So, F1, Zero-knowledge cryptography, carbon allotropes, overhead, and you

Here's an idea from out of the blue: What if a prospective new Formula 1 entry opted to implement zero knowledge provenance to eliminate unnecessary overhead? This general concept details a framework where a prospective motorsport constructor lays the groundwork necessary to be able to utilize zero-knowledge cryptographic provenance architectures—specifically compiling regulatory parameters into arithmetic circuits like zk-SNARKs, zk-STARKs, or a combination of both—executing natively on semiconductor computing hardware secure enclaves (such as Intel SGX, AMD SEV, or perhaps potentially even RISC-V based alternatives) to automate regulatory, technical, and financial compliance verification. By transforming compliance parameters directly into mathematical circuits, an entrant can instantly stream succinct, publicly verifiable proofs of rule compliance to a governing body without exposing underlying proprietary engineering (such as advanced carbon allotrope manufacturing techniques) intellectual property or raw business telemetry. This architecture eliminates manual auditing overhead and protects private operational data at the hardware edge. Therefore, saving any teams to adopt this framework quite a lot of money over the long run. As a final disclaimer, exactly none of these technical elements necessarily have to be executed in tandem in order for the framework, or its individual components, to function well enough.