

# INNOVATION HOUSE CASE STUDY TRIPLE-ZERO HOUSE

## WHERE

South Townsville.

## REQUIREMENT

Frank is a consumer that wanted Innovation House assistance to deliver a triple-zero house.



## REQUEST

A house designed sustainably that can generate enough energy to fulfil the needs of the property (triple-zero standard). This will mean no energy bills from the local power company.



## METHOD

High performance building envelope and intelligent appliances matched to the consumer demand. A full electric house that generates its own energy free from the sun. Then add the necessary storage batteries (and electric car), to store excess energy for nighttime needs and when the sun isn't shining.

## PRODUCTS

A full electric house has simplified the solution to just an electric solution which eliminates the needs for secondary power supply. The walls and roof are highly insulated and the highly efficient appliances including the class leading AC. The backup for this includes a battery system and an electric car. With some cutting edge products the house is producing more energy across a year than they actually use being a net zero energy house.

# RESULTS

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### FRANK SAYS:

*I am pleased to report that we can look back at 6 ½ years of very enjoyable living in the triple-zero house!*

*The longer we use it, the more we can see how well its design and constructions suits our lifestyle and needs.*

*Still new visitors comment on its innovative features and we know that many took inspiration from them for their homes or projects.*

*When asked if we would change any elements of its design or any materials, I can only reply "no, not really, everything has proven itself and has a certain timeless design and harmony".*

*The off-grid power system has never missed a beat. Hot water and aircon systems have just the right size and the limited outdoor spaces are very useable and "party friendly", too.*

