for a single commodity or use case. Allegro was designed to help solve thorny business challenges and to account for the nuances of different industries, such as crude refining, power pricing and settlement, liquefied natural gas shipping, chemical feedstock



procurement, or edible oils trading.

UNBEATABLE PARTNERSHIPS

At Allegro, we know the decision to purchase a CTRM system is strategic to your business. That's why our investment doesn't stop when the contract is signed — we're dedicated to customer experience from initial contact, through implementation, and for every day thereafter. Our team of industry experts works with each customer to clearly understand their business problems, ensuring continual success.

THESE ARE JUST A FEW OF THE ASPECTS THAT MAKE OUR COMPANY UNIQUE. READ ON TO LEARN MORE ABOUT HOW ALLEGRO IS DEDICATED TO SERVICING OUR CUSTOMERS.

Allegro's Implementation Approach

Remarkable Services. Tried-and-True Processes. Customer-Centric Focus.

Our services teams focus on gaining alignment with customers early to ensure their business goals and objectives are met at-speed, at-scale, and on-point. Whether customers need an implementation on a tight timeline, a cloud-based implementation, or a phased implementation, Allegro can implement next-generation CTRM software at the speed their business needs.

Allegro's services department is a world-class global organization made up of seasoned product and subject matter experts who are dedicated to absolute customer success and satisfaction. Our functional, technical, and business process experts support our customers from the initial implementation and throughout their time with Allegro. We provide implementation and upgrade services as well as a variety of integration, performance improvement, system health check, and operational optimization services to our clients. Working independently or as part of a wider project team with our partners, we are here to make our clients successful.



FAST IMPLEMENTATIONS AT MAJOR SCALE

In 2018, Hanwha Total Petrochemical went live on Allegro's software after a quick and efficient 10-week implementation. Prior to selecting Allegro's CTRM software, Hanwha Total utilized multiple homegrown solutions to manage its complex supply and price risk management.



PHASED ROLLOUTS

We understand that sometimes implementations need to happen in phases. Our implementation consultants are adept at conducting phased rollouts using their tried-and-true processes to meet business objectives and goals.



The implementation of Allegro's software was extremely efficient, and we are proud to announce that we have gone live with its solution. Allegro's powerful and flexible software will provide us with superior tools to manage complex commodity trading and physical crude movements.

— Koh Lai Huat, Chief Financial Officer, Tipco



CLOUD-BASED IMPLEMENTATIONS

Allegro Horizon is built for the cloud, so customers choosing to deploy to the cloud instead of installing on premise can benefit from increased deployment flexibility as well as reduced time and costs of the implementation. Rapid, dynamic, and flexible implementations through the cloud enable our customers to achieve success quickly, resulting in a lower total cost of ownership.

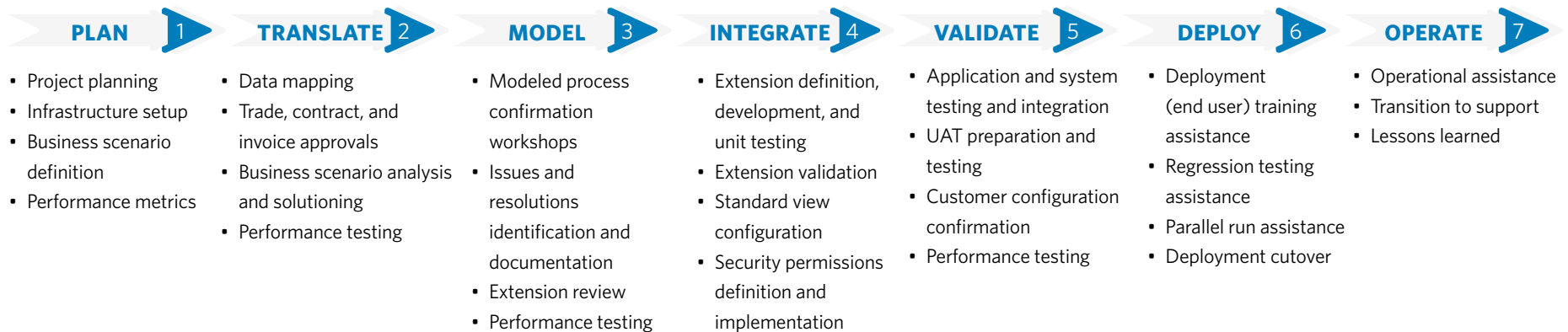
OUR IMPLEMENTATION PROCESS IS BUILT ON A TRIED-AND-TRUE SEVEN-STEP PROCESS.

Allegro's Implementation Framework

Remarkable Services. Tried-and-True Processes. Customer-Centric Focus.

THE ALLEGRO IMPLEMENTATION PROJECT FRAMEWORK 7-STEP PROCESS

Allegro's proven implementation process is a gold standard framework for ensuring our customers have the best implementation experience possible. The framework can support sprint-based implementations as well as more traditional waterfall approaches and iterative delivery models. At the heart of the framework is the modelling of our customers' business and operational processes within Horizon. With the Allegro implementation framework, projects are completed on budget, on time, and in alignment with business objectives and goals.



IMPLEMENTATION MANAGEMENT

Manage scope, budget, tasks, and resources; analyze and communicate project status; solution quality review; program review.

Allegro's continuous cycle of innovation has enabled the use of a fully integrated testing automation tool to reduce the testing overhead as well as client-specific video content generation for AllegroU to aid enhanced user adoption and improve the implementation experience.

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Danske Commodities has implemented a new top-tier ETRM system, Allegro, which has replaced the legacy proprietary solution. During Allegro's first year in operation, more than three million trades were processed from deal capture to settlement. The benefits of the new ETRM system are manifold and primarily stem from the fact that the data structure has improved significantly. This optimises straight-through processing of trades, providing better efficiency, scalability, and greater transparency for further analysis.

— Danske Commodities 2018 Annual Report

A Process 30 Years and Hundreds of Implementations in the Making

Allegro's remarkable implementation framework is based on 30 years of experience in the commodity management space and hundreds of implementations with top-tier customers. Our process is optimized for commodities, recognizing customer-specific needs and industry dynamics. We implement best practices via clearly defined business processes and take pride in our agile approach that fosters transparency and alignment at all levels.

AllegroU

Best Practice CTRM Training Programs and Learning Content for Our Customers

AllegroU provides Allegro customers with on-site training, a next-generation video knowledge base, and online training courses, so our customers can deliver CTRM best practices to their employees at scale. The knowledge within AllegroU is built based on best practices from working with 280 top-tier customers for over 30 years. Upskill your employees and grow your company with the training programs and learning content offered through AllegroU.

ON-SITE TRAINING

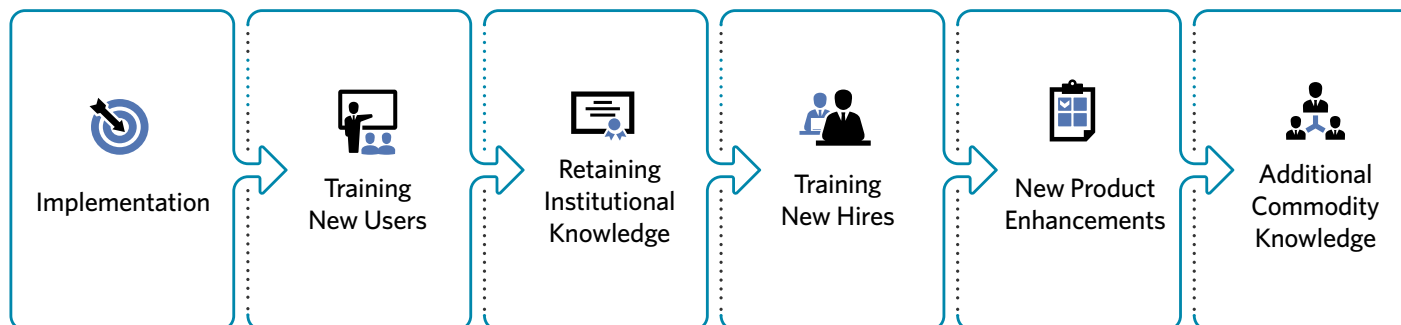
Instructor-led training with Allegro gives customers direct access to Allegro subject matter experts. With Allegro On-site Training, customers can attend face-to-face sessions with instructors and industry peers in a classroom setting for an interactive experience with open dialogue and Q&A. Allegro's on-site training can take place at your company's office or in one of Allegro's convenient global training facilities.

VIDEO KNOWLEDGE BASE

Allegro's online video library is the perfect learning resource for your employees. Explore hundreds of hours of video content relating to your industry and your employees' day-to-day functions. Allegro consultants and partners upload videos to the Allegro Video Knowledge Base, keeping your employees informed on CTRM best practices, new innovations, and the latest offerings from Allegro. Utilize the AllegroU Add-on Tool inside Allegro to get context-sensitive help from Allegro's knowledge repositories on every view within Allegro, immediate access to relevant training materials, and instant video capture capabilities to record videos for your team.

ONLINE TRAINING COURSES

Learn wherever you are, whenever you have time, with expert guidance from Allegro subject matter experts. Allegro Online Training Courses provides Allegro customers with industry-specific learning paths tied to videos in the Allegro Video Knowledge Base and additional learning content. Let your employees take total control of when they view learning content, so they can learn when they have time. Allegro also offers custom training programs, so you can tailor industry-specific learning to your company, provide your employees with tests, and report on their progress.



The Allegro Difference

How We're Creating Next-Generation Commodity Management Software and Analytics

At Allegro, we're dedicated to constantly innovating CTRM and ETRM software and analytics. We're never satisfied with the status quo.

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The complexity of our business, combined with the fact that we needed a product closely aligned with our strategic goals, led us to the decision to choose Allegro's trading platform. Allegro's expertise in the U.S. power and gas market, along with its robust trading and risk management solution, made this the natural choice for TEA.

— Joanie Teofilo, President & CEO, The Energy Authority

HERE'S WHAT THAT MEANS FOR YOUR BUSINESS.

STANDARD CTRM SOFTWARE	<i>Allegro</i>  HORIZON	BUSINESS OUTCOME
Static reports	 Advanced analytics	 Data-driven decisions
Custom branch or scripting outside of the core code for unique business processes	 Configurable software within the core code to match your unique business processes	 Easier upgrades — your processes move forward in the core solution
Vendor-determined business process flow	 Market-based business process best practices	 Best practices from 280 tier 1 customers — out of the box
Monolithic code base	 Product/component architecture	 Pay for what you need

OUR GROWING CUSTOMER BASE SPEAKS VOLUMES. CONTACT ALLEGRO TODAY.

The Next Generation of Commodity Management Software and Advanced Analytics Is Waiting for You

We're Ready to Change Your Business

Stop relying on spreadsheets, your own homegrown software, or outdated CTRM software for your commodity trading and risk management. In a volatile, complex, and uncertain market, you need the global leader in commodity management software and advanced analytics to help you control how your business grows. There's simply too much at stake to leave to anyone else.

Contact Allegro Today

About Allegro Development Corp.

Allegro is the global leader in commodity management software and advanced analytics for companies that buy, sell, produce, or consume commodities. For over 30 years, Allegro has delivered position visibility, risk management, comprehensive controls, regulatory compliance, and analytics through a forward-compatible, next-generation architecture that empowers commodity organizations to make data-driven decisions. Allegro's proven CTRM software innovation and flexibility, coupled with a strong global network of industry partners and industry-leading analytics, makes its solutions the best on the market for full commodity portfolio management.

Headquartered in Dallas, Texas, Allegro has offices in Houston, Dubai, Jakarta, Singapore, London, and Zurich. To learn more, visit Allegro's website at www.allegrodev.com.

ALLEGRO BY THE NUMBERS

Take a Look at Some of the Numbers We're Proud of

35 YEARS IN BUSINESS

50
COUNTRIES

350
EMPLOYEES

8,800
USERS

280
CUSTOMERS