

# ISRAEL

## Small Country

# BIG IDEAS

### The disabled may walk again

More than 2 million Americans may be able to walk again despite their lower limb disabilities thanks to a new medical device that uses motors and sensors being developed by Israeli company, ReWalk.

### Bone marrow transplants

Pluristem Life Systems has developed a unique technology platform for the expansion of stem cells, T-cells, and other blood related cells with the potential to save the lives of thousands of Americans who undergo bone marrow transplants every year.

### Computer chip development

04/25 - The electro-optic chips developed during the past year and a half at Intel's Jerusalem facility will replace the standard electronic chips used for communications between computer components, and will allow this communication to be conducted at the speed of light - 10 times the current speed.

### Stronger, higher yielding crops

An innovative Israeli company - Evogene - is introducing genomics technology that even opponents of genetically modified foods can live with: an evolution accelerator technology which develops genes from the same plant.

### Next generation of Mars Rover

03/14 - Even as the Mars Exploration Rover is producing breathtaking results during its current operation on Mars, Israeli researchers are pushing the envelope and planning for the next level of unmanned missions.

### Cleaner water

02/22 - Leading Israeli, American and Canadian experts assembled recently as part of the Nanaotechnology Clean Water Initiative - to work on nanotech-based solutions to the water shortage in the Middle East and the rest of the world.

### A flying car?

Urban Aeronautics of Tel Aviv, Israel is developing the CityHawk vertical takeoff & landing vehicle. The CityHawk will be able to provide personal urban transportation, police patrol, and even be produced in special configurations best suited for ambulance and urban evacuation missions, including the ability to operate close to buildings to rescue trapped people inside high rises.



The CityHawk VTOL vehicle is a flying car