

A photograph of a rainy street at night. In the foreground, a circular storm drain is visible on the wet pavement, with water splashing around it. In the background, blurred city lights and cars are visible through the rain. A diagonal white line runs from the top right towards the bottom left, separating the top logo from the main image.

/HydroMet

 HydroMaster

Live web service to minimise the impact of precipitation
on operations, assets and infrastructure

 KISTERS
Empowering decisions of tomorrow



Master the rain with **HydroMaster**.

HydroMaster is a live web service that helps you manage precipitation-related risks efficiently. It provides tools to analyse real-time and forecasted precipitation data, allowing you to monitor and respond to weather events that could impact your operations.

View, analyse, and archive data for specific areas, with reliable radar-based observations and forecasts. Set custom alerts, define thresholds, and take preventive actions based on accurate rain gauge and radar data.

With HydroMaster, confidently manage precipitation risks and protect your assets.

Key Highlights.

✓ Radar visualisation and analysis tools

Animate high-resolution precipitation radar imagery (historical and forecast) and retrieve rain gauge-calibrated cumulative precipitation amounts for any defined period, with assessment and actioning of events available via a simple mouse-click.

✓ Customise your HydroMaster

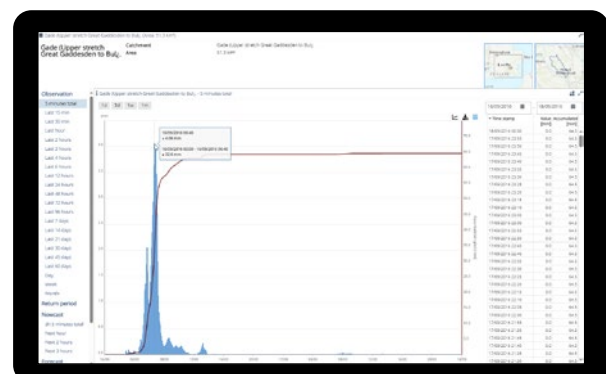
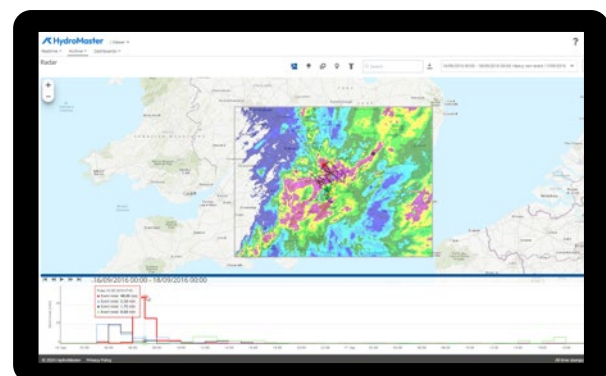
Add your catchment areas, zones of interest, hotspots and rain gauge data to obtain localised precipitation observations and forecasts within seconds. Evaluate how significant the impact will be for your area by comparing with return periods, and take appropriate measures.

✓ Tailored warnings and alerts

Combine past, near real-time and future precipitation data to generate automated warnings when threshold criteria are met. For timely and effective dissemination of warnings you decide who, how and when messages will be issued.

✓ Archive

View and analyse past precipitation events using the same tools as in real-time. Save your work in comprehensive post-event analytical reports with various pre-formatting options.



Why choose **HydroMaster**.

Know what's coming. Mitigate your risks.

With HydroMaster you not only know what's coming but also when, where, and the expected impact.

HydroMaster empowers you with access to the very latest high resolution precipitation radar in real time, updated on a continuous basis. With radar-based nowcasts paired with multi-model deterministic and probabilistic forecasts up to 15 days in advance, you can be assured of timely and accurate information to support your operational decisions.

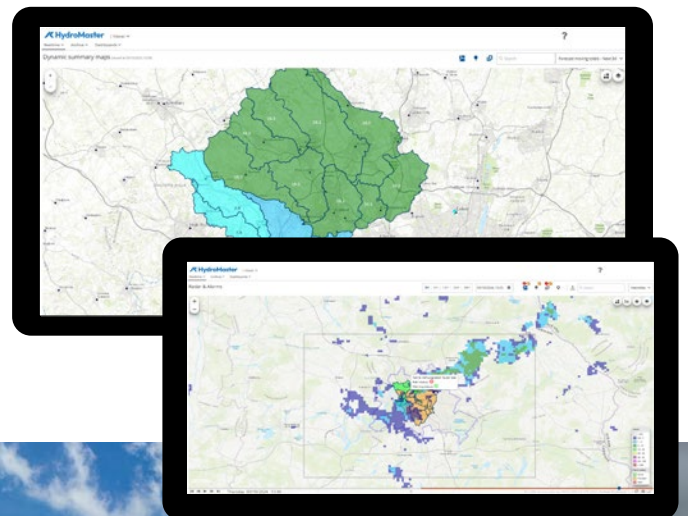
Take control.

With the HydroMaster Dashboard you have everything under your control: HydroMaster offers you a series of interactive maps, charts and tables, radar maps, precipitation totals, alarm status and return periods. Add your favourite view to your own private dashboard with a single click. Build your personal view by repositioning and resizing the elements.

Tailor forecast and warnings to area of interest.

Access your individual results from maps, charts and tables.

HydroMaster acts for your area of interest instead of giving you an arbitrary forecast. With a few clicks you can draw your area of interest or highlight your personal assets and hotspots. If you have your polygons (such as catchments) derived from a GIS system, you can upload them rather than creating them again. Once HydroMaster knows your objects it will automatically calculate precipitation totals and forecasts.



Set up alarms and warnings.

Save time while HydroMaster monitors the screens for you. Set up individual alarms and warnings for your objects and organise notifications via sms, e-mail or even X. You can choose your preferred media channel. All alarm and warning situations are recorded and displayed on screen. A rich set of statistics including storm analysis with return periods are presented during alarm conditions or for post event analysis.

Seamless team access.

HydroMaster's access permission allows you to set up HydroMaster for your team. Spread all the great features across your team by adding more users from your organisation. As a local administrator it is you who decides their access level. This is ideal for setting up HydroMaster for 24/7 operation rooms, or sharing alerts and warnings with others.



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Who we are.

We're KISTERS – and for over 60 years, we've specialised in helping our customers collect, analyse and share the environmental data that will shape the future.

Through innovative, digitally-focused solutions, we develop advanced systems that enable our customers to capture and manage information at a higher quality than ever before. So they can make the solutions our world needs to thrive.

Book your demo now.



Want to find out if HydroMaster is right for you?
Speak to a member of our team about booking your live demo today.

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