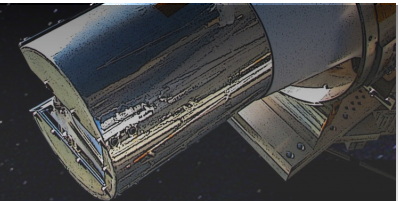




LUCID CIRCUIT

RESILIENT • SUPERIOR • SILICON



RSAP

Did you know that new semiconductors are increasingly vulnerable to cosmic rays from the sun?

RADIATION-EFFECTS BASED FAILURES

Cosmic rays deposit pockets of energy inside electronic chips. This causes failures in critical systems. Currently, protecting against these faults is a specialized and costly endeavor that results in extended development and test schedules, multiple fabrication cycles and inefficient lower-performance products.

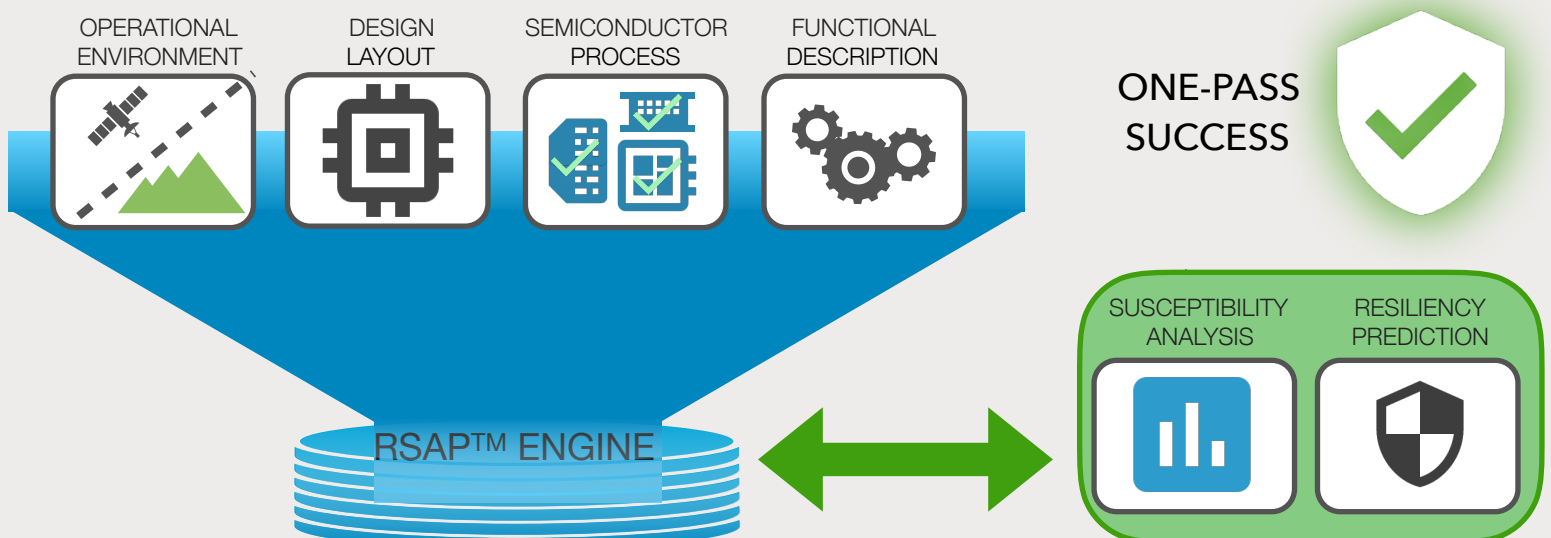
THE LUCID CIRCUIT SOLUTION

Radiation-Effects Susceptibility Analysis & Prediction (RSAP™)

By leveraging predictive modeling, machine learning, and compute accelerators, the RSAP™ platform predicts failure rates and automatically identifies areas of an electronic chip that are vulnerable to cosmic rays prior to fabrication. RSAP™ reduces the cost, complexity, and delays associated with developing resilient microelectronics, ensuring one-pass success for chip designers. RSAP™ will be available through the Lucid Circuit RSAP™ Secure Cloud or for on-site deployment.

THE RSAP™ ENGINE

RSAP™ Engine integrates with VLSI design flows to provide susceptibility analysis and resiliency prediction to ensure one-pass success by leveraging critical design parameters and inputs.



EXPERIMENTAL VALIDATION:

Our susceptibility models are continuously improved through experimental validation and learning processes.

For more information about RSAP™, please email contact@lucidcircuit.com or visit our website at lucidcircuit.com.