

ICAFe Companies

BLAST

WASH

COAT

CURE

ICAFe Inc.

Dove Equipment

Seneca FTI

AER

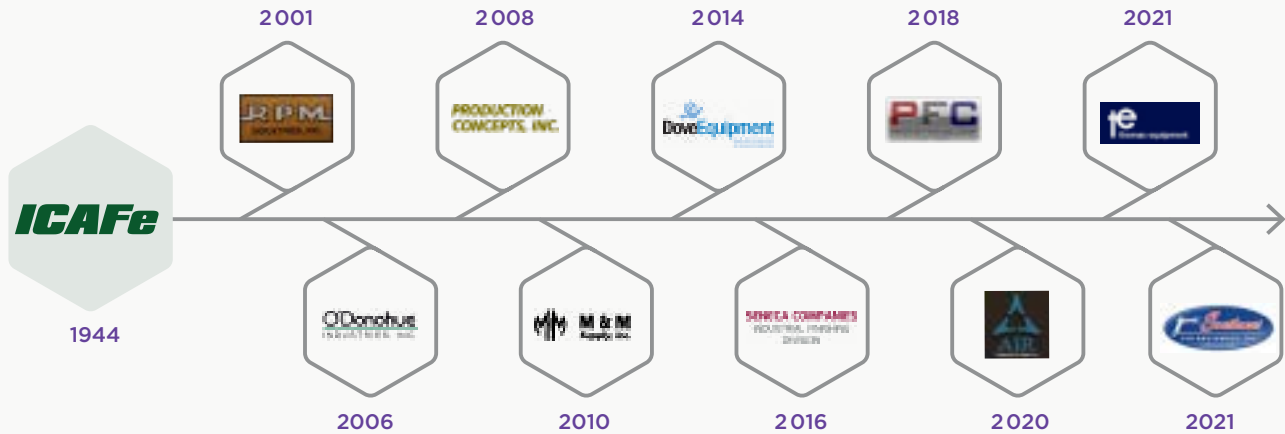
SWAE

PFC

THE EVOLUTION OF ICAFe COMPANIES

Industrial Chemical and Finishing Equipment

ICAFe started in 1944 and has expanded through organic growth and strategic acquisition. We currently service the Midwest, Southeast, West Coast, and all of Mexico.



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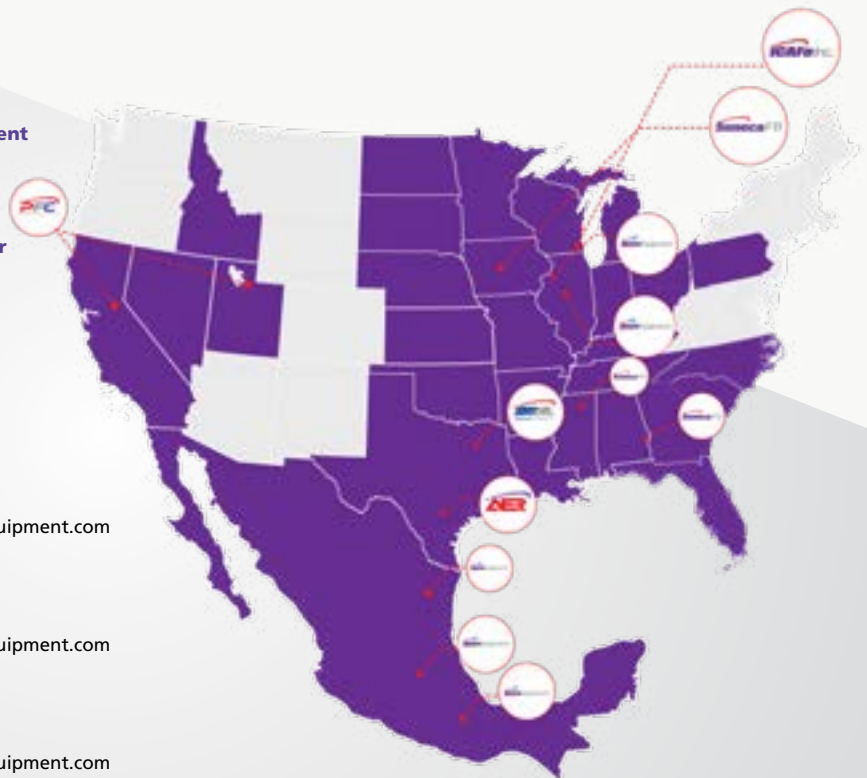
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CAPABILITIES

From manual batch conveyorized lines to fully automated and robotic liquid and powder coating systems, we work with our clients to develop processes to meet and exceed their expectations.

SERVICES

- In-House and On-Site Training
- Factory Trained Technicians
- Service Calls
- Warranty on Repairs
- Preventative Maintenance Programs
- Technical Support

INDUSTRIES SERVED



SURFACE TREATMENT



Parts Washing

ICAFé Companies work with some of the best names in industrial parts washing. From cabinet washers and ultrasonic immersion dip tanks to completely automated conveyorized multi-stage wash units, we are able to offer a cleaning solution that will work with your process.



CABINET WASHERS



AUTOMATION SYSTEMS



IMMERSION WASHERS

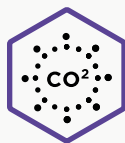


PASS-THRU WASHERS



Environmentally Friendly Solvents

ICAFé Companies supply aqueous and non-aqueous environmentally friendly solvents. Many of these products perform as well or better than their traditional, more hazardous counterparts. Switching to safer solvents keeps your employees safer, the environment cleaner, and your waste removal fees lower.



Cleaning with CO2

Dry ice blasting and other CO2 technologies are waterless cleaning solutions that can replace aqueous and solvent-based cleaning operations. CO2 can also be used for deburring, surface profiling, and dust removal. CO2 technologies are used in a wide variety of industries including wood, plastic and rubber, automotive, and general industry.



MANUAL BATCH
PRESSURE WASH



AUTOMATIC BATCH
PRESSURE WASH



IN-LINE CONTINUOUS
PRETREATMENT WASH

SURFACE TREATMENT



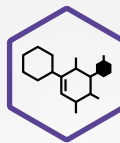
Components of an Effective Blast System

- Recovery system
- Media cleaning
- Blast enclosure
- Work-piece handling
- Dust collection
- Operator safety
- Compressed air supply

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Blasting and Deburring

Blasting and abrasive deburring are often necessary to provide an appropriate surface profile for a finishing process. They can also be used as effective cleaning techniques. ICAFe Companies offer offline batch and in-line blasting and deburring equipment to integrate blasting into your process.



Chemical Treatment

The cleaning, degreasing, and preparation of parts involves chemicals that can greatly impact the economics of a process if it is not run efficiently. ICAFe Companies offer solutions to filter, treat, and recycle wash water and various chemistries in order to minimize material consumption, environmental impact, and disposal costs.



Wash water recovery systems offer chemical reclamation, solids separation, and oil coalescing all in a closed-loop process. The closed-loop system is ideal for phosphate cleaning and degreasing applications.



ASSEMBLY AND ELECTROPLATING



Sealants and Adhesives

Virtually every product assembled requires bonding or sealing at some stage of the process. We supply manual and automatic technologies that apply single- and two-component sealants and adhesives.

The Graco Hydraulic Fixed Ratio (HFR) metering system handles two-component epoxies, silicones, resins and more. The HFR lets you hit a specific ratio and volume. Accurate, repeatable, on-ratio dispense reduces scrap and rework.



Graco PR70 fixed and variable ratio systems contain everything you need in a compact, modular design. Accurately meter, mix, and dispense medium- to low viscosity materials for potting, gasketing, sealing, encapsulation, and syringe filling.



Hot Melt

SenecaFTI works closely with ITW Dynatec to provide adhesive application solutions to a variety of industries. ITW Dynatec is a global supplier of hot melt machines that expands the boundaries of conventional application methods.



Plating

ICAFé, Inc. is a leading provider of aqueous systems and integration services to plating customers across the Midwest. Our capabilities allow for the design, engineering, and integration of robust industrial electroplating systems.



Filtration Systems,
Media, & Parts



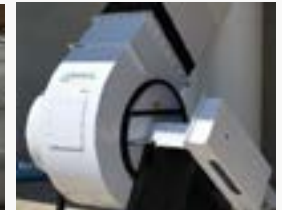
Pumps & Parts



Heat Exchangers



Tanks, Liners,
& Tank Repairs



Air Handling &
Scrubbing



6 Plating Barrels &
Spin Dryers & Parts



Waste Treatment



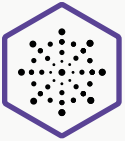
Rectifiers



Anodes & Parts



Miscellaneous

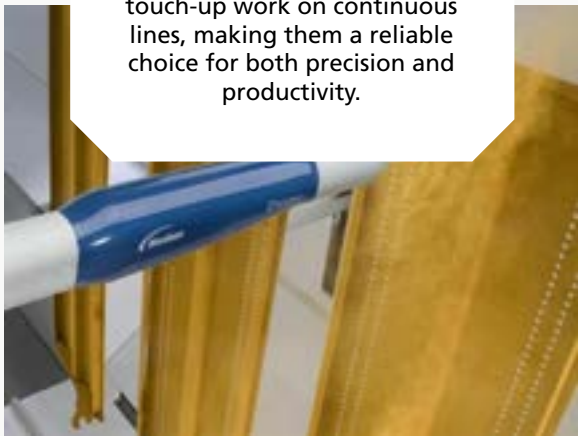


Powder Coating

Powder coating delivers a durable, attractive surface with minimal environmental impact. Applied as a dry powder and cured with heat, it generates virtually no volatile organic compounds (VOCs) and allows for easy reclaim and reuse.



Manual powder coating guns from trusted brands like Nordson offer flexibility and control for batch jobs or touch-up work on continuous lines, making them a reliable choice for both precision and productivity.



Automated powder coating systems engineered by ICAFe Companies help reduce material waste, lower operating costs, and speed up color changes — making them a smart investment for high-volume, fast-paced production.

FLUID HANDLING



The fluid handling system is at the heart of every industrial or automotive liquid finishing process. A well-designed and properly maintained fluid handling system will provide consistent material delivery while minimizing energy consumption.

PNEUMATIC PUMPS



ICAFé Companies offer a variety of pneumatic pumps for supply and circulation systems. Selecting the appropriate pump for a given process is important for obtaining consistent material flowrate and pressure while minimizing energy costs and material shearing.

ELECTRIC PUMPS



Electric pumps can offer significant energy savings over their pneumatic counterparts while simultaneously offering an improved level of control. Many electric pumps come with advanced reporting and diagnostic capabilities for monitoring the health of a fluid delivery system.

MATERIAL STORAGE



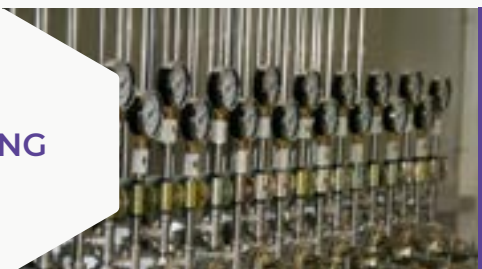
Paint mix rooms, also known as industrial paint kitchens, can safely store flammable or hazardous materials, and then deliver them to the paint line or spray booth through fluid circulation lines.

PROPORTIONERS



Plural component proportioning systems set up by ICAFe Companies minimize waste and support various dosing technologies that meeting specific liquid finishing needs, including acid catalysts.

PIPING



A properly designed, configured, and installed piping system ensures that energy consumption is minimized, solids remain in suspension, and maintenance is easily performed. ICAFe Companies offer piping design and installation services with our finishing systems.

ACCESSORIES



A wide selection of agitators, regulators, pressure vessels, filters, ball valves, air drying systems, gauges, hoses, surge suppressors and more are available to suit your finishing needs.

LIQUID FINISHING



Liquid Coating

As customers demand better performance, consistency, and quality, they also demand better efficiency, flexibility, and economy out of their liquid application equipment.



Robotics

Robotic automation allows finishing processes to be operated by fewer individuals with a higher degree of consistency and repeatability. Robots can be integrated into specific stages of a finishing process or used to completely automate the entire operation. ICAFe Companies' engineering group has integrated robots into a diverse collection of applications including automotive, general industry, and food processing.



At our East Peoria, IL location, Dove Equipment has a spray booth with robot mount platforms that can be set up for testing applications.

BOOTHS



Booths

ICAFé Companies works with our suppliers to design customized blast booths, wash booths, paint booths, sanding booths, and grinding booths.



BLAST BOOTHS

A proper blast booth can be designed and engineered for your application whatever your budget from a fully-equipped blast room with recovery and dust collection to a simple sweep-in recovery system.



WASH BOOTHS

Wash booths can be designed for manual or automatic operation. They can also be designed to accommodate a variety of conveyor types. These booths are often partnered with wastewater recycle systems to achieve zero liquid discharge.



GRINDING AND SANDING BOOTHS

High-production dust collection booths feature an open face booth design, fully assembled dust collection modules, and high-capacity, low-noise fans for capturing dust and recirculating clean air.



PAINT BOOTHS

Paint booths provide a clean space for coating applications. It is necessary for a booth to provide adequate air flow, dust collection, and lighting to achieve an excellent paint job. These paint booths offer high-quality and cost-effective solutions for industrial manufacturers.



POWDER BOOTHS

Powder coating booths provide a bright, efficient environment for powder coating operations. An integrated collection modules feature high-efficiency cartridge filters for capturing powder overspray, and a load-triggered filter pulsing system, which cleans filters for a longer life span.



PERSONNEL LIFT SYSTEMS

Industrial lifts from LPI Lift Systems can be integrated into booths for surface preparation, blasting, washing, coating and fabrication. Industrial lifts are available in 1-, 2-, and 3-axis configurations to accommodate a range of process requirements.

HEAT PROCESSING AND CONVEYANCE



Conventional Ovens

Several factors affect oven choice such as part geometry and size, expected throughput, material substrate, and coating properties. ICAFe Companies offers batch process ovens and continuous process ovens for drying, pre-heating, curing, or baking.



Infrared Curing

ICAFe Companies work with several infrared oven manufacturers to offer a variety of heat processing technologies to cure coatings.



Conveyance

Choosing the proper method of product conveyance is critical to maximizing throughput, transfer efficiency, and flexibility.





ENGINEERED SYSTEMS

ICAFé Companies design systems to take parts from surface preparation to cure. We have in-house systems groups at seven locations and engineers with a variety of disciplinary backgrounds that focus on various aspects of the finishing process.

We specialize in fluid handling and are well-versed in the requirements and applications of industrial and automotive coatings. Our engineering team designs detailed AutoCAD drawing layouts as well as the complex 3-dimensional piping diagrams seen in large manufacturing facilities. From manual batch conveyORIZED lines to fully automated and robotic liquid and powder coating systems, we work with our clients to develop processes to meet and exceed their expectations.

FLUID PIPING & DESIGN

ICAFé Companies' engineering group has been designing robust fluid handling systems for automotive and general industry for many years.

Piping layout and design is an important component to any finishing process, and ICAFé Companies provide our customers with effective solutions in paint circulation and material transfer.

ENGINEERING PROCESS

Concept review

- On-site survey
- Design & approval drawings
- Fabrication and equipment integration
- Assembly
- Installation
- In-plant startup
- Programming and process troubleshooting
- Manufacturers' warranty fulfillment
- Employee training

CONTROLS

ICAFé Companies have the ability to design, build, and program custom controls and integrate them into many different types of systems.

ENGINEERING LOCATIONS

East Peoria, IL, US
Smith Station, AL, US
Roseville, CA, US
Waukesha, WI, US

Salt Lake City, UT, US
Monterrey, NL, MX
Puebla, PU, MX
Querétaro, QE, MX



Systems Integration

Our dedicated and experienced team of technical salesmen collaborate closely with our engineering group to determine practical, appropriate, and cost-effective systems for our clients' unique requirements. We work with a vast network of world-class suppliers that allow us to offer novel solutions in a marketplace that emphasizes ever-increasing quality, economy, and efficiency.

Process Determination

Designing and integrating a liquid paint or powder coating system is more than selecting compatible unit operations and assembling them on the shop floor. ICAFe Companies work with our clients to discover their unique process requirements and design a system to meet throughput, quality, and economy specifications.

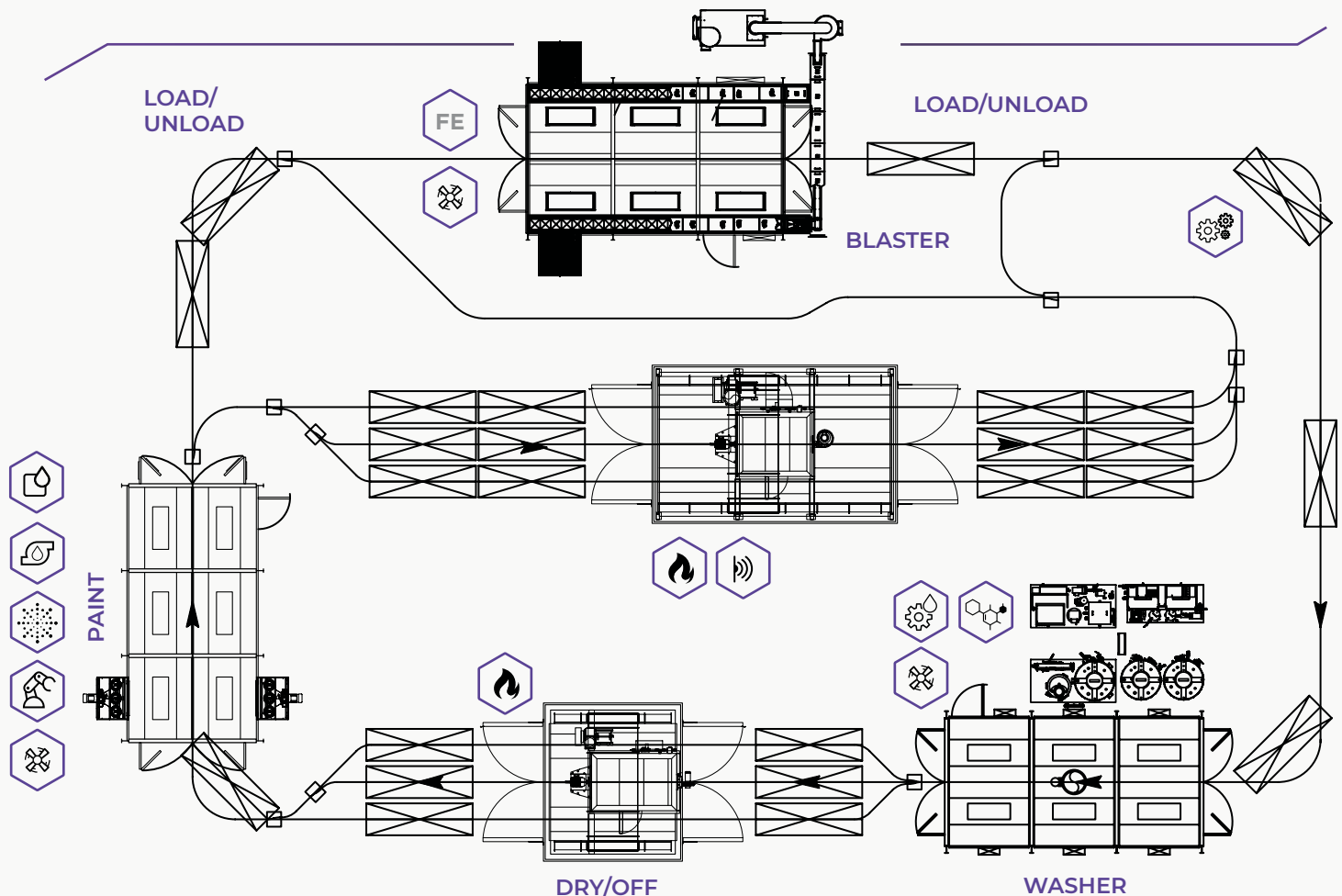
Maximizing Profitability

INCREASE

- Throughput
- Material Efficiency
- Labor Efficiency
- Coating Quality

DECREASE

- Down Time
- Energy Consumption
- Waste Generation
- Rejects



VIRTUAL PAINTER TRAINING

01001
11000

SimSpray Virtual Training

SimSpray is a turnkey virtual reality training bay for finishing operations and classrooms. It features camera-based tracking, touch screen control, and high-resolution graphics that are housed in a lightweight, compact case.



ICAFe Companies have partnered with VRsim to bring virtual reality operator training to general industrial manufacturing operations. SimSpray can reduce training costs by up to 50% and help train workers more quickly and safely. It is available for liquid coating, powder coating, and abrasive blasting training.



CAMERA TRACKING

Infrared tracking system allows a wider area of accurate tracking and less clutter than previous generation magnetic tracking systems. Coverage map enabled to gain a better understanding of overlap and transfer rates.

IMMERSIVE CONTROLS

A new "tablet"-like control system allows the user to control more of the SimSpray controls from inside the FMD—limiting the amount of times the headset needs to be removed.

VISUAL CUES

Guide training with distance, angle, and speed cues to develop ideal coating techniques.

CUSTOM COURSE CREATION

Create custom curriculums and modify performance targets such as mil build, angle, distance, and speed based on the requirements of your specific environment.

COVERAGE MAP

View applied paint thickness vs. target mil build with an easy-to-use coverage map. Users can spray with the coverage map enabled to gain a better understanding of overlap and transfer efficiency rates.

SCORING SYSTEM - QUANTITATIVE ANALYSIS

A performance review is available for each painted part. Improve angle, distance, speed, and transfer efficiency rates to achieve higher scores.

MANUFACTURERS REPRESENTED

Parts Washing
&
Pretreatment



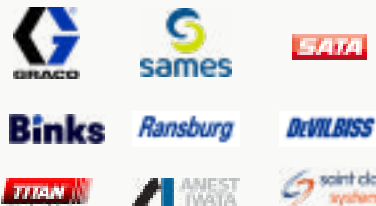
Blasting
(Abrasive
and Non-
Abrasive)



Fluid
Handling



Liquid
Coatings
Application
& Dispense



Sealants,
Adhesives,
& Hot Melt



Powder
Coating



Booths,
Ovens, and
Accessories



Robotics



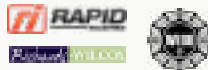
Electroplating



Breathable
Air and Safety
Equipment



Conveyance



Motion and
Control
Technologies



Filtration and
Protective
Covers



Miscellaneous



QUALITY

Our team takes the necessary time to properly analyze the individual requirements of each of our customers. ICAFe Companies works with national and regional coatings manufacturers to ensure that we are providing the most qualified equipment to properly apply their unique coatings.

SAFETY

ICAFe Companies emphasize safety in the products, systems, and services that we provide.

By prioritizing safety via continuous training, NFPA-compliant fluid handling and application systems, and innovative Personal Protection Equipment, we can help ensure that your finishing systems run as efficiently as possible.

PREVENTION

The best way to maximize efficiency and minimize downtime is by eliminating potential issues before they become real problems. ICAFe Companies will work with you to tailor a preventative maintenance program for your finishing operations to keep your throughput high, quality consistent, and sanity in-check.

WHAT WE OFFER

TECHNOLOGY

Maximizing production efficiency is the perpetual goal of manufacturing companies and surface finishing is no exception. ICAFe Companies has close relationships with the world's biggest vendors in the industrial finishing market. This allows us to stay on the leading edge of coatings application technology.

CONTINUOUS IMPROVEMENT

We're committed to working with our customers to discover improvements in every facet of their finishing operations. Whether it's new spray technologies, energy efficient equipment, environmentally friendly solvents, quick-curing ovens, or painter training, we work with you to ensure your process stays current and profitable.

PROFESSIONALISM

ICAFe Companies we take pride in having the best-trained staff, highly qualified, and committed to excellence. Our team is made up of professionals who not only possess extensive technical knowledge but are also continuously trained to stay at the forefront of their respective fields.

WWW.ICAFECOMPANIES.COM



ICAFe Companies

