

# Herman Wijffels Innovation Award

Exhibition at Floriade Dialogue Pavilion



Not only does the Floriade Dialogue Pavilion host the Dialogue meetings, workshops and debates, it also houses the exhibition of the Herman Wijffels Innovation Award. The award was instituted in 1999 and was designed to promote sustainable innovation and corporate social responsible entrepreneurship.



## Sensitive ears

'The Agis CowManager SensOor monitors the vital signs of a cow, such as temperature, movement and sound, 24 hours a day, 7 days a week. The SensOor is placed in the cow's left ear. The system can detect diseases such as flatulence: udder, womb and foot infections: blue tongue and salmonella, all at an early stage. The cow then receives immediate treatment before any other animals are infected. This reduces the use of medicines such as antibiotics, so they don't enter the food chain.'

Gerard Griffioen, Agis Automatisering BV  
www.agis.nl  
Winner 1st prize 2008



## A fishtank on board

'For ages we've been looking for methods to reduce by-catch. As a fisherman I used to brood on this continually. For every kilo of eel we catch in the IJsselmeer, an additional 29 kilos of incidental catch end up in the nets. Suddenly I had a revelation: we shouldn't waste our time on reducing by-catch, we should make sure that all fish we bring on board leave the ship again alive and well. That's how we came up with the idea of a survival tank. This is another step towards our dream of a positive and sustainable image for the fishing sector.'

Patrick, Jack and Ger Schilder  
VOF Schilder and Schilder VD-64  
Winner 1st prize 2011

## The Agritron

The Agritron is a super microwave which can decontaminate the soil to make it suitable for agriculture and horticulture. The electromagnetic rays kill pathogens. The device reduces carbon emissions by up to 75% compared to traditional methods of decontamination through steaming of the soil. It is also less physically demanding to operate.

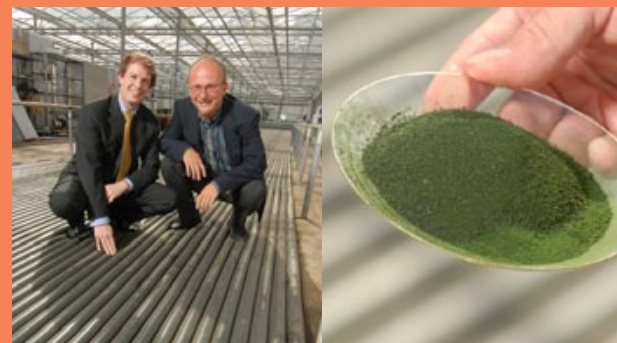
L. van der Hoek and A. Middelburg  
www.koppertmachines.nl  
Winner 1st prize 2006



## Mechanical harvesting of the 'white gold'

'When spring comes, many people really look forward to eating asparagus again. The harvesting of the 'white gold' is traditionally done manually. It is hard labour, because it is done in a bent position. This is where the asparagus-harvesting machine takes over. It is driven across an asparagus furrow, and a sensor at the bottom detects an emerging asparagus tip, ready for harvesting. The asparagus is cut off and deposited in a water-filled container. Asparagus farming is one of the last branches of agriculture still to be automated. This machine makes it possible.'

Comé Ooms  
www.zzcomet.com  
Winner 1st prize 2010



## Little jewels from light

'Gem grows algae in a closed system. Like plants, algae grow because of light, air (CO2), water and fertiliser. The special design makes it possible for this system to utilize sunlight more efficiently and to absorb fertilisers and CO2 better. Algae are the primary producers of omega 3 acids. Cultivated algae can be used as an alternative for omega 3 acids from fish caught in the wild. Besides omega 3 acids algae transform sunlight into other valuable products, like anti-oxidants and pigments, which can serve as a basis for food supplements, healthy nutrients and medicines. The system can be easily installed in, for example, a greenhouse.'

Eugene Roebroek and Sander Hazewinkel  
www.lgem.nl  
Winners 3th prize 2006