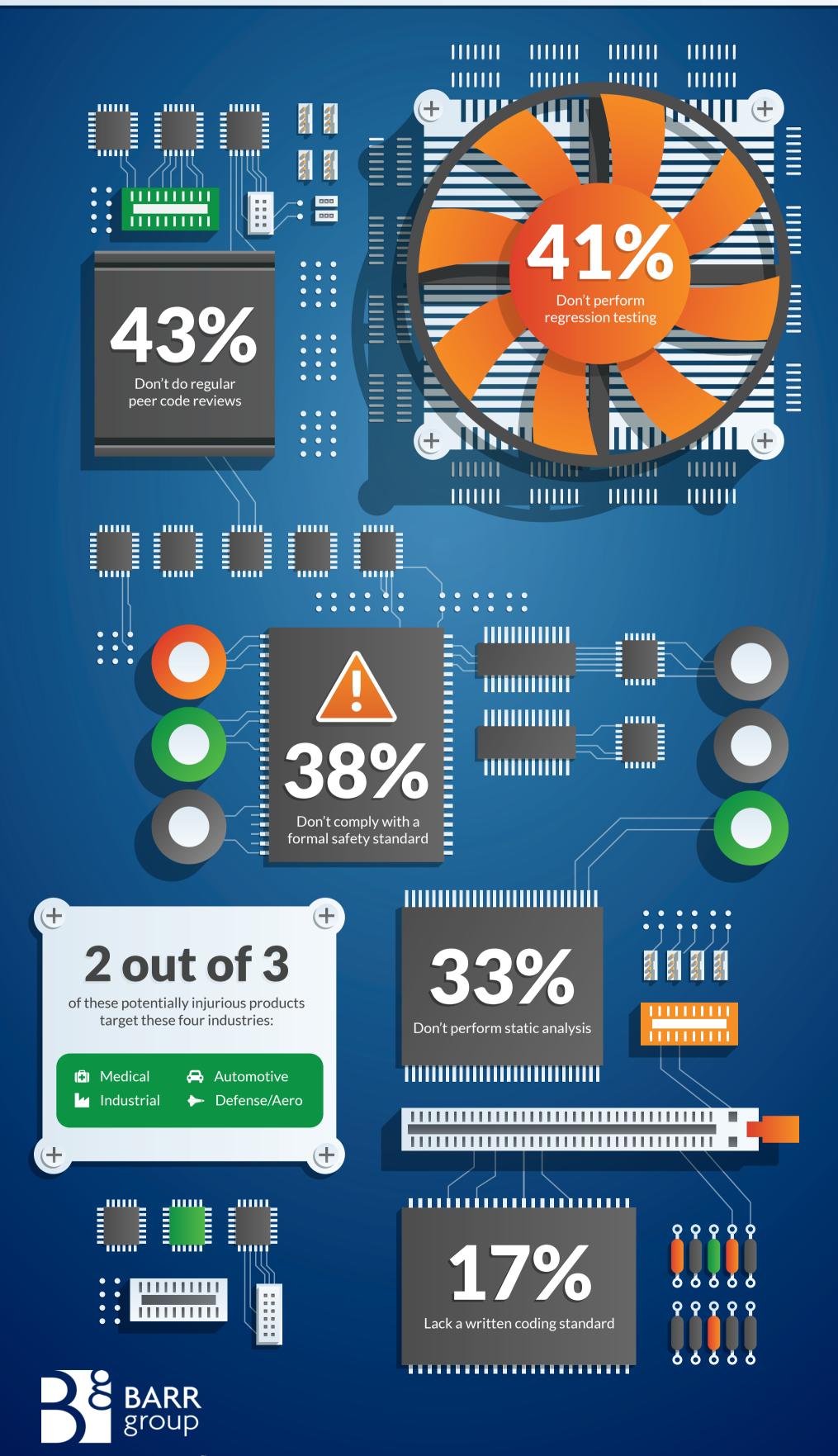# THE STATE OF
EMBEDDED SYSTEMS SAFETY

Nearly 30% of embedded systems designers make products that could kill or injure in the event of a malfunction.
What are these engineers doing to ensure users' safety? Not enough.

BEST PRACTICES FOR SAFER SYSTEMS:

There is no one-size fits all solution to designing safe systems. However, too many designers of safety-critical systems are skipping software development processes known to reduce the number of bugs and unplanned behaviors in embedded systems.

43%
Don't do regular peer code reviews

41%
Don't perform regression testing

38%
Don't comply with a formal safety standard

2 out of 3
of these potentially injurious products target these four industries:

- Medical
- Automotive
- Industrial
- Defense/Aero

33%
Don't perform static analysis

17%
Lack a written coding standard

BARR group
The Embedded Systems Experts ™