

# Global Support, Weathering Exposure Sites & Laboratories



ACCELERATING YOUR EXPERTISE



## ■ Corporate Offices

Chicago, Illinois USA ■ Linsengericht, Germany ■ Shanghai, China ■ São Paulo, Brazil  
Élancourt, France ■ Mörfelden-Walldorf, Germany ■ Bangalore, India ■ Leicester, United Kingdom

## ● Outdoor Exposure Sites & Laboratories

Miami, Florida USA • Phoenix, Arizona USA • Sanary, France • Chicago, Illinois USA • Linsengericht, Germany  
Hoek van Holland, The Netherlands • Chennai, India • Prescott, Arizona USA • Medina, Ohio USA  
Keys, Florida USA • Jacksonville, Florida USA • Alberta, Michigan USA • Hainan, China • Guangzhou, China  
Turpan, China • Seosan, Korea • Miyakojima, Okinawa, Japan • Choshi, Japan • Kirishima, Japan  
Singapore • Melbourne, Australia • Townsville, Australia • Novorossiysk, Russia  
Gelendzhik, Russia • Moscow, Russia

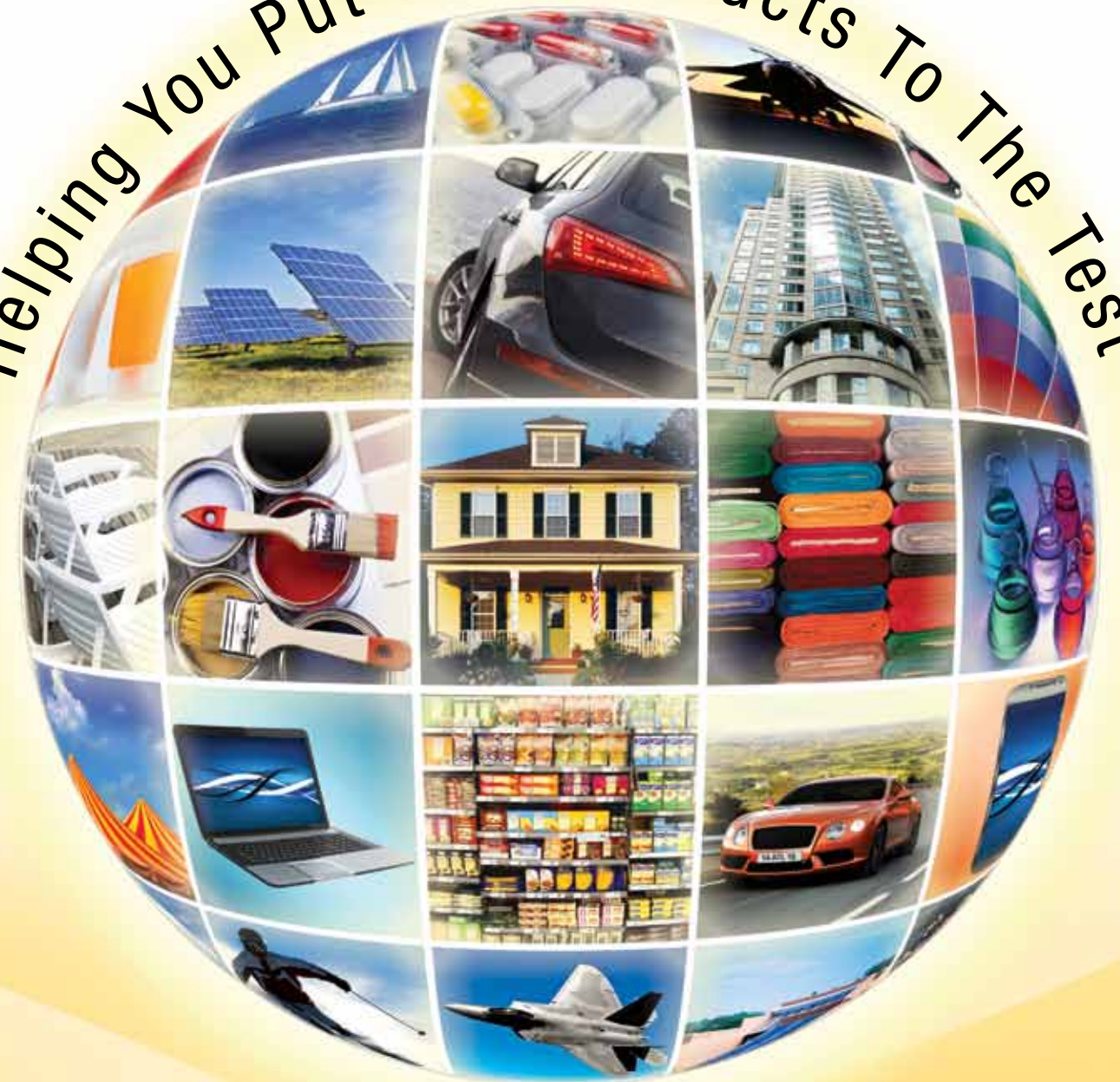
## ▲ Local Sales & Service Support

To contact your local Atlas Sales representative please visit <http://atlas-mts.com/contact/local-representatives/>

For general inquiries please contact us at [atlas.info@ametek.com](mailto:atlas.info@ametek.com)

[www.atlas-mts.com](http://www.atlas-mts.com)

Helping You Put Your Products To The Test



THE GLOBAL LEADER IN  
PRODUCT DURABILITY, PERFORMANCE &  
WEATHERING TESTING INSTRUMENTS & SERVICES

# Instruments

Our mission is to help our customers worldwide provide the most reliable and durable product solutions through our combined experience and expertise in weathering instruments and testing, custom capabilities, consulting and global support.

## Accelerated Weathering ♦ Corrosion ♦ Flammability ♦ Solar Simulation ♦ Technical Lighting

### Ci Series Weather-Ometers



Atlas' flagship accelerated weathering instruments offer superior performance, innovative features, and large capacity.

- ♦ Water-cooled xenon arc lamps and advanced filter technology deliver the best simulation of natural sunlight
- ♦ Best-in-class uniformity for irradiance, temperature, relative humidity and spray
- ♦ Intuitive touch screen controls
- ♦ Custom testing capabilities

### SUNTEST® Instruments



The most widely used flatbed xenon test chambers available in tabletop or free standing models to meet lower testing capacity needs. Features include:

- ♦ Optical light filters to simulate indoor/outdoor sunlight
- ♦ A variety of accessories ideal for testing realistic end-use conditions
- ♦ Best-in-class 3D specimen testing

### Xenotest® Instruments



These premium air-cooled accelerated weathering instruments offer an array of options to meet virtually all global weathering and lightfastness testing requirements.

- ♦ Designed with state-of-the-art controls
- ♦ On-rack radio-controlled sensor technology for superior monitoring of light and temperature
- ♦ High water and power efficiency

### UVTest



An economical fluorescent/UV weathering test instrument for product screening at lower operating costs.

- ♦ Simple touch screen operation and control in several languages
- ♦ Patented irradiance calibration safety access ports
- ♦ Remote Ethernet data acquisition application
- ♦ Recirculating spray water option

### Corrosion Cabinets



The most sophisticated and versatile corrosion and salt fog cabinets available. Capable of replicating automatic cycling between several environmental conditions to reduce the need to move or otherwise handle test specimens.

- ♦ Design maximizes testing volume
- ♦ Large solution reservoir
- ♦ Optional features allow for simulation of several environmental conditions

### Flammability Chambers



Atlas flammability chambers offer unmatched accuracy, repeatability and safety when determining the burn rates and resistance of various materials.

- ♦ All chambers are easy to install and operate
- ♦ Specimen holders available to accommodate a variety of material types
- ♦ Chambers are available for appliance, aircraft and automotive applications

### Solar Simulation Systems



Atlas Custom Systems designs and builds custom solar simulation systems such as walk-in chambers or full-scale test facilities. These full scale test facilities use a series of highly coordinated metal halide lights to provide uniform radiant energy to meet the demanding testing needs of many industries.

### Technical Lighting Systems



Atlas/KHS technical lighting systems are designed for high-speed photography and video. These systems are ideal for crash testing and other safety experiments, custom designed to match the complex illumination requirements of various test configurations. Available with conventional HMI light sources or the latest LED technology, these lighting systems offer an array of solutions for analytical testing of high speed events.

# Services

## Natural & Accelerated Weathering Testing ♦ Evaluations ♦ Consulting ♦ Technical Support ♦ Client Education

### Natural Weathering Services



Atlas offers outdoor weathering sites worldwide to ensure factors from a variety of climates can be tested.

- ♦ Static exposure testing
- ♦ Sun tracking exposure testing
- ♦ EMMAQUA® accelerated outdoor testing
- ♦ Automotive exposure testing (samples, components, complete vehicles)

### Accelerated Laboratory Weathering Services



Atlas Weathering Services Group operates one of the largest networks of ISO/IEC 17025 accredited accelerated weathering testing laboratories in the world. Our indoor exposure labs offer artificial accelerated weathering tests and a variety of other environmental test programs, all designed to accurately simulate true end-use conditions and meet global weathering standards.

### Ultra-Accelerated Weathering Services



Atlas offers leading-edge ultra-accelerated exposure testing services. With the use of its patented "cool mirror" technology, Atlas' Ultra-Accelerated Weathering System and Ultra-Accelerated EMMA®/EMMAQUA® allow for a variety of materials to be tested under very high concentrations of UV energy without excessive heating of the test samples.

### Evaluation Services



Atlas offers a wide range of evaluation and measurement services for your specimens during and after the weathering process.

- ♦ Instrumental color/gloss measurements
- ♦ Visual evaluations
- ♦ Photography/IR imaging
- ♦ Emittance
- ♦ Spectral transmittance/reflectance
- ♦ Solar reflectance index
- ♦ Additional optical property measurements

### Solar Industry Solutions



Atlas offers a complete portfolio of testing services to evaluate the performance, durability and reliability of solar cells, modules, complete arrays, concentrated solar power products and solar thermal collectors. Atlas also offers its proprietary Atlas 25® long-term durability testing program for solar modules.

### Consulting Solutions



Atlas Consulting Solutions offers design and implementation of environmental durability testing methods, programs, and strategies. Our international group of weathering experts help you achieve your objectives through all stages of the value chain from materials to components, systems to end-use products.

### Client Education & Training



Atlas offers an array of resources designed to advance your weathering education and provide you with the knowledge you need to successfully meet your testing requirements. Global events include:

- ♦ Seminars
- ♦ Workshops
- ♦ Online seminars
- ♦ In-house programs
- ♦ Technical conferences

### Worldwide Technical Support



Proper maintenance is critical in order for your instrument to operate at peak performance. Atlas' AMECARE Performance Services Program ensures that your instrument will operate optimally at all times. Benefits include:

- ♦ Preventative maintenance inspections
- ♦ Scheduled ISO accredited calibrations (where available)
- ♦ Detailed service reports with professional assessment of key components