



IT

ENERGY BREAKTHROUGH?

Check the evidence before believing the headline

CHECK
THE CLAIM

CHECK
THE NUMBERS

CHECK
THE CONTROLS

CHECK
REPLICATION

CHECK
SCALING

CHECK
REAL-WORLD COST

A MEASURABLE VOLTAGE IS NOT THE SAME AS USEFUL POWER

THE CLAIM

- ☐ What exactly has been demonstrated?
- ☐ Was electricity delivered to a working load?
- ☐ Are voltage, current and power all reported?

THE EVIDENCE

- ☐ Is there a peer-reviewed paper?
- ☐ Are methods published in full?
- ☐ Were control experiments used?
- ☐ Are measurement uncertainties reported?

REPLICATION

- ☐ Has an independent team reproduced it?
- ☐ Was the equipment independently built?
- ☐ Were results obtained at multiple locations?
- ☐ Were measurements blinded where possible?

SCALE

- ☐ What is the actual measured output?
- ☐ Has scaling been demonstrated (not predicted)?
- ☐ Has a real load been driven continuously?

ENGINEERING

- ☐ Does it operate continuously and stably?
- ☐ Are required materials practically available?
- ☐ Can it connect to useful equipment?
- ☐ Have failure modes been assessed?

ECONOMICS

- ☐ What does the apparatus cost to build?
- ☐ What is the energy efficiency?
- ☐ What maintenance is required?
- ☐ Is the output worth more than the equipment?

WARNING SIGNS

- ☐ Uses 'free energy' or 'unlimited electricity'?
- ☐ Omits the actual measured output?
- ☐ Compares voltage without explaining power?
- ☐ Claims homes will soon be powered?
- ☐ Ignores scientific criticism?
- ☐ Requests investment without validation?
- ☐ Promises specific deployment dates?

A LABORATORY SIGNAL CAN BE SCIENTIFICALLY IMPORTANT WITHOUT BEING COMMERCIALY USEFUL.



Scan for the full How to Evaluate a Breakthrough Energy Claim guide

