



# THE REPUBLIC GROUP



*Excellence in Export*  
*Since 1958*



## The Republic Group

— fifty-five years young in 2013! The Georgetown University “Class of 1968” produced not only the Presidents of the Philippines (Gloria Arroyo), of the United States (Bill Clinton) and of San Salvador (Fred Cristiani), but Georgetown’s School of Foreign Service also sent forth that same year Mike Ueltzen and Bob Rissland, President and Executive VP of The Republic Group, Arlington, Virginia.

Impeccably trained in International Business and in International Trade and Finance, the Austrian- and German-born graduates set out to get their “hands on” training right away at The Republic Group’s then small headquarter in Northern Virginia, enthusiastically wanting to demonstrate that “praxis will prove theory.” At that time, TRG’s immediate business focus was directed by TRG’s founder, Burt Fagan, towards the quickly growing electronic components and systems market in Europe. The Republic Group or TRG, as the firm later became known, began offering to European components distributors and OEMs alike quick and easy access to the versatile US components market. The new TRG Components Business Unit grew quickly, and components brokerage activities, as well as components sales, distribution and representations, were then and now capably managed from TRG Components headquarters at 5801 Lee Highway in Arlington, Virginia where TRG components operates seamlessly with its UK, German, Swedish, Singapore and China offices.

With the Components Trading Group well established, Mike and Bob turned their attention to finding other “high-tech” segments in the vast US marketplace where unique scientific and technological developments, combined with US manufacturing savvy, could still play a leading role in the world market.

Serendipitously, in 1974 the German government was looking to establish a countrywide network of weather radars. To be able to respond to such a requirement, TRG decided to team with Enterprise Electronics Corporation (EEC) of Enterprise, Alabama, and subsequently in 1975 won the first German weather radar network contract for the German Weather Service. TRG’s management decided then and there that The Republic Group would focus on the “weather market” and would seek to internationally represent the best US companies engaged in the design and production of weather systems. TRG’s goal was to build a cohesive line of non-competing products encompassing all of the technologies and services needed to swiftly and reliably detect, measure, analyze and forecast hydro-meteorological conditions. To realize that ambition, The Republic Group assembled a powerful team of 9 environmentally-oriented manufacturers and providers, and thus TRG’s “Environmental Systems Division” (ESD) was born.

Both **TRG Components** and **ESD** grew by leaps and bounds over the years. TRG’s philosophy of combining in-depth knowledge and understanding of the relevant weather sciences with available technologies for the specific global marketplace created a perfect partnership between our meteorological equipment suppliers and the ever growing needs and wants of the international environmental market. TRG’s focus on matching cost-effective solutions to the international customer’s needs has never changed.

National and international accolades and recognition for The **Republic Group** have been plenty over the years, rewarding the TRG team for its efforts and vision in becoming one of the leading US exporters of electronic components and environmental systems. In 1976 TRG received the prestigious **E-AWARD** for excellence in export from the office of the President of the United States. In 1989 TRG was again recognized by the

White House by being the recipient of the much sought after but rarely granted **E-STAR AWARD**. Then, only five years ago, the US Department of Commerce honored TRG with their overall “**Exporter of the year 2007**” award. All of us at TRG are grateful for this recognition and feel humbled that we are allowed to pursue our chosen field of endeavor – with equal amounts of joy and dedication. Success rewards the brave and the adventurous! We must have been both over the years, and we are grateful for having been appreciated by our principals, vendors, representatives and customers the world over but also by the U.S. Department of Commerce, the U.S. Department of State and the White House.

Continued success, year after year, cannot be bottled or shrink wrapped. The prescription for success always changes. TRG, not big in size, but flexible and with an exceptionally dedicated and ingenious workforce, has to re-invent itself every 5 to 6 years. Technologies and requirements continually evolve, currencies shift in relative value, governments change, competitors get smarter and clients and suppliers reorganize, if not every other year, certainly during any 5 year cycle. There is no “formula for success” when it comes to being the best in the “art and science” of exporting. TRG learned the hard way that to assure success you must keenly focus on your chosen field of expertise! We have learned to be more knowledgeable about the products we bring to market than both the customer and the manufacturer/vendor we serve. We find honest and capable in-country agents to be our eyes and ears, i.e., our virtual office in places where language, customs and laws are different from ours. Above all, we remain alert and take nothing for granted!

Last but not least, the friendly TRG faces you meet as you turn these pages reflect more than anything the greatest asset we can give to our customers, principals and vendors alike: ... **a great TRG Attitude!** In addition, our TRG family, be they in the US, in the UK, Germany, Sweden, Singapore or China, including our more than 100 experienced TRG in-country representatives and partners worldwide, never forgets that we all work for you, our customers, principals and vendors. For our principals, we are the “first in and last out” when it comes to developing international marketing leads and winnable “business development” opportunities. For our clients and customers looking for environmental solutions and/or a responsive and knowledgeable components source, we are ready, able and always willing to serve. TRG provides connectivity to both the US and global component market, as well as access to the leading hydro-meteorological systems and services providers worldwide. TRG’s market knowledge truly spans the globe when it comes to the latest ESD products and capabilities and we pride ourselves on being able to link the concerns of our manufacturers/suppliers with our customer base by working closely with our offices and in-country representatives before, during and after we establish the dialogue and the product supply chain between the end-user and our principals.

Having exported goods and services this long (..can you believe 55 years?) is a joy, but also an obligation. No longer when something goes wrong can we use the excuse “We are still new at this!”, but we don’t mind saying “We are still learning!”, because we still are. We are here for you: for our **ESD** principals, for our In-country agents and partners and for our Components customers and Environmental clients around the world. With your help we will be able to realize our long ago established TRG motto:

**“Expect To Win!”**

*Cheers, and “Thank you all!”*

**The People of THE REPUBLIC GROUP worldwide**



# TRG's HYDRO-METEOROLOGICAL PARTNERS

**DeTect Inc.**

detection technologies



**Radar Wind Profilers &  
Avian Radar Systems**

Panama City, Florida



**Doppler Weather Radars  
Surface Weather Systems**

Enterprise, Alabama



environmental systems & services

**Meteorology, Hydrology  
Seismology & Geo-Technology**

Melbourne, Australia



*High Sierra Electronics*

**Environmental  
Monitoring**

Grass Valley, California



**Fiberglass and Dielectric  
Space Frame Radomes**

Ocala, Florida



**TV Weather Forecasting  
Systems & Services**

Oslo, Norway



Weather Decision Technologies, Inc.

**Automated Nowcasting and  
Forecasting Systems & Services**

Norman, Oklahoma



**Pulsed Doppler Lidars**

Leigh, Worcestershire, UK



**Temperature, Humidity &  
Liquid Water Radiometers**

Boulder, Colorado



*All the President's men...*

"El Cigarro"

"El Presidente"

"The Crab Man"

"Mr. Radar"

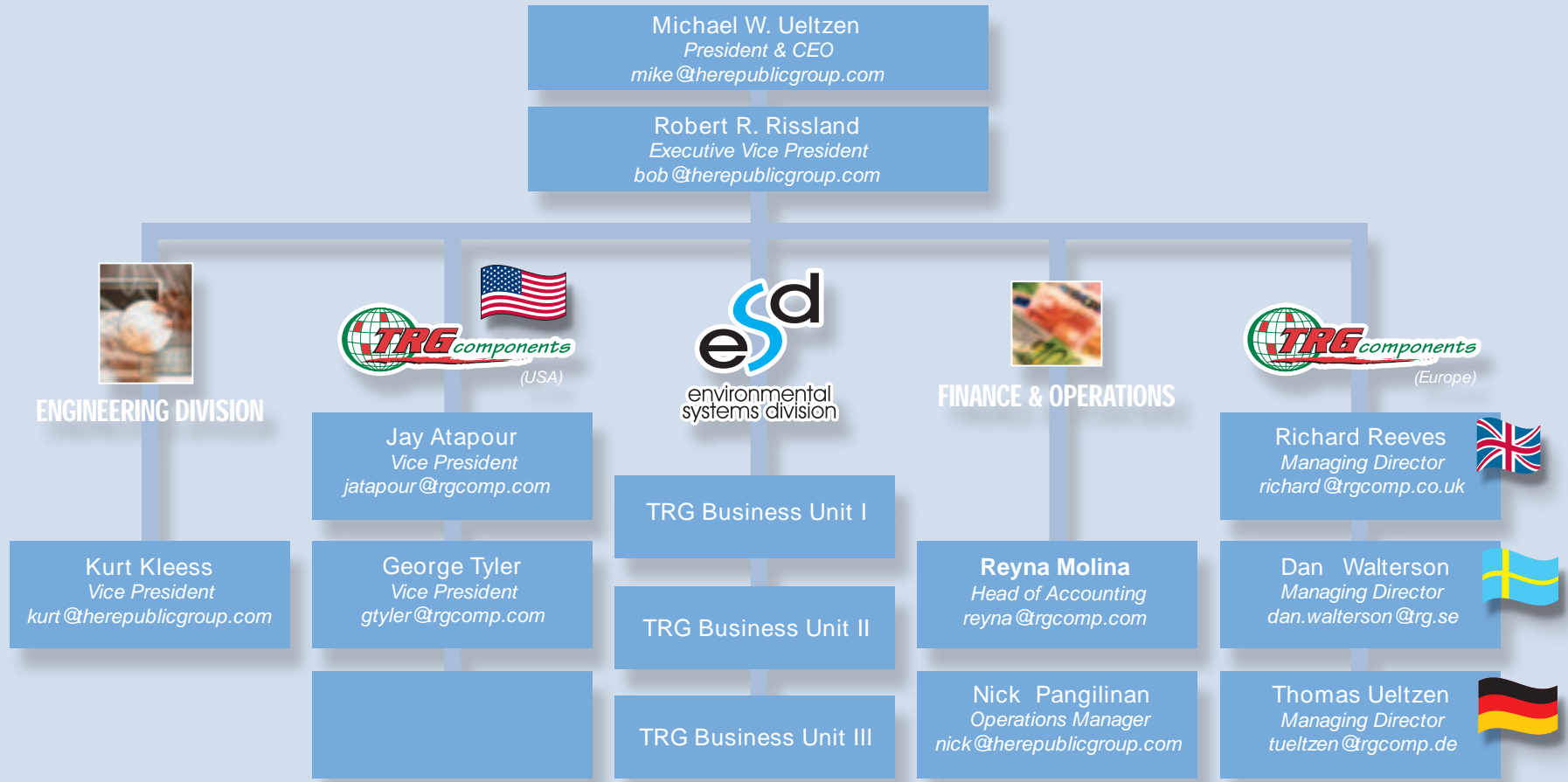
"The Million Dollar"  
Man

"The Ramallah Kid"





# THE REPUBLIC GROUP ORGANIZATION CHART



## The TRG International Offices

  
**GERMANY**  
Bonn  
Thomas Ueltzen

  
**CHINA**  
Beijing  
Kenneth Yu

  
**UNITED KINGDOM**  
South Hampton  
Richard Reeves

  
**SCANDINAVIA**  
Arboga  
Kjell Larsson  
Dan Walterson

  
**THAILAND**  
Bangkok  
Prachaks Asvaplunprohm

  
**INDIA**  
Delhi  
Dr. B.K. Singh

  
**SOUTH AMERICA**  
Rio de Janeiro  
Pedro Lynch  
Cesar Lynch

## ***Before there was an ESD...***

### **Our technology and the players may have changed, but the game remains the same!**

For the past 50 plus years, TRG COMPONENTS has been known as the company and the partner you can trust. We intend to keep your trust for the next 50 years, as we aim to capture more of the greatly expanding components market for decades to come. In our fast moving industry, where rapid change is ever present, TRG has remained flexible and continues to be able to change quickly by meeting customers' expectations or, if the need arises, TRG adapts quickly and willingly to any new industry standards or policies. Yet, day in/day out our buyers remain tough as nails when it comes to sourcing product for you to maintain our position as the leading service provider by giving impeccable service and total commitment to our customers and partners alike.

For the past several decades, while navigating carefully through the peaks and valleys of the ever so volatile and unpredictable semiconductor market, TRG COMPONENTS has strived for market balance allowing us to rise beyond any adverse market conditions as each time, when the going got tough, TRG managed to reinvent itself to be even stronger than we were before any market downturns. We pride ourselves that we never failed keeping the famed TRG "quality of service" at the highest distribution standards, which ultimately is the reason why TRG is recognized globally as second to none in our industry.

TRG COMPONENTS has been nothing less than brilliant with its innovative style and in its entrepreneurial spirit. We parlay aggressive buying with offering fair prices to our customers and couple that formula with delivering quality products through in-depth market knowledge thereby serving TRG's ever growing worldwide business base alertly at the speed of light. Time and again we have proven to our customers and suppliers that our vendors and customers alike have chosen in TRG the right partner to accelerate their own success. TRG's global scope, talented employees and relentless commitment to value-based price management will ensure that, for years to come, TRG will continue to be a leader to be reckoned with when it comes to independent distribution.

Customer focus, unmatched service, flexibility, global reach and decades of experience are the reasons

why TRG COMPONENTS is the distributor of choice for electronic components world-wide. Just try us - you will be amazed how much value TRG will add to your bottom line!

### **TRG Component's OEM Sales and Support Division seeks to build close relationships with it's client base by developing a deep understanding of customer programs and processes.**

Offering complete sales, engineering and design support for both engineering and purchasing departments, we strive to build partnerships through long-term cooperation and by offering products that are complementary to our target markets and applications.

With a client base that stretches from Canada to Brazil, we strive to focus on customer programs where local engineering and design impact can be maximized and where the benefits of working with a dedicated supply partner are felt immediately by small, mid-size and large clients alike.

While currently featuring products from over 20 manufacturers, we continually review the types of products we feature, seeking leading edge innovations from the international marketplace to help build a coherent and synergistic linecard. We do not strive to become a broadline distributor but will limit our number of franchise agreements so that we can give extreme focus to our sales and marketing efforts.

Working closely with our suppliers allows quick time to market for new products and services. Streamlined logistics and communication that cut across many time zones provides immediate results for both customers and suppliers alike giving us an edge in response time and a nimble approach to the global marketplace.

We feature a fully functional set of web-based tools that allows easy access to current product information and also gives the ability to send selected product and market information to groups of clients based on areas of interest or market sector.

Future goals include an online store that will allow easy ordering of selected popular items from dedicate local inventory. And as always, we will seek a continued expansion of franchised product lines to support our efforts to move into new and emerging market sectors.

# THE TRG ENVIRONMENTAL SYSTEMS COMPANIES



## Weather Radars and Surface Weather Systems.

When reliability under all conditions, state-of-the-science technology and long-term customer support are critical, meteorological services around the world ask for EEC by name. Solving the hard problems, when human lives and property are on the line, is our primary business and, while solving your problems, EEC still maintains its world leadership for practical weather solutions. With tight focus on high quality, we continue to deliver technologically superior meteorological radar systems both in the US and abroad. As a result the forecasting future for EEC worldwide customers is bright! The entire EEC product line leads the industry in PERFORMANCE with innovation as the standard ingredient in every EEC weather radar. Recent innovations include patented simultaneous dual polarization designs, ultra-high definition signal processing and displays that provide true insight into storm and weather event structure and behavior. EEC provides absolutely the best clutter rejection in the business and a completely updated software system with more useful products making life much easier for meteorologists and hydrologists alike.



## Radiometrics Atmospheric Profiling Radiometers.

Radiometrics Corporation designs, develops and manufactures microwave radiometers for atmospheric remote sensing. The Radiometrics MP-3000A Microwave Profiler is a rugged hyper-spectral instrument that delivers continuous temperature, humidity and liquid profiles to 10 km, all essential for accurate short-term weather forecasting. Using proprietary technology to ensure optimum performance in a highly portable package, the radiometer design has been proven during more than four million hours of tropical, polar and mid-latitude operations. Patented frequency agility, state-of-the-art component technology, modular design and proprietary Rain Effect Mitigation ensure optimum, cost-effective operations at any location in nearly all weather conditions. The MP-3000A is free from electromagnetic or acoustic emissions and operates reliably during high winds and precipitation. It is the instrument of choice wherever continuous upper air thermodynamic soundings are needed for improved short-term weather and dispersion forecasting.



## WDT Nowcasting Systems & Services.

Weather Decision Technologies, Inc. (WDT) offers a wide variety of Nowcasting technologies that automatically analyze radar, satellite and surface data, generate accurate precipitation estimates and forecasts (QPE & QPF), and predict hazardous weather phenomena up to four hours in advance. These Weather Decision Support Systems (WDSS) are based on integrated advanced algorithmic analysis tools developed by and licensed from such centers of excellence as the National Severe Storms Laboratory (NSSL), the University of Oklahoma, McGill University and MIT Lincoln Labs and integrated by WDT into reliable operational solutions. WDT is also an acknowledged leader in the provision of Numerical Weather Prediction (NWP) systems utilizing the respected Weather Research and Forecast (WRF) model. WDT builds and designs and delivers these Nowcasting and NWP solutions in customized WDSS configurations designed to satisfy end-user requirements in hydrology, meteorology, aviation and a broad spectrum of industrial applications, including offshore oil operations.



## High Sierra Electronics, Inc.

(HSE) has been designing and manufacturing quality hydrological monitoring systems and meteorological instruments for Federal, State, County and City government agencies since 1992. HSE systems can help predict environmental changes, disseminate information, and facilitate automatic warning systems. Applications include flood warning, water resource management, met data collection, satellite and radio data communication, road surface monitoring, and transportation warning systems. HSE also offers a wide range of engineering services from site surveys and radio path studies to turn-key installation, base station set-up/configuration, training, and preventative maintenance contracts. High Sierra Electronics, Inc. is ISO 9001:2000 Certified.

DeTect Inc.  
detection technologies



## DeTect Inc. Radar Wind Profilers and Avian Radar Systems.

DeTect's RAPTOR™ Radar Wind Profiler (RWP)

product line is a proven implementation of the latest techniques, resulting in systems optimized for unattended operation and delivery of continuous profiles of

vertical and horizontal winds for weather forecasting, aviation, space and military applications. RAPTOR utilizes a unique electronically steerable Yagi antenna array that, along with the transmitter, is easily scalable so that systems can be customized to meet each customer's altitude and resolution specifications. RAPTOR delivers high reliability with low acquisition and ownership costs, and is fully expandable. The nominal transmit frequency for the RAPTOR tropospheric wind profiler is 449 MHz. A boundary layer model is also offered with a nominal frequency of 915 MHz to support lower-power applications such as pollution studies. RAPTOR systems are available in other frequency ranges to satisfy country- and application-specific requirements. DeTect, Inc. specializes in remote sensing technologies and systems for aviation safety, meteorology, security surveillance and environmental monitoring for projects worldwide. The DeTect MERLIN Avian Radar System is the leading system of its type for Aircraft Birdstrike Avoidance and Environmental Applications.



## HALO Photonics Pulsed Doppler Lidar System.

HALO-Photonics Pulsed Doppler LIDAR systems are unique, state-of-the-art autonomous instruments designed for reliable and accurate atmospheric remote sensing in the most severe operating environments. The systems are suited to boundary layer meteorology, cloud measurements, wind profiling and air quality monitoring - all in one compact unit. HALO-Photonics Doppler LIDARs are eye safe (Class 1M) instruments, of modular design and rugged construction, suitable for field deployments where remote monitoring and control are a prerequisite. Now available with an optional All-Sky Scanner, the HALO-Photonics LIDARs are optimized for research and operational applications related to upper air winds, air quality, and pollution dispersion. The instruments are built using a series of interchangeable modules that can be configured to suit individual requirements and deployment scenarios (including laboratory, remote land based, ship-borne, aircraft, etc.)



## Environmental Systems and Services Pty. Ltd.

(ES&S) is the largest Australian company specializing in meteorological, hydrological and seismological products and services and has been operating in this field for more than 20 years. ES&S has offices in Melbourne and Brisbane, and representatives in Indonesia, Malaysia, Hong Kong, Taiwan, Thailand, Korea, Japan, China, India, Philippines, US, Canada and Chile. ES&S supplies EEC weather radars and associated radar data processing and display systems to the Australian Bureau of Meteorology and other National Meteorological Services in the Southeast Asia and Pacific region. ES&S also designs and manufactures meteorological satellite ground stations and processing systems, water monitoring sensors and loggers, oceanographic sensors and systems and seismological equipment and software. It specializes in integrated solutions comprising data processing and display, message switching and forecaster workstations. ES&S has more than 100 systems operating in Australia and overseas.



## Antennas for Communications (AFC)

AFC manufactures, markets and sells worldwide satellite dish antennas, conical horn antennas, radomes, antenna feeds, microwave and waveguide components and ultra low transmission loss waveguide called Tallguide®. Our customers serve the satellite, broadcast, communications, radar, weather and cable industry, defense, government, and government agencies. AFC has been in the radome business since 1972 and offers a series of rigid, free-standing 'spherical' and 'faceted geodesic' radome designs in sizes ranging from 3.0-ft to 110-ft in diameter. The radomes are being utilized in support of a wide variety of Government, Military, Weather and Commercial systems using dielectric and impedance matching technology to achieve superior structural and RF performance.

Contact any of these companies by writing to:

[esd@therepublicgroup.com](mailto:esd@therepublicgroup.com)  
[www.therepublicgroup.com](http://www.therepublicgroup.com)



[esd@therepublicgroup.com](mailto:esd@therepublicgroup.com)  
[www.therepublicgroup.com](http://www.therepublicgroup.com)

The TRG  Division  
"environmental systems"





**Bob Rissland**



**Mike Ueltzen**

**Georgetown University**

Washington, D.C., Founded 1789

*...where it all began!*





Gary Andrews



Ron Merritt



Laura Escamilla



Bob Rissland



Scott McLaughlin

*Union Station - Washington's Train Station*



Radars Wind Profilers  
& Avian Radar Systems

[www.detect-inc.com](http://www.detect-inc.com)  
[intl-sales@detect-inc.com](mailto:intl-sales@detect-inc.com)

The TRG  Division  
systems™





Bob Rissland



Laura Escamilla



Bill Conway and Mike Ellis



*The Lincoln Memorial*



Automated Nowcasting and  
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[sales@wdt-intl.com](mailto:sales@wdt-intl.com)

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Abdel, Milton, Kyle, Sam, Erik, Dahn, Tom & Nick  
Michelle, Barb, Linda, Jay, Hoa, Shin & Hugo

*The Jefferson Memorial*



Global Distribution at the speed of light...

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[directsales@trgcomp.com](mailto:directsales@trgcomp.com)







*The White House*



Mike, Sue, Chi and Kurt  
The EEC International Team



Doppler Weather Radars &  
Surface Weather Systems

[www.eecradar.com](http://www.eecradar.com)  
[sales@eecradarintl.com](mailto:sales@eecradarintl.com)

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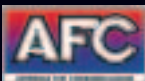


Mike



Chi

*Fireworks over Washington, D.C.*



Fiberglass and Dielectric  
Space Frame Radomes

[www.afcsat.com](http://www.afcsat.com)  
[sales@therepublicgroup.com](mailto:sales@therepublicgroup.com)

The TRG  Division  
"environmental systems"





Dan



Christian



Lisa



Esa



Inga



Maria

*Arboga on the River*



Leading the way in Scandinavia  
in LED and Optoelectronics



[www.trg.se](http://www.trg.se)  
[info@trg.se](mailto:info@trg.se)







Kenneth



Evily



Carol



Christina

*The Great Wall of China*



Your China  
componnets source!



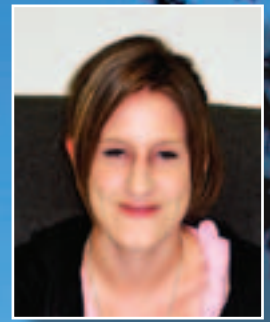
chiinaa@chiinaa.com  
+86-10-659 16672







Richard R.



Lyndsey



Nancy



John



*Winchester Cathedral, Southampton*



Your UK "Can Do" Distributor



[www.trgcomponents.co.uk](http://www.trgcomponents.co.uk)  
[sales@trgcomp.co.uk](mailto:sales@trgcomp.co.uk)







Michael



Bastian



Liz



Sven



Thomas



Sigrid



Stephanie

*The Siebengebirge view across the Rhine from Bonn*



Your components  
source in Germany!



[www.trgcomp.de](http://www.trgcomp.de)  
[sales@trgcomp.de](mailto:sales@trgcomp.de)





VTI... the winning team!

*Mount Vernon, Virginia*



Virginia Technology Inc.  
"Your components supermarket"

[www.vtiusa.net](http://www.vtiusa.net)  
[directsales@trgcomp.com](mailto:directsales@trgcomp.com)







Fred Solheim



Mike Exner



Bob and Karin



Stick Ware

*The National Museum of the American Indian*

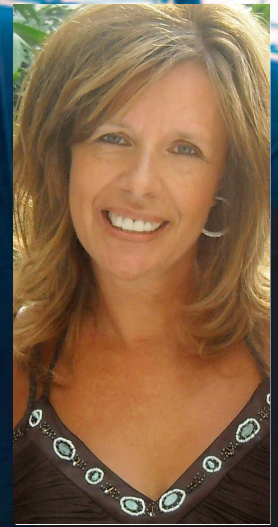


Temperature, Humidity &  
Liquid Water Radiometers

[www.radiometrics.com](http://www.radiometrics.com)  
[international\\_sales@radiometrics.com](mailto:international_sales@radiometrics.com)

The TRG  Division  
"environmental systems"





Andrea



Tom Ogden



Mike



Sue Swenor

*The Air and Space Museum*



High Sierra  
Electronics, Inc. Environmental Monitoring

[www.highsierraelectronics.com](http://www.highsierraelectronics.com)  
[andrea@therepublicgroup.com](mailto:andrea@therepublicgroup.com)

The TRG  Division  
"environmental systems"





Dave, Cindy, Noi and George

*The Kennedy Center*



OEM Sales & Support Representations

[www.trgcomponents.com](http://www.trgcomponents.com)  
[sales@trgcomp.com](mailto:sales@trgcomp.com)







  
**THE REPUBLIC GROUP**  
Since 1958

*Excellence in Export*

*Christmas in Washington*





*"we are your bridge"*



Karl Eggestad, Heather and Huckleberry

*Stone Bridge,  
Rock Creek Park, Washington, D.C.*



TV Weather Forecasting  
Systems & Services

[www.weatherone.tv](http://www.weatherone.tv)  
[sales@weatherone.tv](mailto:sales@weatherone.tv)

The TRG  Division  
"environmental systems"





[WWW.THEREPUBLICGROUP.COM](http://WWW.THEREPUBLICGROUP.COM)  
[SALES@THEREPUBLICGROUP.COM](mailto:SALES@THEREPUBLICGROUP.COM)

TEL: 703-533-8555  
FAX: 703-533-3190