



WISE

WHAT IS **WISE?**

Wise, is an innovative developer of analog-mixed-signal, system-on-a-chip (AMS-SoC) integrated circuits that empower IoT and mobile networks through blockchain technology while introducing a new concept, radio based IoT.



Technology & FEATURES



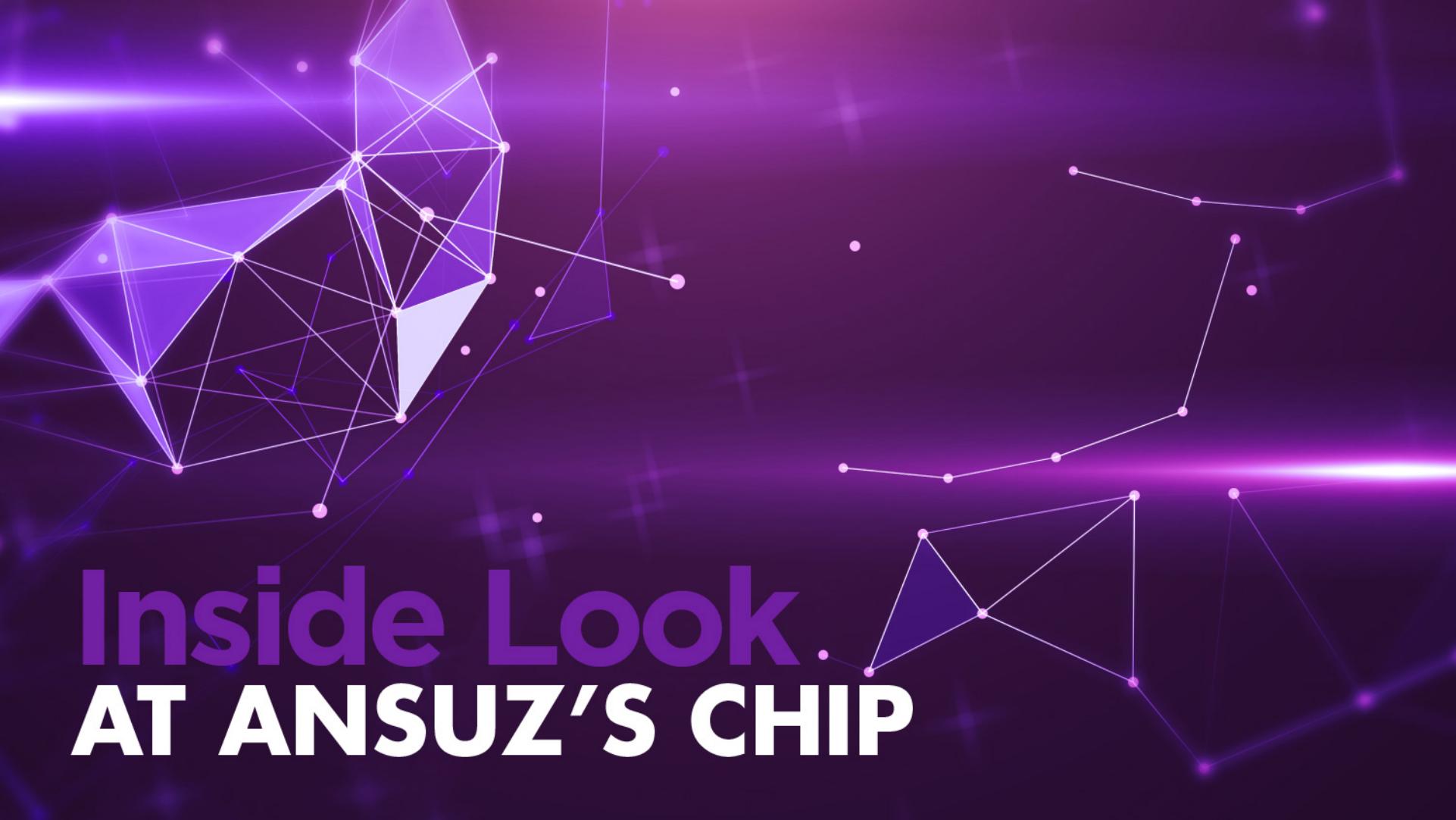


- 1. Advanced circuitry on a very small die.**
- 2. Very low power consumption, minimal heat dissipation.**
- 3. High performance.**
- 4. Real time operation.**
- 5. The highest reliability.**
- 6. Affordable.**



Ansuz IC can use Wi-Fi or Cellular networks to communicate with other Ansuz ICs. In addition, the microchip can communicate via its own radio waves in a wide variety of frequencies and in locations where there are no cellular or Wi-Fi services. This feature opens an entire world of IoT and network possibilities for remote locations.

Inside Look AT ANSUZ'S CHIP





WISE MESH NETWORK

Devices with Ansuz Create a Mesh Network

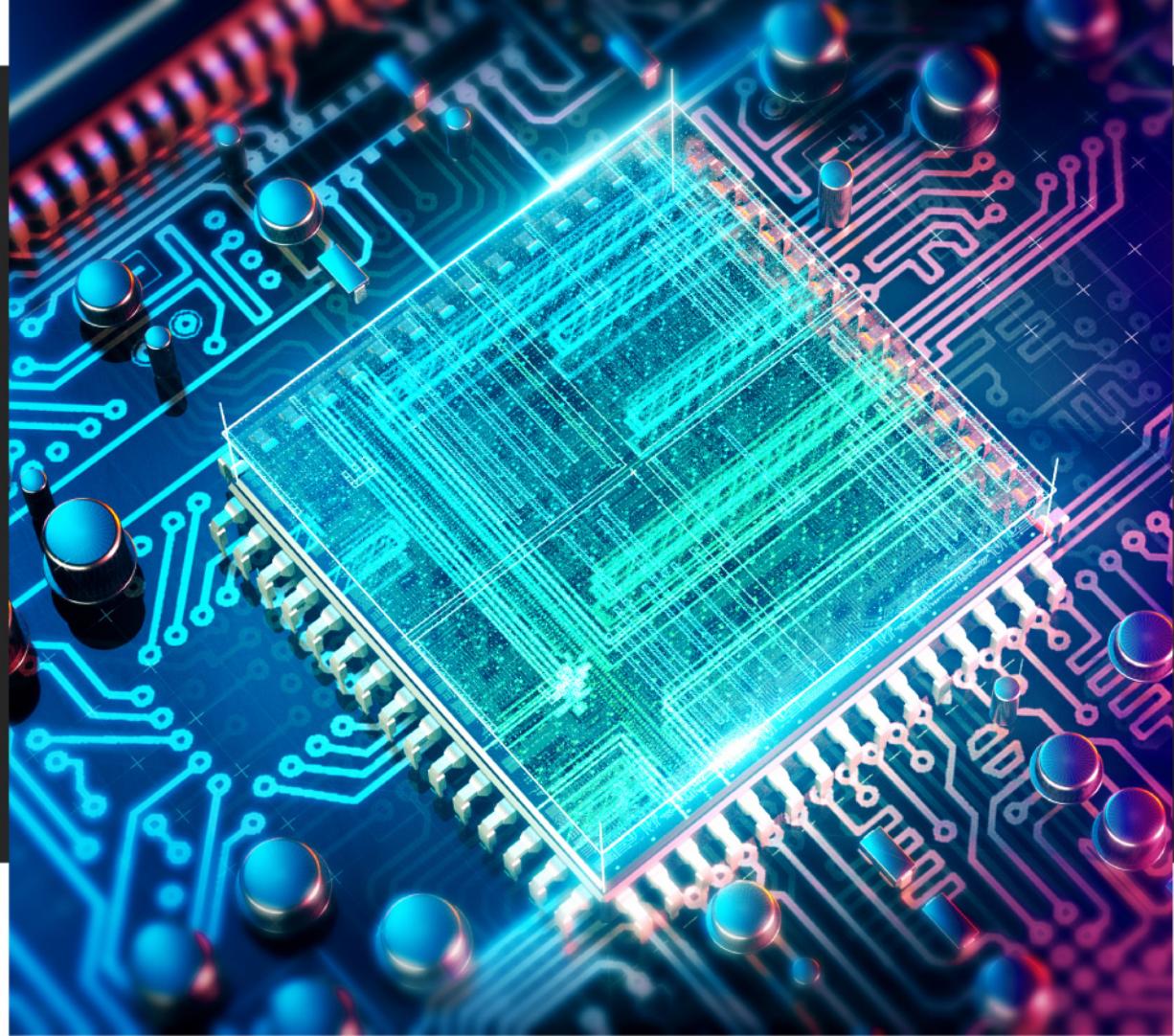


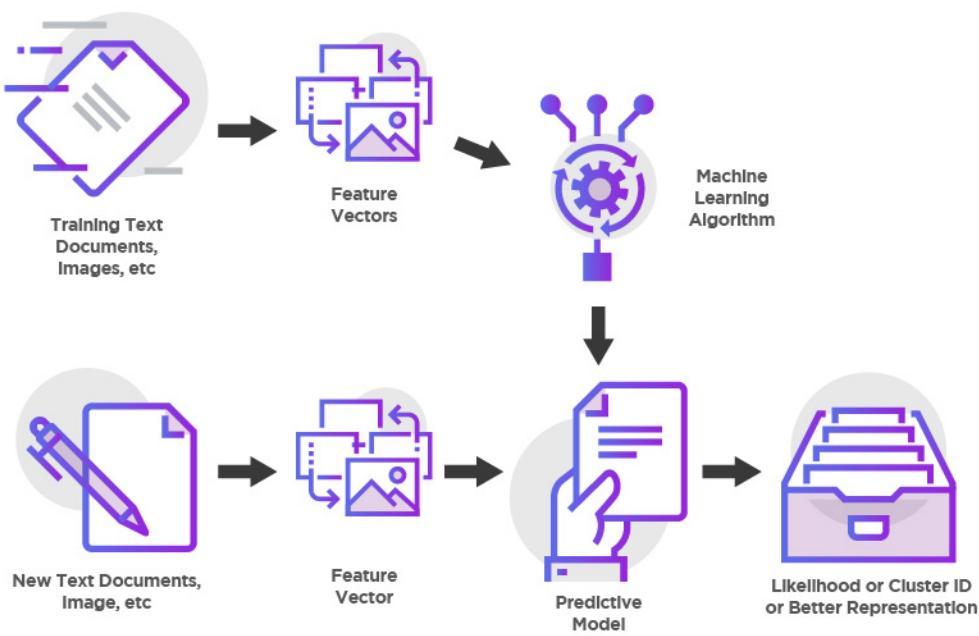
MESH NETWORK

Each Wise (With an Ansuz chip installed) device invests “listening” time in order to participate in the mesh. Unlike a typical mesh where all components are constantly on, the Wise mesh works with the WiseNET™ smart-timing protocol. This protocol, supervised by an AI system is most of the time “sleeping” in order to conserve power. On certain intervals the system wakes up, “listens” and participates in MESH network activities in order to maintain full coverage at all times. Each onboard chip’s AI system manages the time division operation.

MULTI-LAYERED SECURITY:

Each Wise device has a multi-layered security circuitry that is embedded within Ansuz called wEYE. Our multi-layered security system provides: Connectivity protection, Network protection, ECU protection, and Deterministic security.





The AI system supervises security/privacy and enables advanced features like NLP, speech/text recognition via its recurrent neural network (RNN).

MACHINE LEARNING WISDOM Ansuz™

AI is designed to be a machine-learning system – essential to intelligent machines. Sophisticated algorithms are embedded within the Ansuz chip and work together with all other Ansuz chips creating a powerful, self-learning system that understands the device's environment and makes decisions on how to improve performance, coverage and power harvesting.

wNET



Proprietary, private, secured communication protocol, called wNET. Wise devices are designed to work together via a private, secure communication protocol. This ensures confidentiality and privacy and creates enormous computing and database power around the globe.

The microchip includes expert system to learn distributed networks behavior, turning them into artificial neural networks (ANN) to increase privacy and security. Through wNET the system shares intra-units computing power, over-the-net memory and storage sharing, power management and performance boosting.

The Ansuz chip is blockchain native. Each radio transmitted payload is considered a block to be added to a packet, to create a blockchain. Each packet includes information about the source transmitter, destination, date & time, and related history. The data is encrypted using 1024 bit method and in addition a honey encryption layer is added for maximum protection. Data packets are accumulated and are protected against modifications via an onboard AI based, security system.



Ansuz™ units can connect and use WRC tokens to Benefit from a decentralized and global network of applications

Applications





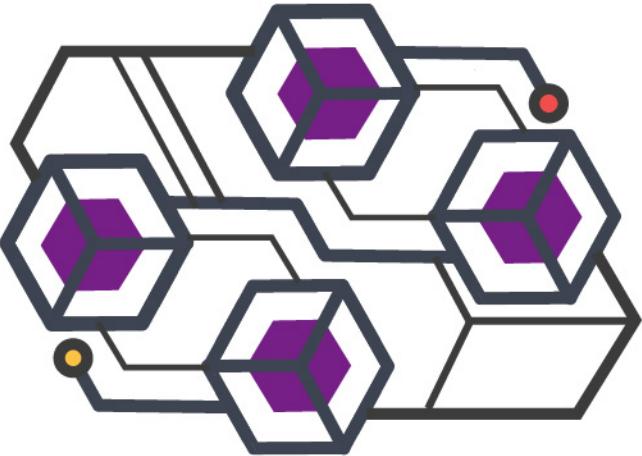
AUTONOMOUS MACHINES

- Each autonomous machine is an IoT/mobile device and requires the highest data management and communication security level.

APPLICATION TEMPLATE

Since the Ansuz™ chip is equipped with mechanisms like hash accelerators, hardware wallets, onboard secured memory and an encryption engine; IoT devices will be able to become secured cryptocurrencies operators, implementing blockchain technology.





IOT/MOBILE PLATFORM

- Ansuz™ chip can be installed within military/security applications, AI platforms, autonomous machines and more as a base blockchain IoT processor.

DB MANAGEMENT SYSTEM

Ansuz™ chip can be embedded within desktop and server's applications, enabling the creation of a new blockchain based database system for a broad spectrum of purposes.



WRC - WISE RADIO TOKEN





WRC is a digital token that is created within the Ansuz radio system. The token is generated with every radio transmission and is native to blockchain technology. The token enables the purchasing of IoT/Mobile related services available on the decentralized app store to access further capabilities. WRC is created using wide range of sweeping radio frequencies that are encoded to achieve advanced security levels. The WRC opens an entire world of possibilities to provide IoT network features similar to mobile app stores, worldwide.

The background of the slide features a complex, abstract network graph. It consists of numerous small, semi-transparent purple dots representing nodes, connected by thin white lines forming a dense web of triangles and quadrilaterals. In the upper left quadrant, there is a larger, semi-transparent white triangle that overlaps some of the purple nodes and lines. The overall effect is one of a digital or scientific visualization of a network structure.

**Ansuz Was Built
in Collaboration
WITH GOPHER PROTOCOL**



WRC of WISE is empowered by GOPH instinctual property including Avant's Artificial Intelligence engine and additional features. **Gopher Protocol is a Publicly Traded Company** and leader IoT developer that specializes in the domains of radio technologies, AI, security and database management.

Gopher Protocol has partnered with WISE to create breakthrough IoT technology that is blockchain native.

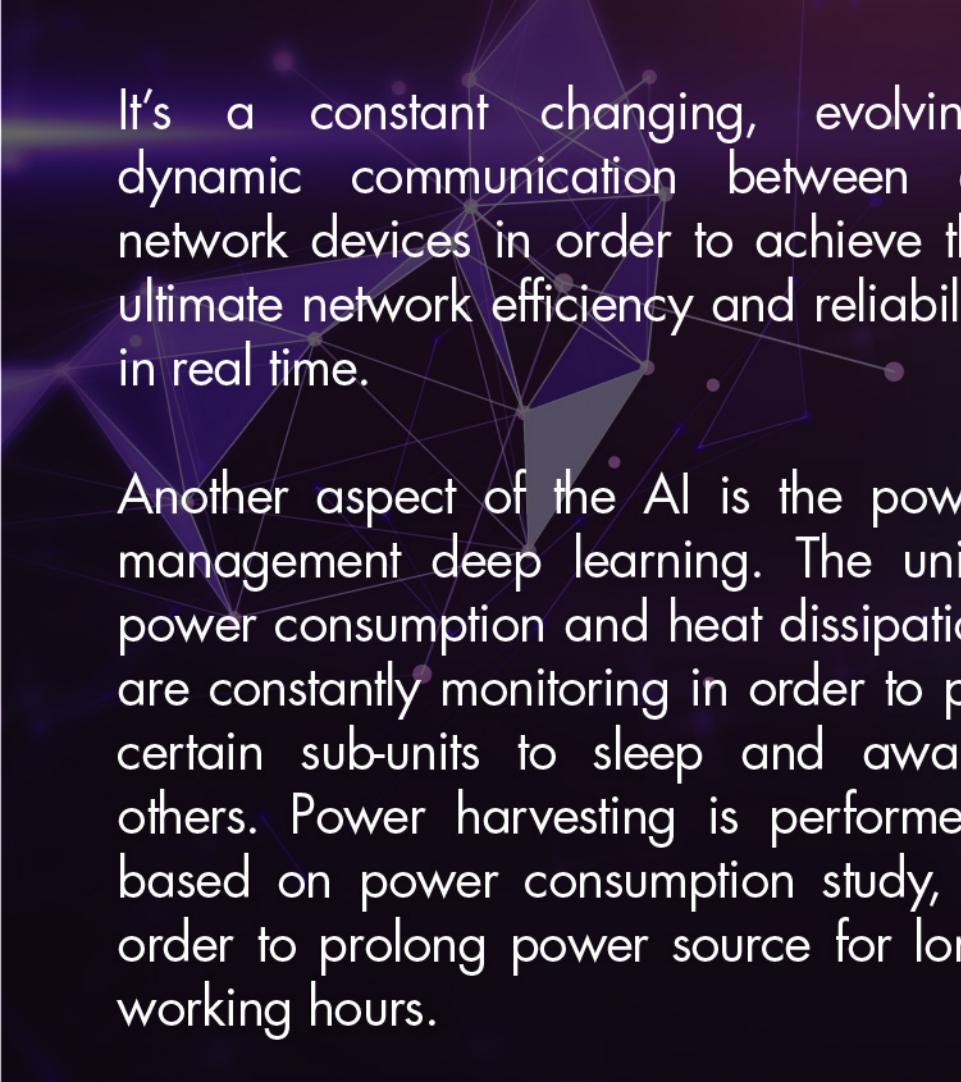
Avant-AI.com, which was recently released in a limited access to the public, is embedded in hardware and software within the Ansuz chip.

AVANT! ENGINE



Avant! engine is the brain that is in charge of the entire Ansuz microcomputer. The AI system enables self-learning and adapting to the device's features and usage using proprietary recurrent neural network (RNN) algorithms.

For example, the system learns about the device's processing speed, storage utilization, network data traffic, statistics, and more. Based on the system's variations, it sets on-the-fly the most efficient database traffic and management, sharing rules within the wNET network.



It's a constant changing, evolving, dynamic communication between all network devices in order to achieve the ultimate network efficiency and reliability in real time.



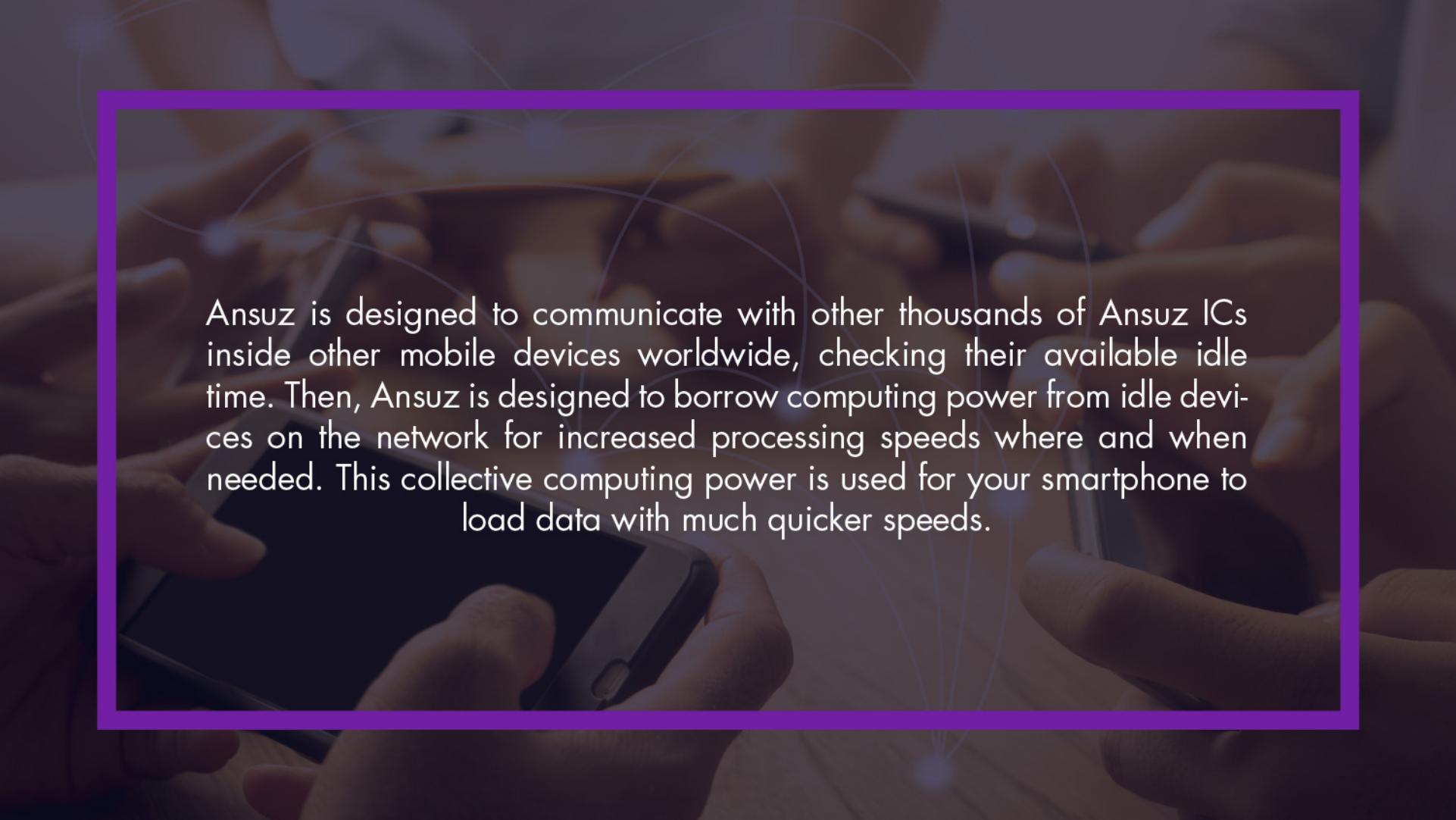
Another aspect of the AI is the power management deep learning. The unit's power consumption and heat dissipation are constantly monitoring in order to put certain sub-units to sleep and awake others. Power harvesting is performed, based on power consumption study, in order to prolong power source for long working hours.

Features



Ansuz collective computing power (Parallel mobile processing)

Imagine that you are loading a very high-resolution image on your smartphone. The microprocessor inside your phone requires additional computing power due to the high load of mathematical calculations required for the image processing.



Ansuz is designed to communicate with other thousands of Ansuz ICs inside other mobile devices worldwide, checking their available idle time. Then, Ansuz is designed to borrow computing power from idle devices on the network for increased processing speeds where and when needed. This collective computing power is used for your smartphone to load data with much quicker speeds.

Ansuz database management over IoT/Mobile or mobile devices

Ansuz splits and shares database objects on your IoT or mobile device. Database objects may be information packets, videos, images, photos, documents, contacts or any other media stored on the device's memory. A database object is spliced to numerous segments each encrypted and indexed. Ansuz IC sends these segments to millions other IoT/mobile devices that are within wNET network, worldwide. Your database objects' segments may be partially stored on a smartphone/IoT device in Australia, Japan and Mozambique; you even don't know about it.





The system includes redundancy storage in case some devices are down. Per retrieval request, Ansuz restores the database object by collecting all segments from all other devices worldwide according to their index. In the event that some devices are turned off or not available, Ansuz IC collects the information from redundancy devices. In addition, Ansuz IC maintains an appropriate level of redundancy backup on other devices worldwide.



The benefits

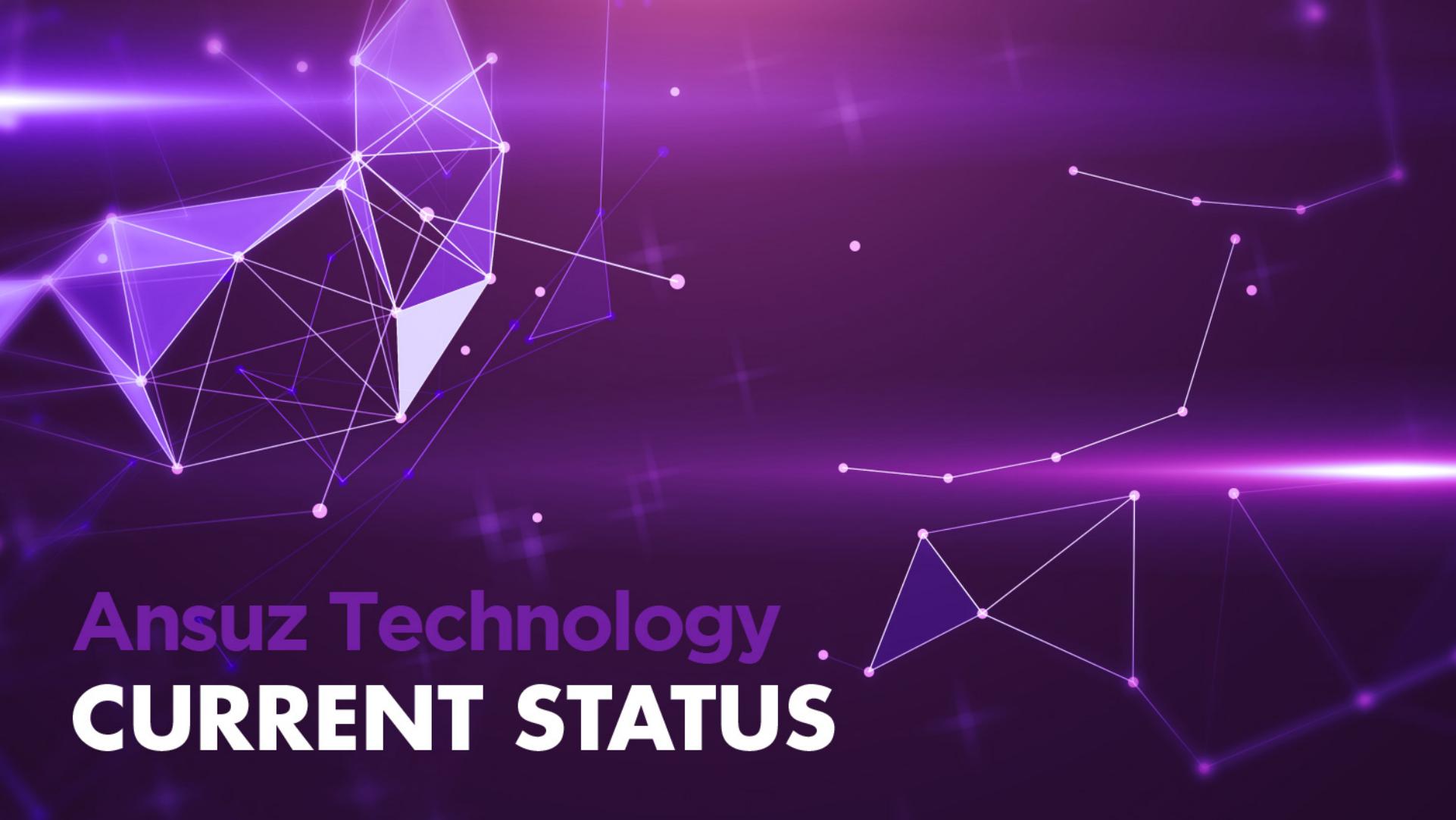
The device's memory and storage are tremendously freed up. More content can be stored and more database related features can be implemented. It saves network bandwidth and data quota. The device's performance is higher and finally, battery life is increased due to less stored data.

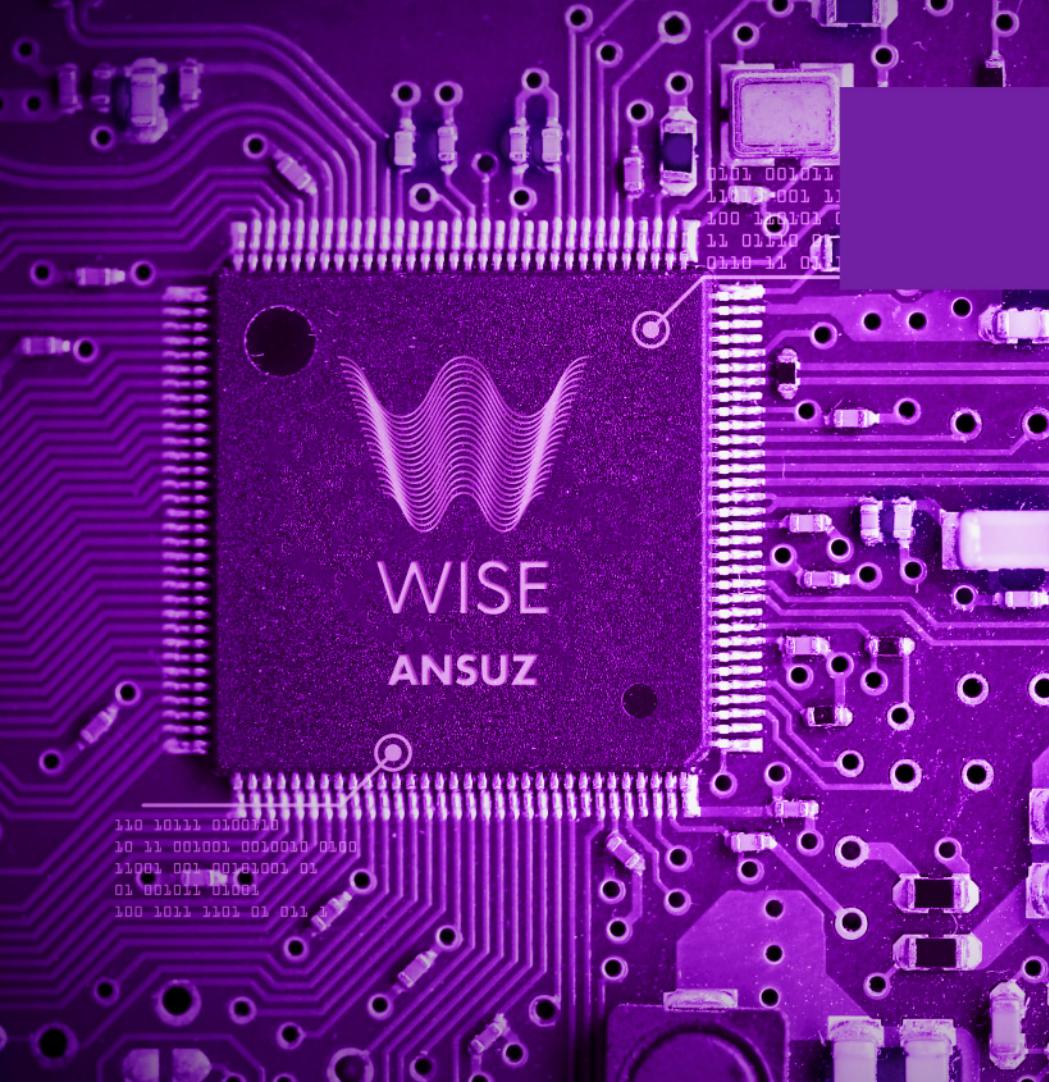
The system enables virtually unlimited storage capacity on IoT/Mobile devices, despite the device's local storage capacity. No more: "No Space on Device" notices, right when you want to take an important picture.

No more malfunctions on IoT devices due to lack of memory. Information data packets, videos, Images and documents can also be stored in larger sizes due to the worldwide database management and sharing system.



Ansuz Technology **CURRENT STATUS**





We successfully completed Ansuz integrated circuit architecture and initial design, including its operating mobile software.

We are at the stage of hiring an engineering team to design the microchip for testing and manufacturing.

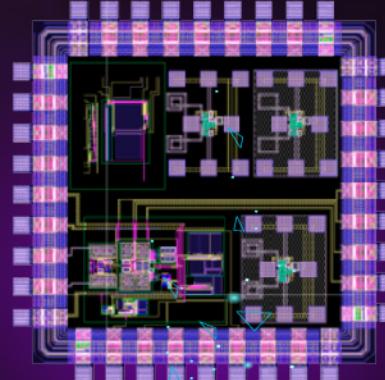
At the same time, we are in the process of hiring an IC Design and application-engineering team to integrate our technology into existing mobile devices.

Ansuz IC BUSINESS MODEL



Ansuz microchip, when fully developed, can be implemented on a SIM/SD Card that opens a whole world of possibilities. It can be also implemented within IoT device's circuitry. Another option is to implement the microchip as an integrated IP (Intellectual Property) unit on an existing IC.

The IP would be implemented as a black box and occupy minimal silicon space. Another option is to implement Ansuz as an independent IC on the mobile motherboard. In the SIM/SD version it can be offered for sale through common retail channels. Virtually, it will be available for purchase in every store, from local supermarkets to department stores. Owners of smart-phone devices can easily install the chip.





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