

The logo for Synergy Solutions, featuring the company name in a blue sans-serif font. To the left of the text is a circular emblem composed of several overlapping, concentric green lines that create a sense of motion or a vortex.

Synergy Solutions

Water | Civil | Environment

Synergy Solutions Pty Ltd

Water | Civil | Environment

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Floodplain Management Training

SYNERGY

"The interaction of elements that when combined produce a total effect that is greater than the sum of the individual elements"

Synergy Solutions commends organisations working hard to understand and combat the threat faced by natural disasters including flooding.

A large part of this journey will be the critical component of ensuring emergency management professionals and officers charged with managing flooding are adequately educated and capable of understanding the basic concepts of weather, floodplain management and flood forecasting. Additionally local, state and federal officers and management teams should have the knowledge and have the ability to apply the basic concepts to manage flooding during events.

Proposal Summary

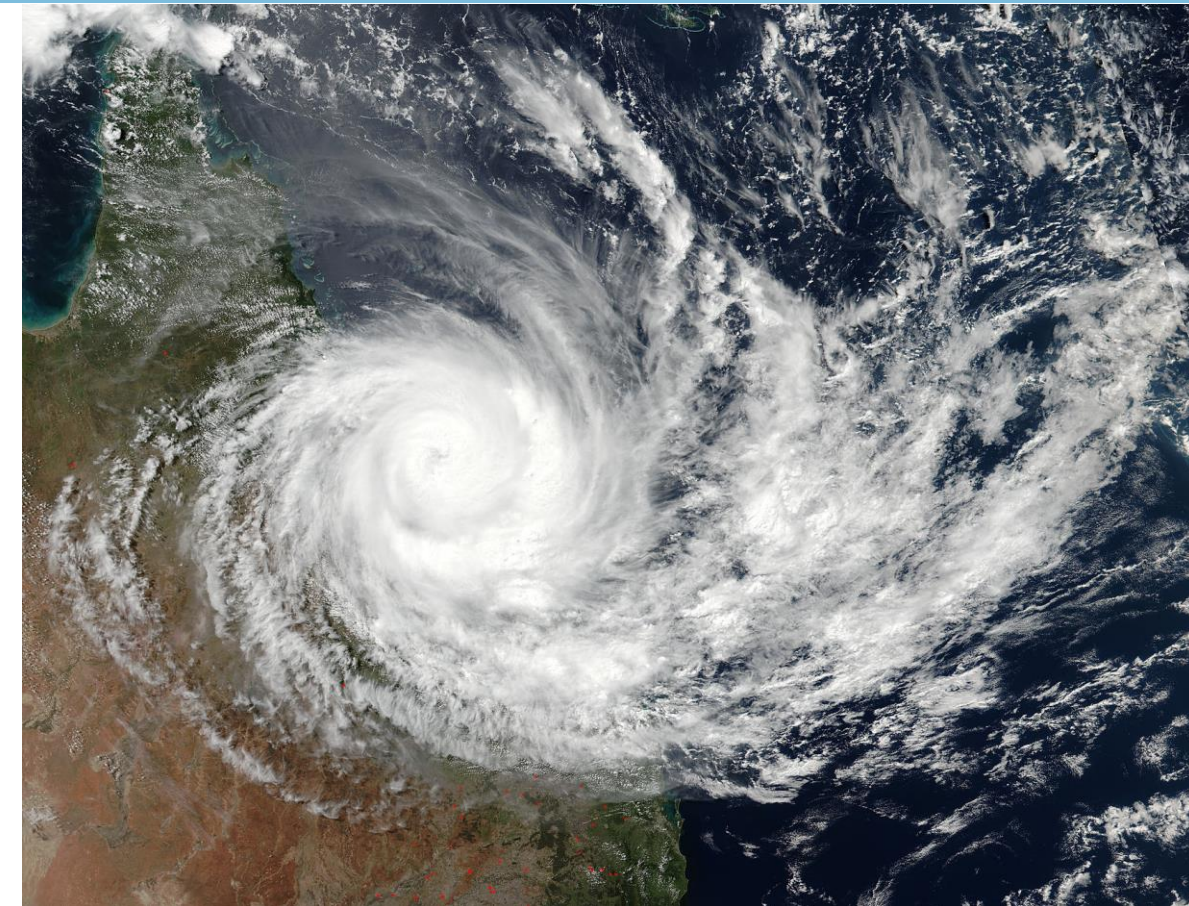
Synergy proposes a new type of training for organisations working in the emergency management spaces. Understanding the basics and some advanced components of weather, flood modeling, floodplain management and flood forecasting is critical to emergency management professionals.

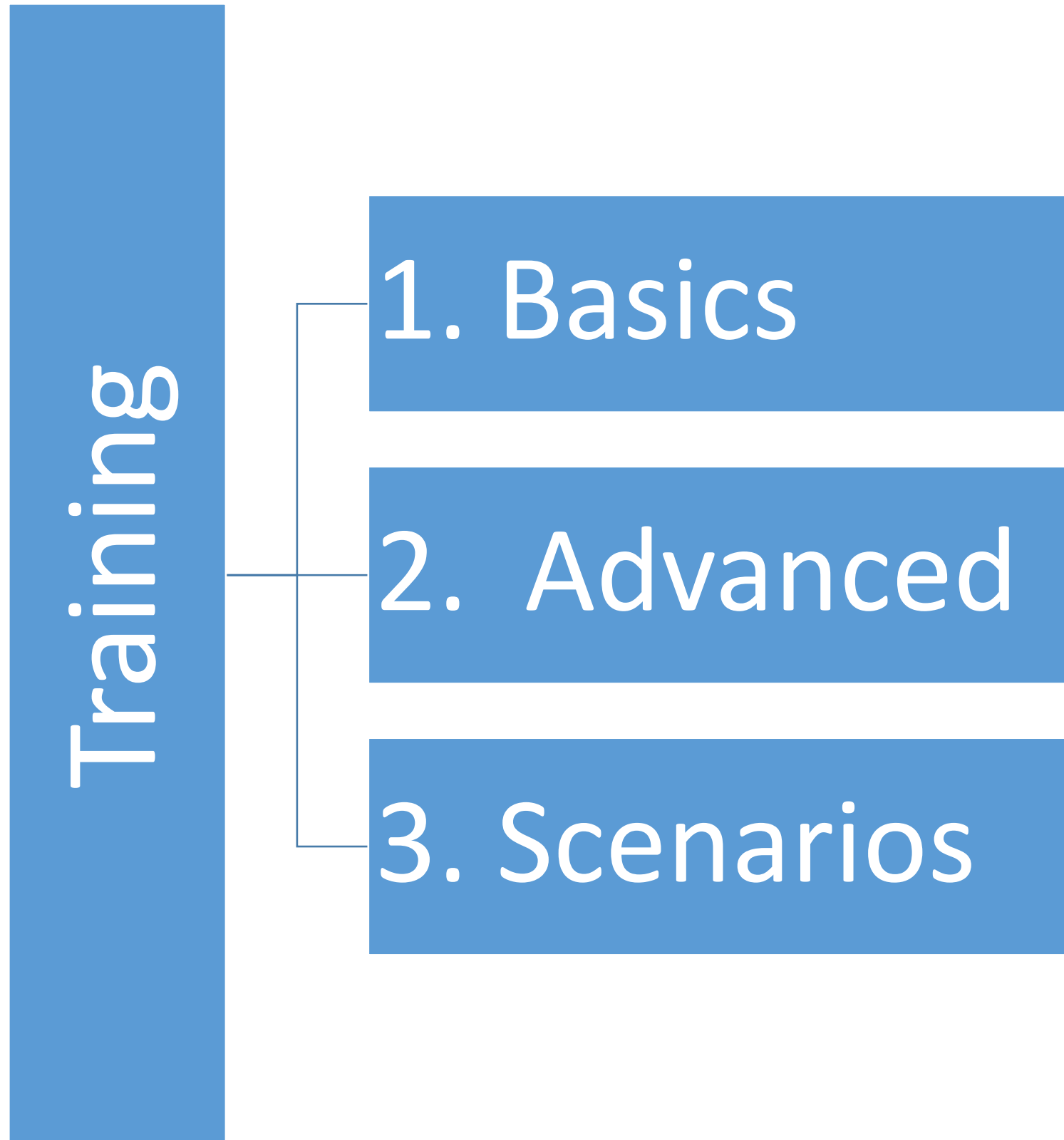
Company Experience

Synergy and their director Adam Berry are a highly experienced within the floodplain management space. Adam has developed many flood models and flood risk management plans and has worked within government authorities and consultancies.

Adam also has actual experience in managing major flood events in Australia including operating flood gauge networks and flood forecasting systems. He has planned training environments and developed standard operating procedures for clients. Be wary of working with consultants who do not have experience working within actual flood events and a good understanding of LDCC, LDMG and SDCC operating aspects. If you need more detail on Adam's experience feel welcome to request this.

By working with Synergy, you can feel assured you are working with the best.





Type 1. Weather and Flooding Basics Operational Training

This half day training course will cover the basic aspects of weather and flooding from a flood operations point of view. The course aims to provide a basic level of understanding of:

- Basic weather patterns, historical context and how this affects different types of flooding
- Flood modelling basics. What is hydrology and hydraulics? What is a flood model
- Basic aspects of flood forecasting systems
- Basic aspects of other systems such as flood gauges
- Structure of LDCC, Flood intelligence teams and standard operating procedures
- We will tailor the course as best possible to suit local conditions and situations

By the end of this course, trainees will have a better understanding of basic flooding technical aspects and how floodplain management professionals provide intelligence during events

Cost

The course runs for approximately 4-5 hours and our very cost effective rates are as follows:

Small Groups (1 – 3)	\$800
Medium Groups (4 – 7)	\$1200
Large groups (7+)	\$1500

Cost includes travel up to 30 minutes from Brisbane CBD. Travel to areas outside of this will require additional costs and can be discussed.

Type 2. Weather and Flooding Advanced Operational Training

This full day training course is treated as either a follow on from type 1 or a substitute. It extends the technical aspect of type 1 and provides detailed aspects of operation. The course aims to provide an advanced understanding of:

- A detailed understanding of weather patterns and meteorology. This will be provided by a qualified meteorologist and tailored to specific locations if required
- A detailed understanding of flood models and other aspects of floodplain management. This section will delve into how the models actually work and produce results
- Flood forecasting systems and how flood models provide results and final flood maps for EM professionals
- A full understanding of Flood gauges and other forecasting products. An overview of software and linkages.
- Detailed analysis of Standard Operating Procedures and relationships to other authorities and groups

By the end of this course, trainees will have a good understanding of weather, floodplain management and modelling technical aspects and the potential ability to work within a flood intelligence team.

Cost

The course runs for approximately 8 hours and our very cost effective rates are as follows:

Small Groups (1 – 3)	\$1300
Medium Groups (4 – 7)	\$1800
Large groups (8+)	\$2200

The cost for this course includes 2 trainers: an experienced meteorologist and floodplain management professional. Cost includes travel up to 30 minutes from Brisbane CBD. Travel to areas outside of this will require additional costs and can be discussed.

