



Israel's Contributions To The Modern World

MEDICINE



In the mere 68 years since the State of Israel has been established as a modern democratic nation, it has made major advances in every conceivable area of operation; in health, education, technology, agriculture and more.

For a tiny land, the size of Wales and around a third the size of Scotland, with few natural resources and a population of just over eight million (75% Jewish; 21% Arab; 4% other), the country has made some remarkable contributions to our 21st- century world.

A BBC web article states, *"Tiny Israel, a country embroiled in conflicts for decades, has managed to transform itself from a stretch of farmland into a high-tech wonder."*

In recent years Israel has become one of the most technologically advanced nations in the world.

The following are some of the achievements of this tiny start-up nation.

Teva Pharmaceuticals, the largest generic drugs company in the world, manufactures medicines used worldwide.

Drugs and treatments for many cancers, AIDS and HIV. Diabetes and Parkinson's are being developed in Israel.

Cardiac stents were pioneered in Israel.

PillCam, a pill sized camera swallowed by patients, enables doctors to see and diagnose disorders of the gastrointestinal tract.

TECHNOLOGY



Israeli Research and Development budget as a percentage of GDP is the world's second highest. It has the highest numbers of scientists and engineers per capita.

Investments. Due to investor's confidence in Israel's capabilities, \$2.8 billion in capital flowed into Israeli high-tech start-ups in the first half of 2016.

USB flash drive, the memory data storage, was developed along with IBM.

Intel developed the first personal computer microprocessor.

Mobile phones were first developed by Motorola in Israel.

Waze, is the world's largest community-based traffic and navigation app.

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Google's Research and Development Centre in Tel Aviv and Haifa develop next-generation technologies.

Solar Power is used by over 90% of Israeli homes to heat their water.

AGRICULTURE



Drip irrigation was revolutionised by the Israeli water engineer, Simcha Blass, into the drip and micro-irrigation solution now being exported elsewhere in the world. Hundreds of farmers in Senegal now reap crops three times a year instead of just once.

Dairy management systems have significantly increased milk production. Afimilk produced electronic milk metering 25 years ago.

Dairy cows are unrivalled worldwide in their annual production of milk.

Potatoes that thrive in hot, dry climates, and irrigated by saltwater have been developed and the technology shared with neighbouring countries.

Cherry tomatoes were first created by professors at Jerusalem's Hebrew University.

OTHER MISCELLANEOUS FACTS

Israel is the only country **to revive an ancient, unspoken tongue**, Hebrew, to be its national language.

Israel is the only country in the world that has **more trees** today than it had 50 years ago.

Israeli bank notes are printed with Braille for the sight-impaired.

Israel has won more Nobel Prizes per head of population than any other nation in the world.

Israel has the world's highest rate of university degrees per capita.

Life expectancy in Israel is among the highest in the world, at 82 years.

IsraAID sends expert medical and emergency aid teams to natural disaster zones across the world, often the first to arrive providing much needed expertise. For example, in recent years aid has been given to Haiti, Philippines, Nepal, and only last winter to flooded areas on Deeside.

Israel is an inclusive democratic society in politics, business, education, health, law and every area of life. There is freedom of worship for all faiths.

In Israel, the church is growing. There are fellowships where Jews and Arabs worship together, a sign of the one new man in Jesus.