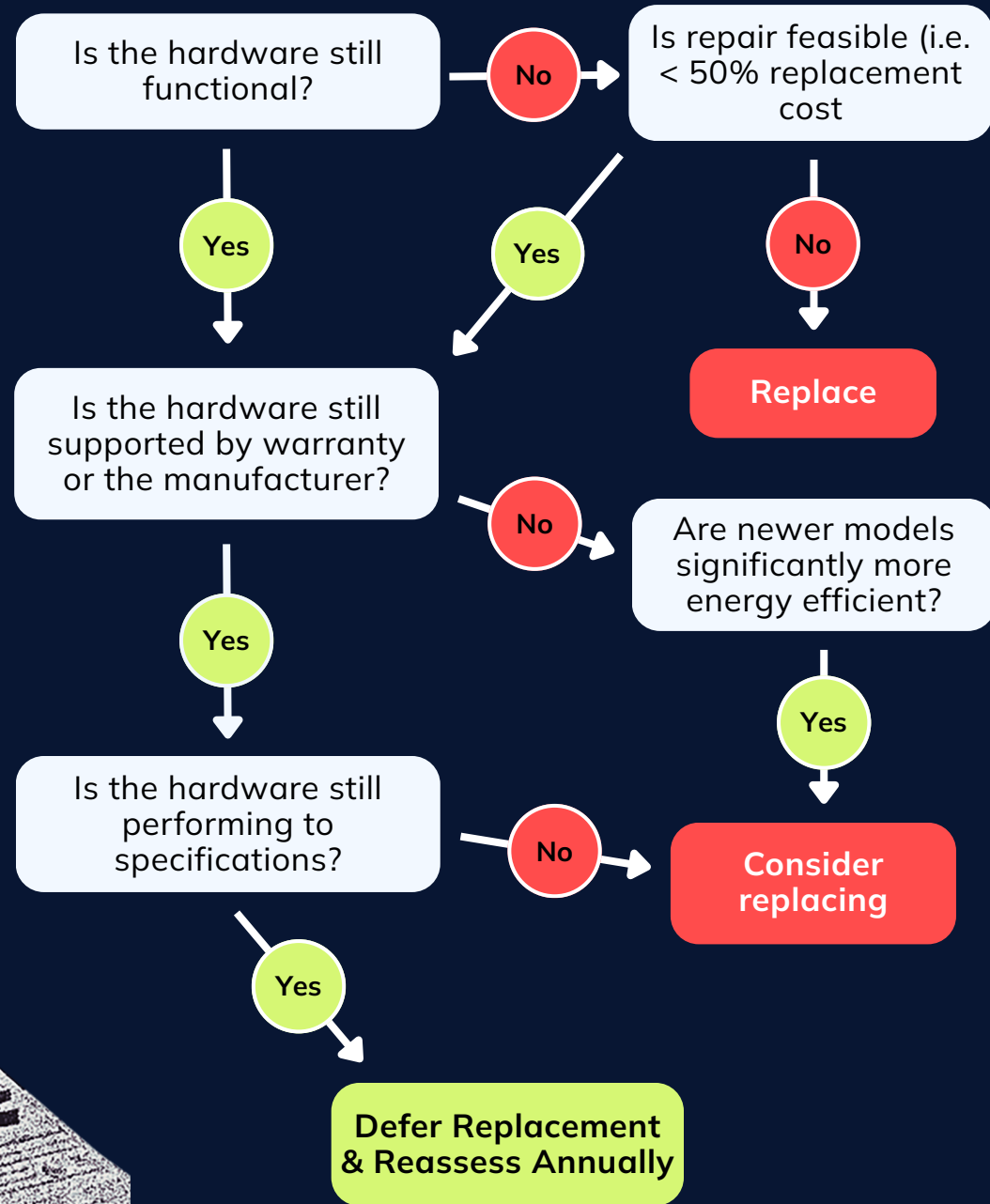
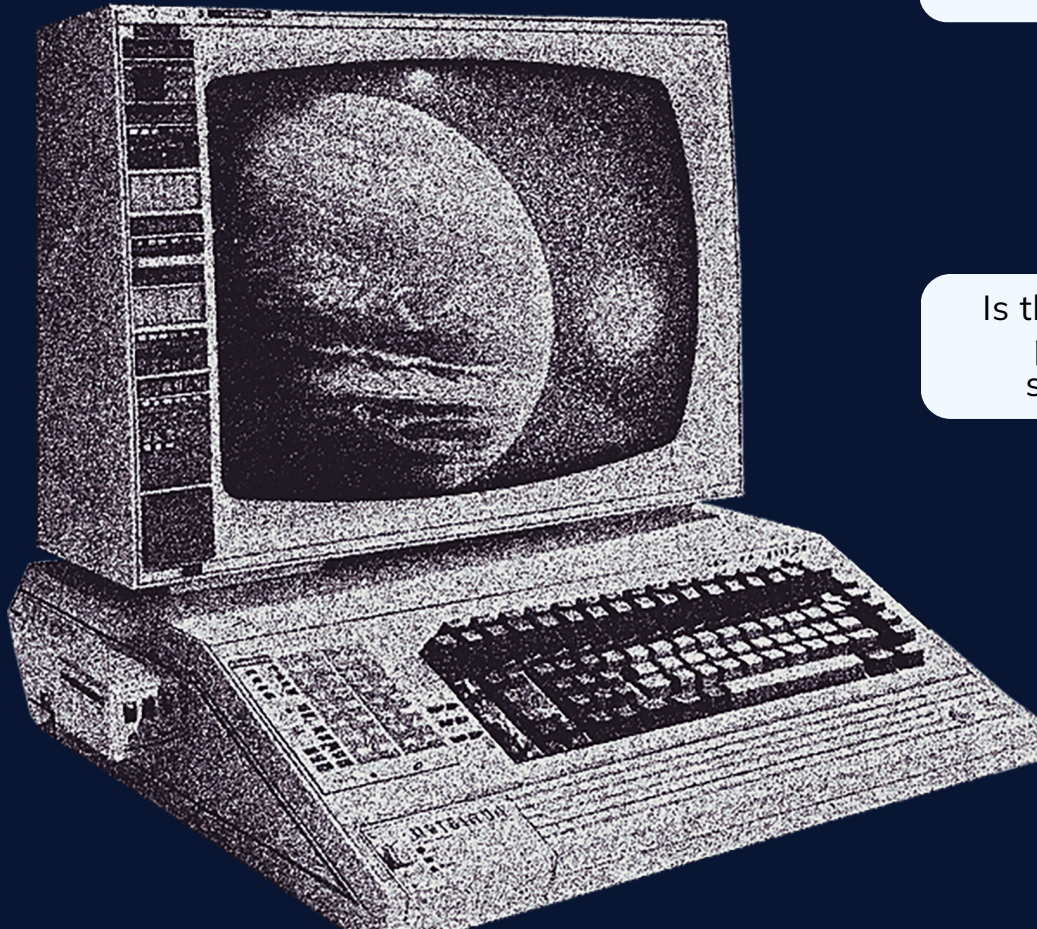


IS IT TIME TO REPLACE OUR HARDWARE?



Every new piece of hardware carries a hidden carbon cost: the emissions that went into making it (embodied emissions) are counted in your studio footprint. By making thoughtful refresh decisions, studios can avoid premature upgrades, lower their footprint, and keep emissions targets on track.

Functionality

“Functional” means the equipment powers on and can still perform its intended role without frequent breakdowns.

Support

Manufacturer support provides protection from defects and access to updates. Unsupported devices may lack security, updates, and parts.

Performance

Compare actual performance (speed, render times, error rates) to baseline expectations. Continue tracking age, repairs, and efficiency.

Energy Efficiency

Look for ENERGY STAR® or equivalent benchmarks. Efficient models may reduce operating costs and Scope 2 emissions.

Repair or Replace?

Rule of thumb: if repairs cost more than half the price of a new unit, replacement is usually more cost-effective.

Deferring Replacement

If hardware is still working, supported, and efficient, replacement can be deferred. Schedule annual reviews to reassess.

Tips for Sustainable Hardware Decisions

- **Reuse & Refurbish:** When possible, extend life through upgrades (RAM, SSDs) or redeployment to less intensive tasks.
- **Responsible Disposal:** Use certified e-waste recyclers and track materials.
- **Lifecycle Tracking:** Maintain an IT asset register with purchase dates, warranty terms, and energy use.
- **Carbon Lens:** Always weigh embodied emissions of new equipment against operational energy savings.

