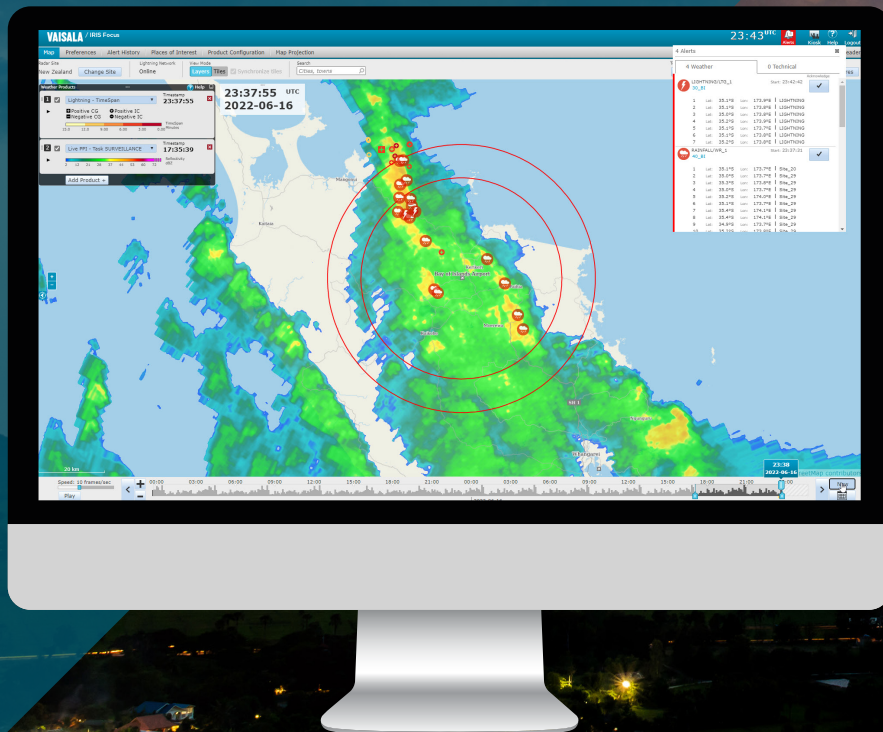
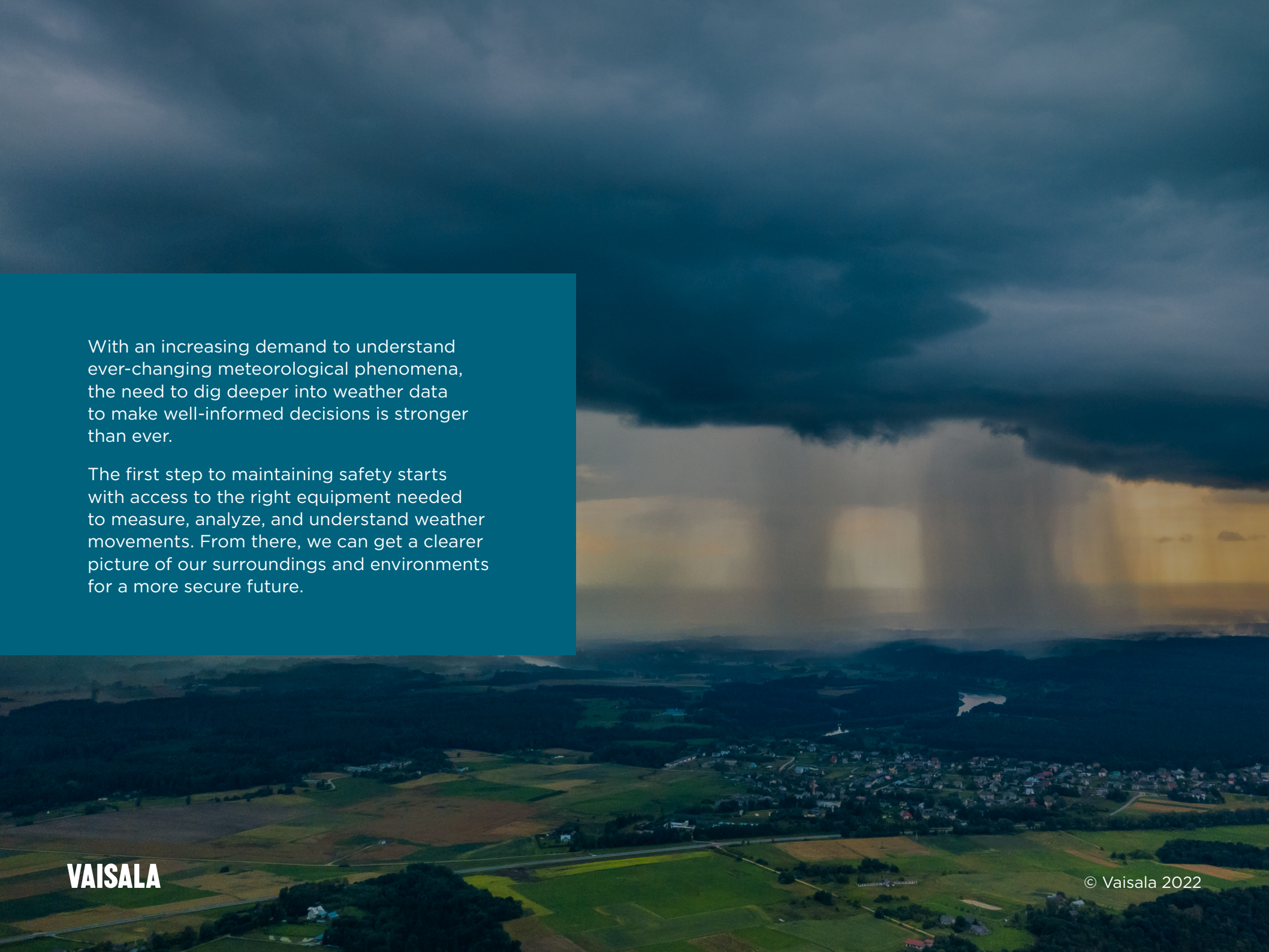


VAISALA

Experience more with IRIS Focus

The next generation of
remote sensing software





With an increasing demand to understand ever-changing meteorological phenomena, the need to dig deeper into weather data to make well-informed decisions is stronger than ever.

The first step to maintaining safety starts with access to the right equipment needed to measure, analyze, and understand weather movements. From there, we can get a clearer picture of our surroundings and environments for a more secure future.

The right weather-related decisions start with the right tools

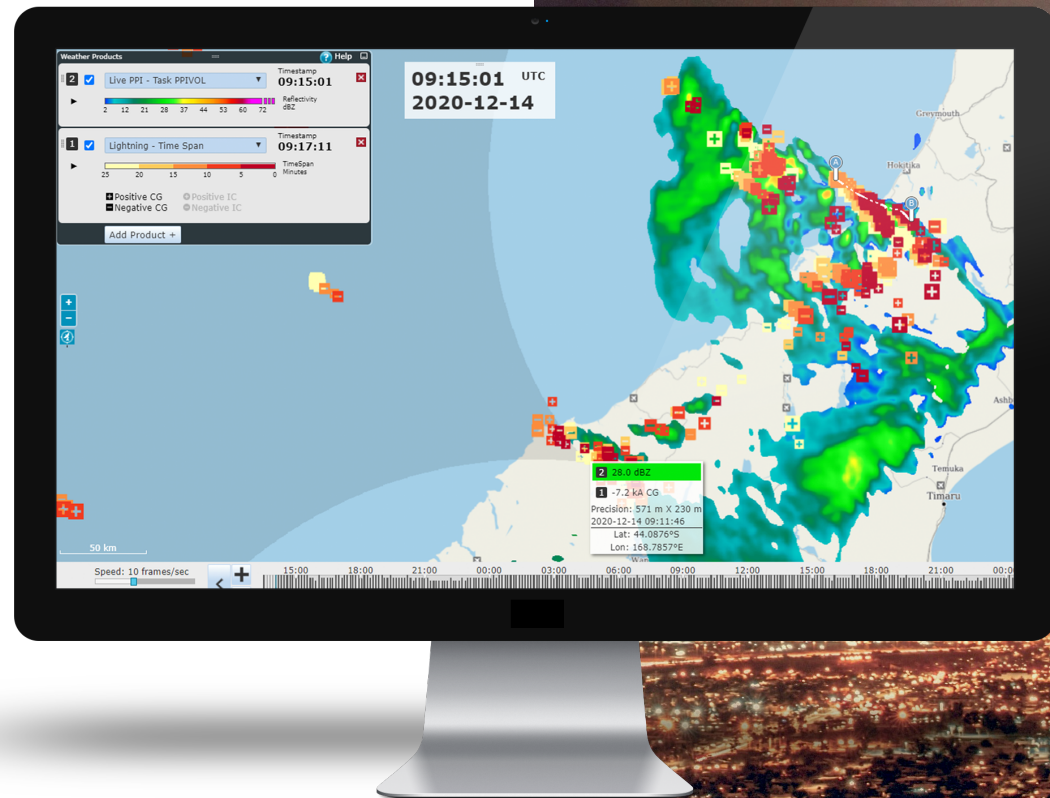
Why wait?

It's time to get the full weather picture — for quicker, more informed decision making.

Vaisala IRIS Focus offers a new generation of remote sensing software.

IRIS Focus is a software suite that offers a uniquely rich set of tools for viewing and analyzing your weather radar, lightning, and wind lidar data. Together, this data gives you a comprehensive view to help you better understand storms and other adverse weather events for:

- Earlier extreme weather and storm predictions and analyses
- Quicker decision-making for events that may impact your environment
- More accurate precipitation classification



Experience more

Vaisala IRIS Focus gives you more — more data, more views, more benefits — than ever before.

Key benefits



Access and easily share your data from anywhere, anytime.



Better understand storm movement and structure with expansive datasets.



Get the information you need most — early on.



Reduce training time with an intuitive interface.



Analyze data faster than ever before with advanced graphics.



Dig deeper with on-demand features.



Increase accessibility by assigning roles for different levels of users.



Have confidence in the latest remote sensing product standards.



1

Access and easily share your data from anywhere, anytime

Because IRIS Focus is a web-based software, you do not have to store data on your computer. You can access your data whenever, wherever, and on a desktop browser.



Anywhere access

- Share your data for easier distribution with colleagues in other departments and outside of your company or agency.
- Save your frequently used views so that they are available each time you get to work.
- Avoid the hassle of managing browser bookmarks or recreating live product, view, or zoom, or tool settings from previous sessions.



Historical data browsing

- Visualize historical data browsing quickly — and go as far back as you wish.

2

Better understand storm movement and structure

Using the IRIS Focus observation tools, you can dig deeper into multiple raw datasets to greatly improve forecasts and the decisions that follow.



Vertical structure of storms

- Understand storm motion and growth by using the cross-section tool to see weather radar data at different altitudes concerning other data points.
- Improve your interpretation of the three-dimensional area and a storm's evolution.
- Perform curved cross-sections to analyze frontal boundaries and curved rain bands.
- Animate the data while using the cross-section tool to see how it changes over time with the area of interest.



Spatial awareness

- Continuously updated Geographic Information System (GIS) datasets.
- Extend weather radar observation coverage with Vaisala lightning precision network data, Vaisala Global Lightning Dataset GLD360 or any meteorological data in WMS format to show convective storm details and movement regarding local geographic features.

3

Get the information you need most — early on

IRIS Focus tools support quicker decision-making and accurate precipitation estimation and classification. Combining weather radar and lightning datasets help validate each other by determining storm cell centers and movement.



Configuration of warnings and alerts

- Automatically detect weather hazards as they appear.
- Areas of Interest can be created by way of either user-specified shapes or customer-supplied assets, as such as transmission or distribution power lines.
- Configure alerts with specified alarm conditions for each area, such as lightning, weather radar, or both.
- Setup alert areas based on different severity levels to ensure the most critical events are identified. Available configurations include Alarm, Warning, and Information.
- Receive a notification when a significant weather event (such as lightning, hail, wind shear, or heavy rain) generates an alert with respect to an area of interest. Methods now include visual, audible, and by email or SMS.
- Refer to the alert history panel for all active and previously generated alerts for a comprehensive view into significant weather events and their associated impacts.
- Use your own terminology and preferred icon so no interpretation is needed.



Weather radar-based nowcasting

- Use automated short-term weather radar forecasting to predict storm/precipitation movement up to two hours in advance.
- Support forecasters by visualizing the near future.

4

Reduce training time with an intuitive interface

Developed with customers in mind, the easy-to-use interface reduces complexity and training time. IRIS Focus helps you better understand storms for quicker decisions and more accurate precipitation classification.



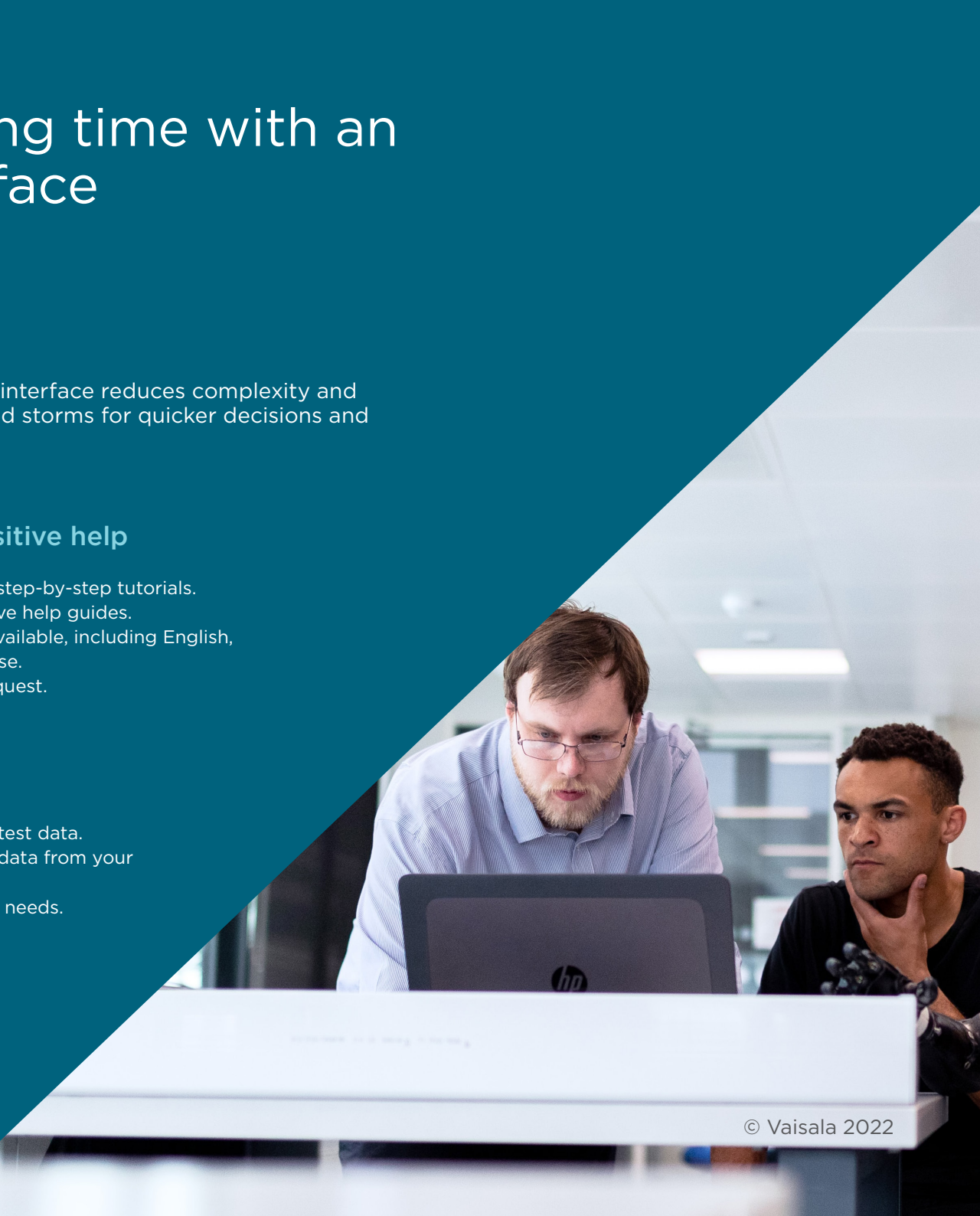
Tooltips and localized content-sensitive help

- Minimize time spent on training with interactive step-by-step tutorials.
- Benefit from built-in tooltips and context-sensitive help guides.
- Configure your setup in a variety of languages available, including English, French, Spanish, Portuguese, Russian, and Chinese.
- Additional languages can be incorporated by request.



Monitor your data flow

- Have confidence that you'll always receive the latest data.
- Receive alerts about interruptions in the flow of data from your remote sensing equipment.
- Configure the data alert trigger time to suit your needs.



5

Analyze data faster than ever before with advanced graphics

IRIS Focus offers new ways of observing data for more accurate precipitation estimation and lightning classification. Benefit from a rich set of tools and data processing capabilities, as well as continuous development and improvements made to its map offering.



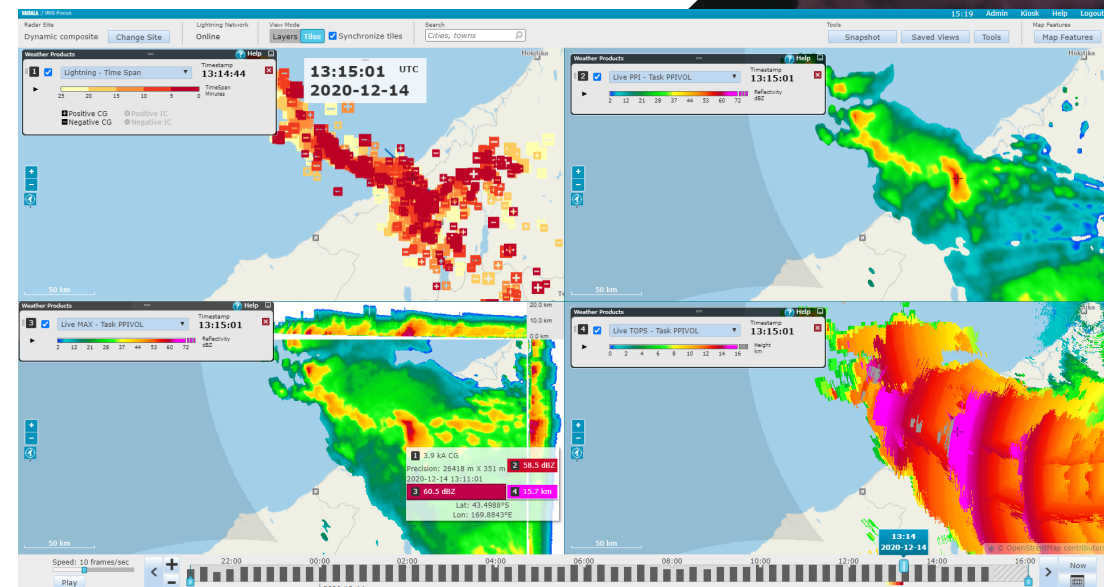
See more with the multi-panel display

- Display up to four remote sensing products in the same window to see significant weather details all at once.
- Synchronize time and location of displayed panels, as well as displayed panel animation.
- Move the cursor to a different location on the map – all displayed panels move together.



Overlay multiple data points

- Visualize your data together by combining datasets for observations across weather radar, lidar, and lightning information.
- Integrate multiple lightning products with radar features such as reflectivity and radial velocity.
- See radial winds and intensity simultaneously.
- Set height, smoothing, opacity, and data type in layer settings.



6

Dig deeper with on-demand features

Don't stop at just your average remote sensing data; get more out of your product. Experience more — and take advantage of the on-demand features that IRIS Focus has to offer to drill down even further.



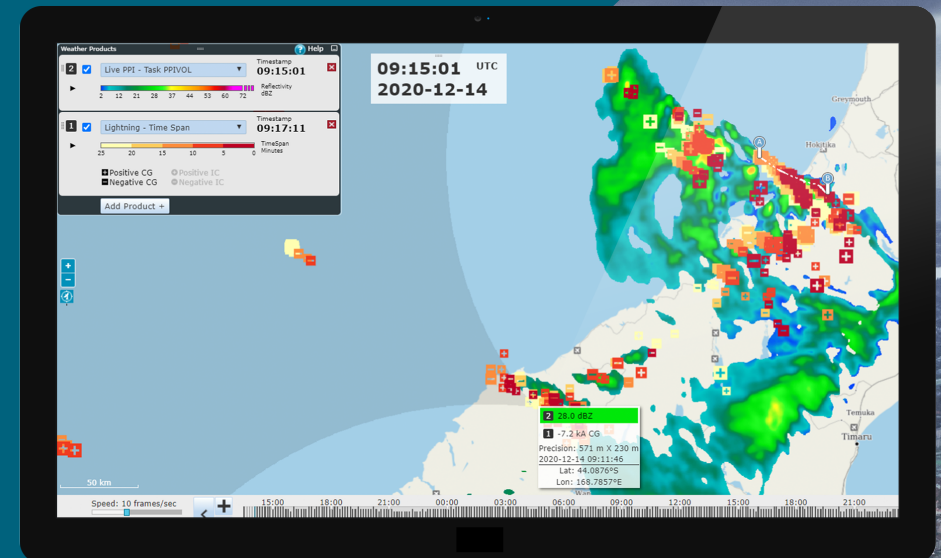
Generate high-resolution products on-demand

- Generate on-demand and pre-configured lightning, weather radar, and wind lidar products.
- Select the product parameters and adjust the visualization details.
- Experience seamless integration with on-demand product generation and user interface.



On-demand weather radar composites

- Easily access composite data.
- Visualize several radars on the same map, in one view.
- Use the larger coverage area to see weather from farther away.
- Complement this information with lightning and wind lidar data.



7

Increase accessibility by assigning roles for different levels of users

Completely designed with the end-user in mind, IRIS Focus lets you easily access data to view or share, no matter your role. Specific access levels and roles allow you to provide anyone in your organization visibility if needed.



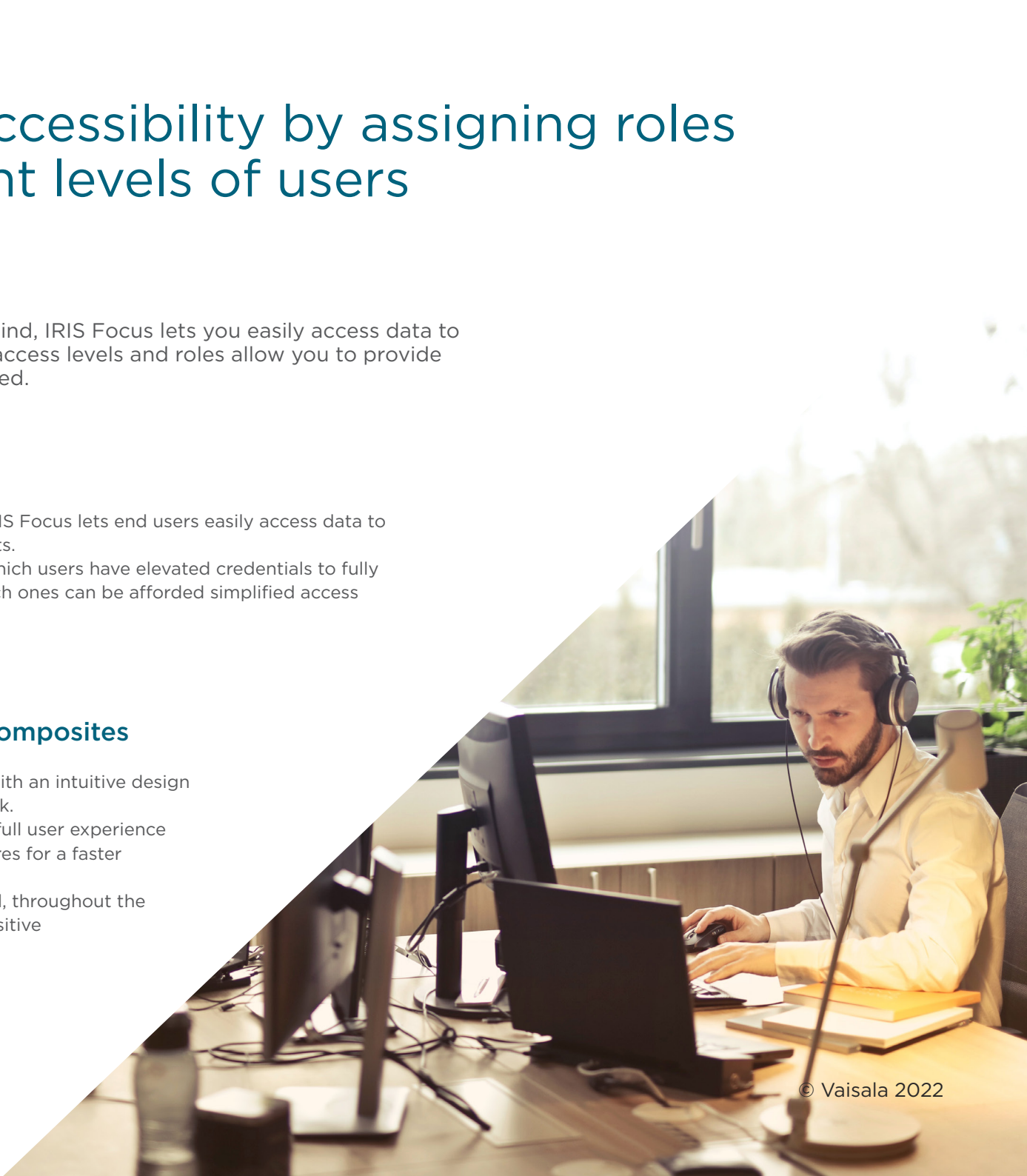
Defined user roles

- Designed with the end-user in mind, IRIS Focus lets end users easily access data to view or share interesting weather events.
- Optimize your user base by defining which users have elevated credentials to fully manipulate the web interface, and which ones can be afforded simplified access for data viewing.
- Access through a web-based display.



On-demand weather radar composites

- Reduce complexity and training time with an intuitive design developed based on customer feedback.
- With our new framework, we consider full user experience through improved interfaces and features for a faster time-to-market.
- Rely on additional assistance, if needed, throughout the program with guided tour, context-sensitive help, and tips.



8

Have confidence in the latest remote sensing product standards


With Vaisala, our technology is proven and backed by decades of experience in meteorology-specific product development. Trust one brand for a fully supported, end-to-end solution that includes everything from sensors and processors to a software display.



Vaisala total offering

- One-stop-shop system provider
- Reduces training time and allows for a seamless transition between two or more Vaisala products
- Ease of system upgrades





Learn more about how IRIS Focus
can help you quickly analyze
data for smarter, more informed
decision-making.

Contact us today to get started.

vaisala.com/contactus

www.vaisala.com

Ref. B212297EN-B ©Vaisala 2022
This material is subject to copyright protection, with all copyrights retained by Vaisala and its individual partners. All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. The reproduction, transfer, distribution or storage of information contained in this ebook in any form without the prior written consent of Vaisala is strictly prohibited. All specifications — technical included — are subject to change without notice.

Trusted weather observations for a sustainable future.

VAISALA