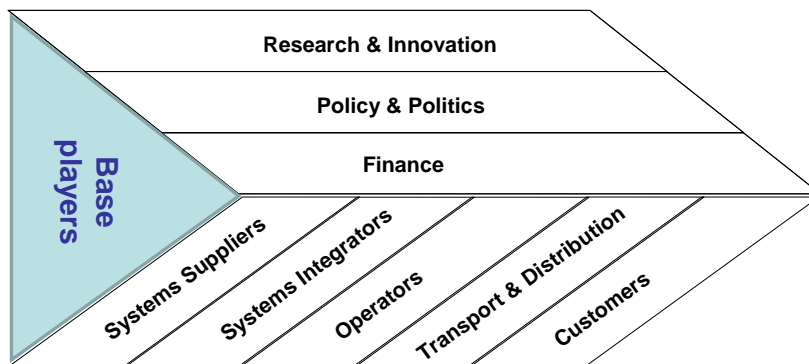


## Case study Impact Event Sinnediken

The Province of Friesland (Frisian: Fryslân) has a policy to promote the use of renewable energy. Reconstruction works are expected on the Afsluitdijk and for this reason The Province has asked EUKER to organise an Impact Event at 10 December 2010 with all stake holders in order to assess whether a PV Solar plant on the Afsluitdijk or other dikes is feasible from a technology, commercial and policy perspective.

As a first step EUKER made an analysis of the players who were key to reaching a result. For this purpose the model below has been developed to determine all types of players.



When developing solar power on a dike first of all a guarantee is needed that all implementations do not harm the base function: making sure that the country will not be flooded. Main authorities in the Netherlands include Rijkswaterstaat. Their positive assessment was mandatory.

To ensure an economic viable model the business case needs to be assessed through total chain from System Supplier to Customer. Important enablers are the finance, research & innovation and policy communities. In the preparation of the Impact Event EUKER had one on one discussion with each of the thirty key players in the total chain. The selection process made clear who was really interested in pursuing the opportunity and open to invest. Also the criteria of the participants were clear.

The Impact Event was a one day event with a pressure cooking function. By the end of the day there was either a common agreed action or a failure. For success all main stake holders were needed. This was far from a no brainer. Renewable Energy is still more expensive than energy based upon conventional resources. Creative economic models were needed and found. An agreement has been reached to develop a pilot in which the technology and economic model can be tested, and to verify the impact on security.