

Shir Esh - Bio

Shir Esh is an environmental engineering researcher who blends technical expertise with a passion for protecting the planet. Her diverse background spans military service, renewable energy, and academia, all fueled by a commitment to sustainability.

Shir Esh's academic background is a strong foundation for her environmental pursuits. She graduated with high honors from Tel Aviv University, earning a B.Sc. in Mechanical Engineering and an M.Sc. in Environmental Engineering. Her master's research, supported by the Ministry of Energy, explored agrivoltaics, a method that combines agriculture with solar power generation. While at Tel Aviv University, she also gained valuable teaching experience as a teaching assistant, optimizing lesson plans and mentoring students.

Shir served in the Israeli Air Force from 2011 to 2017, reaching the rank of captain. As a drone pilot and senior officer in flight school, she accumulated over 1,500 flight hours and led classified project. This experience sharpened her leadership and decision-making abilities.

After her military service, Shir transitioned to the renewable energy sector. Working as a Technical Field Analyst at Fugen (2018-2020), she optimized field operations for solar and wind energy projects across Europe. She also ensured transparent reporting to investors.

Shir's entrepreneurial spirit led her to co-found Airy, a company developing innovative Moss Tile technology for air filtration. She played a key role in product development and represented Airy globally.

Beyond her professional accomplishments, Shir values her family deeply. A mother of three, she finds great joy in spending quality time with her loved ones and exploring the outdoors. Whether it's hiking through scenic trails or simply enjoying nature's beauty, Shir cherishes these moments of connection and relaxation.