
SEC10 Pitch Draft, Revision 1

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The entry barrier to high precision embedded software development is monstrous. The cost of development hardware and tools is high, and the risk of burning a device in the tool-up process is higher. But what if I told you there was a way to make this process easier, cheaper, and more accessible to developers, students, and hobbyists alike?

High precision embedded applications require specialized hardware that supports high resolution timing and runs a real-time operating system. If you want that packages with high computing performance, you're going to pay a premium. The question therefore becomes: how can we make this technology more accessible to the masses?

Cloud computing services have already revolutionized the way we think about computing and access high performance compute resources, and remain on the rise. Leveraging the power of cloud computing, we can provide a platform allowing developers to develop, test, and deploy high precision embedded applications without ever needing to purchase expensive hardware. This platform would provide users with a development environment that supports high resolution timing, real-time operating systems natively, allowing them to develop and test their applications, and collect data on the performance of their applications on real hardware.

With RTOS compute time widely available, developers can focus on the development of their applications, and not worry about the cost of the development hardware. Similarly to how cloud computing brought about rapid development in the AI and machine learning space, this platform will bring about a phase of rapid development and discovery in real-time embedded applications, driving the development of impactful new technologies.

While acting as a massive boon to developers, this platform will also grant students and hobbyists access to high precision embedded development tools that were previously out of reach, ushering in a new era of innovation in the embedded system space. Demand for high precision embedded systems is on the rise, meaning there is a significant market opportunity for this platform.

Following in the footsteps of other cloud computing services, this platform will be offered on a pay-as-you-go basis, allowing users to pay only for the resources they use. This will make the platform mutually beneficial, empowering developers while turning a significant profit.

The future of embedded systems development is here, and it's in the cloud. With this new cloud-hosted RTOS compute platform, we will revolutionize the way developers, students, and hobbyists think about embedded systems development, and drive the emergence of new technologies that will shape the future of the embedded systems space. With your help, we can make this vision a reality and deliver incredible value to developers and the world at large.