

## **Section 5.0) Conclusions:**

### Technical

- ✓ The commercial module is a hydrostatic battery where stored energy pumps air fluid and captures the kinetic energy of air as electrical energy.
- ✓ The demonstration module shows innovation by synergistic coupling of multiple cycles to cross-link many unit operations as possible.
- ✓ The underlying scientific principles are based on the fundamental laws of Newton, thermodynamics, Pascal, Archimedes, Bernoulli, and Boyle verifying its operation as a valid process.
- ✓ Baseload operation is extremely reliable (24/7) and high in capacity.
- ✓ The application and modular design is very versatile and able to be deployed everywhere.

### Environmental

- ✓ Hidro<sup>+</sup> operation has zero waste, zero pollution, and zero emissions having an environmentally friendly lifecycle not using any precious resources.
- ✓ Provides an integral solution to the human demand for a clean world free of fossil fuel and precious resource dependence.
- ✓ Construction has very small carbon footprint without detriment to flora and fauna.

### Social

- ✓ Commercialization of the Hidro<sup>+</sup> technology will provide substantial job opportunities.
- ✓ Developing communities will have opportunity to develop and advance because of energy independence.
- ✓ Hidro<sup>+</sup> can secure energy, water, food stability to avert poverty, famine, terrorism, and war.

### Economic

- ✓ A cost of A\$4M per MW and wholesale <5c per kW.h is highly competitive compared with other renewable energy technologies and expected to decrease with technology roll-out and economy of scale benefits appearing in the future.
- ✓ The modular design allows capacity to be easily increased as demands and funding increases.
- ✓ Operational maintenance costs are minimal due to the simplicity of the system and the fact that no feed stocks and no waste treatments are required
- ✓ Hidro<sup>+</sup> is a modular distributed power system residing at substations not retarded by transmission inefficiencies, complicated and expensive battery storage requirements, and costs that hinder alternative renewable energy development.
- ✓ Extremely attractive investment potential to stimulate and secure economic stability.