



## Project

Urban Flash Flooding  
Early Warning Systems

## Client

City of Parramatta NSW

### Overview:

For most people who live through a flood, normal life is put on hold. Homes and businesses are damaged. Services such as clean water and electricity may be disrupted. The [Parramatta CBD](#) is the most flash flood affected major CBD in New South Wales and has been severely impacted by flooding events over recent years. In the worst possible flood up to 25% of the community could be directly impacted by floodwaters. The flooding events limits emergency response time and the ability to protect homes and communities. To help respond to the growing population and the limitations of the City environment, Council has invested in early warning infrastructure to increase capacity to deal with flood events. By doing so they have created a more resilient community, who can respond earlier and recover quickly after flooding events, at home and at work.

### Features:

- Aquamonix assist Council to install and operate a network of automated [flood stations](#)
- Deployed stormwater monitoring cameras and population counters
- Bureau Of Meteorology ALERT platform by [ELPRO Technologies](#)
- Sites are integrated into Councils online response platform [Flood Smart Parramatta](#)
- Ongoing service and maintenance of remote warning infrastructure

### Outcomes:

“The FLASH service allows us to be much more responsive to extreme weather events. We can quickly and easily see the impact that heavy rainfall will have on our communities”

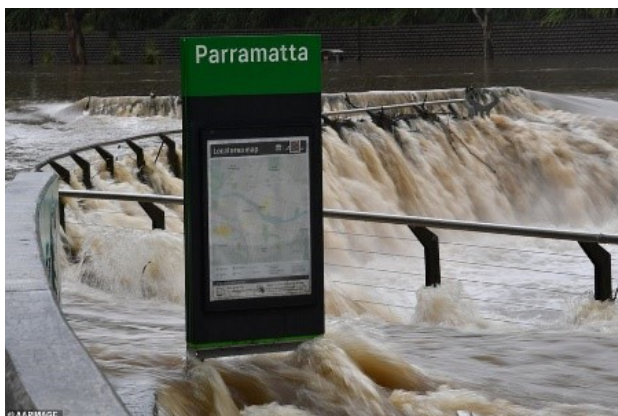
*Chris Gooch*

*Catchment Systems Coordinator,*

*City of Parramatta Council*

**Sydney is smashed by a month's worth of rain in just two hours as streets turn into rivers, cars are washed away and city's biggest river breaks its banks - and there could be even WORSE to come**

- Sydney smashed by rain with Parramatta River flooding in the west and streets across the city underwater



Residents now have access to real time rainfall and river data and automated warnings from council website.

### Contact us

[envirada@envirada.com](mailto:envirada@envirada.com)

[envirada.com](http://envirada.com)