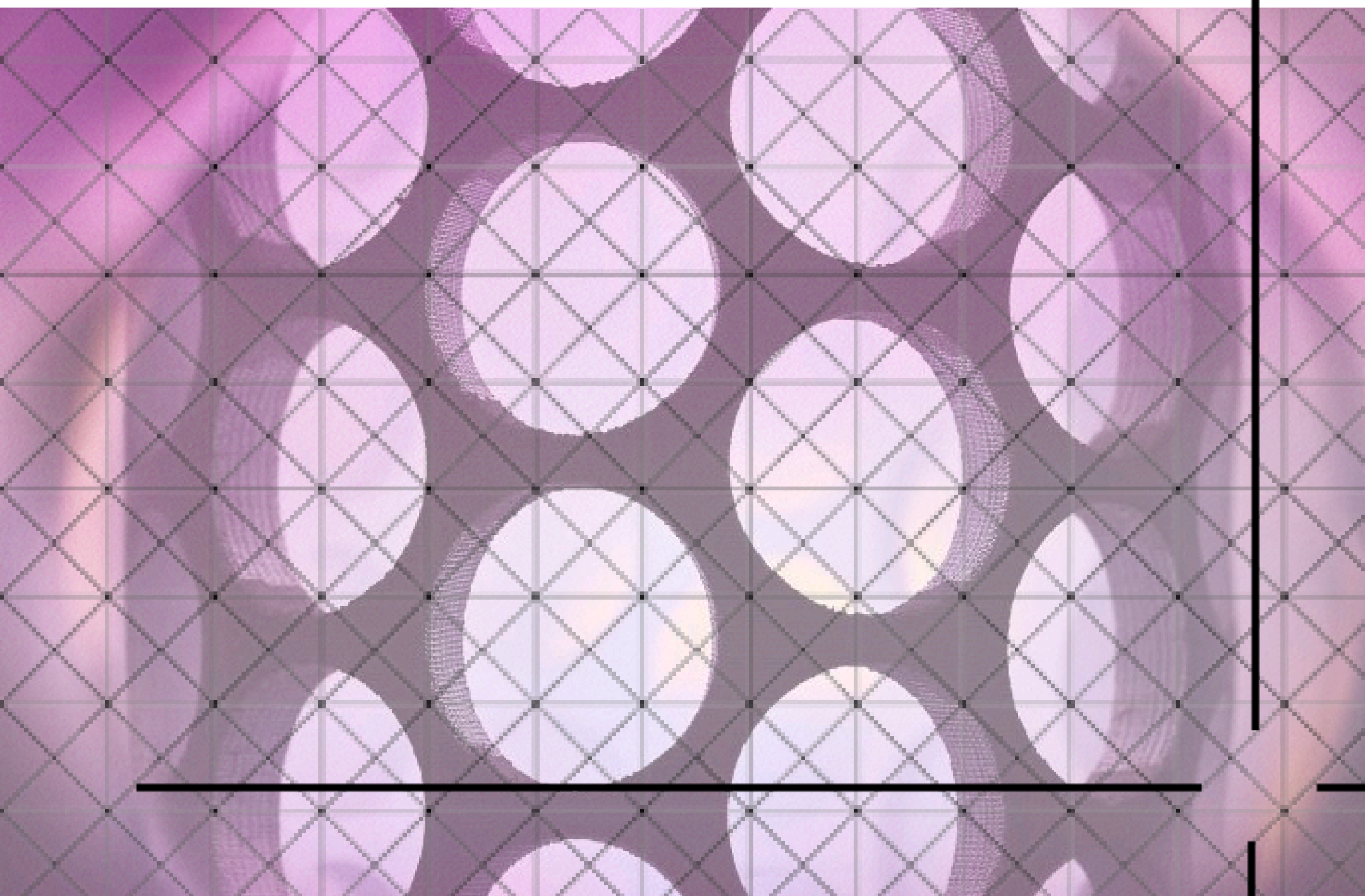


FUSION FOR ... HEALTH & MEDICINE

Fusion isn't just about powering cities of the future — it's also set to transform health and medicine in ways that are already saving lives.

Companies like [TAE Life Sciences](#), [SHINE Technologies](#), and [Astral Systems](#) are taking the tech behind fusion and adapting it for medical breakthroughs. One of the biggest areas of impact? Medical isotopes, like molybdenum-99 and lutetium-177, which are critical for diagnosing and treating cancers. These isotopes are in short supply globally, but fusion technology is stepping in to help fill the gap, with companies like SHINE and Astral finding new ways produce these medically precious isotopes.



After Hours Intel by The Fusion Cluster

FUSION FOR ... HEALTH & MEDICINE

And that's just the beginning. TAE Life Sciences is advancing a treatment for head and neck cancers that are notoriously difficult to treat. Here's the idea: patients are infused with boron-10 which lodges in the cancer cells. The affected area is then hit with a neutron beam and releases the right amount of energy to kill the cancer cells without harming the healthy tissue around it. Unlike earlier methods that relied on nuclear reactors, TAE's compact fusion-inspired technology can be installed directly in hospitals.

Fusion is about more than just energy — it's already helping to reshape the future of medicine.

