# ISRAELI ACHIEVEMENTS

# השגים של מדינת ישראל

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The state of Israel is only 66 and has faced countless obstacles in its short existence. And yet, it has emerged as a light unto the nations. Israel is a proud nation with incredible achievements.

Here are a few of their memorable contributions and achievements:

1. **Intel Israel** changed the face of the computing world with the 8088 processor (the "brain" of the first PC)… yes! The first PC was invented in Israel.
2. The little portable device we call a USB was invented by **SanDisk** in Israel. This is another invention that improved so many lives.
3. **Hazera Genetics**, a project of two professors at the Hebrew University Faculty of Agriculture, yielded the cherry tomato — a tasty salad fixing that is loved around the world.
4. **Given Imaging** invented the PillCam (aka capsule endoscopy), used to visualize and detect disorders of the GI tract.
5. **Netafim** is a worldwide pioneer in smart drip and micro-irrigation, developed a drip that is capable of releasing water in controlled, slow drips to provide precise crop irrigation. This invention changed the world of agriculture.

6. <u>Rewalk</u>- technology with motorized legs that powers knee and hip movement helping the wounded and paraplegics walk again. It controls movement using subtle changes in center of gravity, mimics natural gait and provides functional walking speed. A forward tilt of the upper body is sensed by the system, which triggers the first step. Repeated body shifting generates a sequence of steps, which allows natural and efficient walking.

7. **IRON DOME** – A technology deployed to intercept short-range missiles and mortars, with the goal of protecting civilians in the path of rockets and artillery shells. The Iron Dome's "batteries" — which are made up of radar and three launchers that are each capable of firing off 20 interceptor missiles, stopping artillery that was fired from locations four to 70 kilometres away in all weather conditions. It saved thousands of lives in the last Israeli war.

8. **SOLAR ENERGY USE**- In 2011 Arava Power established the first commercial solar field in Israel in Kibbutz Ketura. Since then six additional solar fields have been established and connected to the national grid. This innovative use of solar energy is now being approach by different countries in the world.

9. **The Babysense breathing monitor** by HiSense alerts parents of respiratory cessation (apnea) in babies. The Israeli breakthrough technology has helped protect more than 600,000 babies from crib death around the world, and has been copied by numerous other manufacturers.

10. A fatal car crash can happen in a split second. That's why Jerusalem-based **Mobileye** technology for identifying and alerting to driving hazards is being built into virtually every new vehicle in the world.