

FloodAlert provides deeper insight into flood risk management at catchment level.

FloodAlert gateway

A single gateway connects to all devices and communicates all data to a central network server.

Web portal

FloodAlert provides live monitoring on a secure, cloud-based portal, accessible from any device connected to the internet. Information from multiple data sources is visualised in an easy-to-use dashboard with a simple traffic light green, amber and red warning system.



Water level monitoring

FloodAlert tracks and monitors water levels at multiple locations as runoff rainwater travels down hillsides to lower ground in watercourses, below and around urban communities and into rivers.

Early flood warning

FloodAlert sends SMS and email early warnings for fluvial and pluvial flooding.

Data merging

FloodAlert collects real-time water level data in groundwater, surface water and watercourses and merges the information with flood risk variables such as 36-hour rainfall forecast data, ground rain gauge data, soil moisture ground saturation data and Environment Agency river level data.

Data analytics

A real-time digital map can be created and used to produce meaningful data such as trend analysis, diagnostic analysis and predictive failure analysis.

Natural flood management

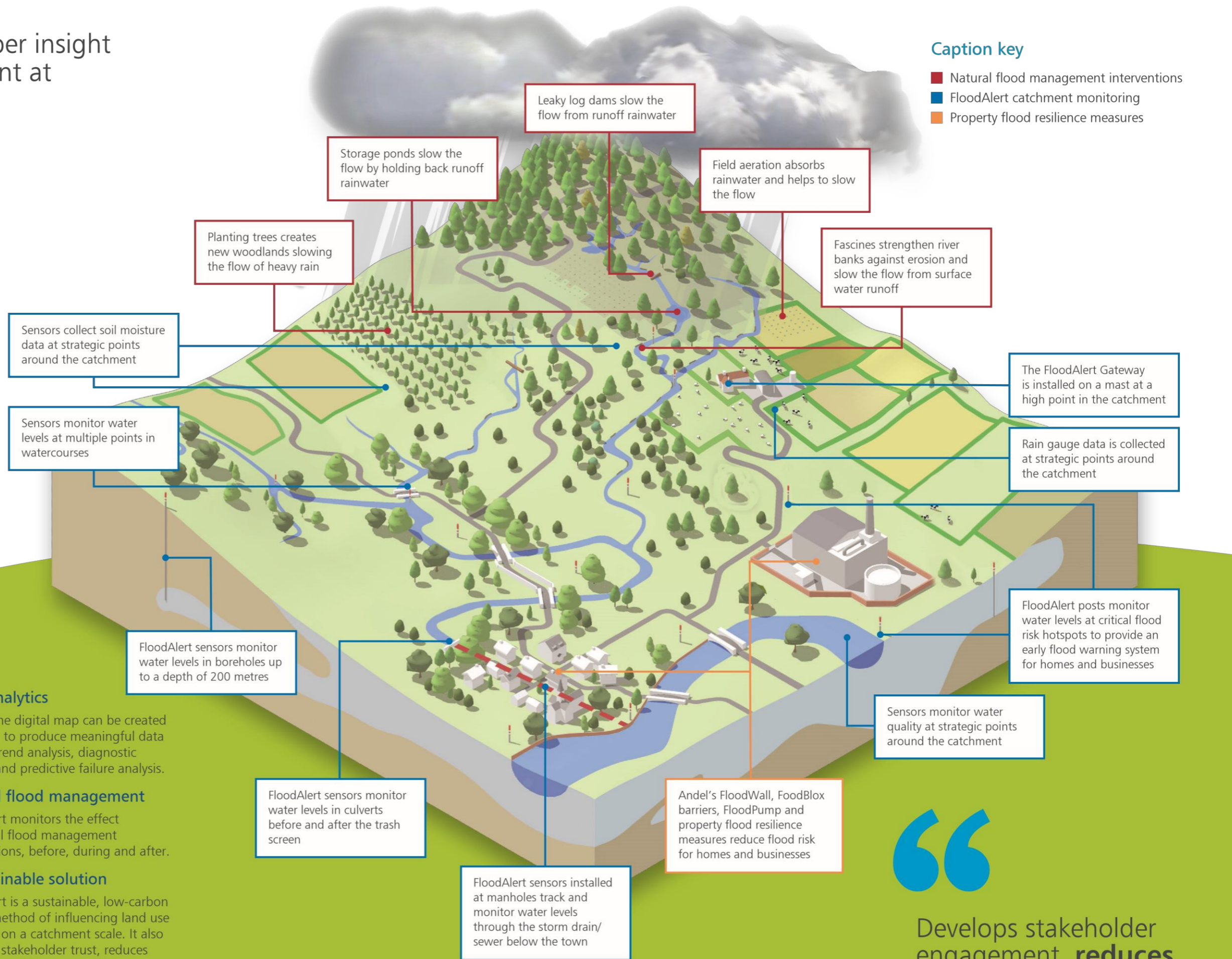
FloodAlert monitors the effect of natural flood management interventions, before, during and after.

A sustainable solution

FloodAlert is a sustainable, low-carbon impact method of influencing land use practices on a catchment scale. It also develops stakeholder trust, reduces flood risk and increases resilience.

Caption key

- Natural flood management interventions
- FloodAlert catchment monitoring
- Property flood resilience measures



Develops stakeholder engagement, **reduces flood risk** and increases resilience.