

Crane – The Sky-Path Navigator

Crane oversees the Sky-Path Navigator, a tool used to calculate safe wind corridors for long-distance flights.

The device gathers inputs correctly — altitude, wind pressure, glide angle — and internally produces accurate calculations.

But when Crane prints the final value, it always displays a random number.

The core formula works perfectly, yet the navigator never delivers the computed result back to the main control panel.

Something in the system computes the output... but never actually **returns** it.

Your task:

Explain the dangers of missing return paths in complex systems, describe how silent failures occur even when internal steps are correct, and outline how you would restructure such a calculation pipeline to ensure every computed value is reliably passed to its caller.