

"For the first time in history, **we have a chance to steal fire from the Gods.**"
– Adam Jensen, **DeusEX Human Revolution**

Abstract

Sariff Industries is going to establish **a new civilization**, and you are our first citizen, welcome!

- A new civilization? That's a pretty tall order!

We have **so much to tell you**, how we conceived this research, what led to it, and what results we found possible to generate from it, and how we are able to create **new universes** from it.

- New universes? You are not God, what are you talking about?!

Sariff Industries has set its goal to **connect individuals, corporations, institutions** and **governments** by providing them with a **distributed** and hypercomplex **self-sustaining, energy-efficient global infrastructure**, capable of reaching out to the very heart of the individual, opening the world to new markets and allowing deployments of customized solutions en-masse without the need of expertise in the IT industry.

At least that's what we thought until we've actually completed the research of this **six years long ideology**, and, after exhaustive technical, socio-economical and philosophical audits, we found out that our research has succeeded, and we have taken the first step towards wisdom.

With **strong desire to help humankind and existing creatures**, in conjunction with **current technologies**, we've managed to project, design, plan and **execute** a full autonomous socio-economic and legislative-executive **autonomous system** based on **humankind desires and needs**.

In order to **provide based on humankind desires and needs**, we need to address first **Safety and Prosperity**, thanks to **Penetration Testing, Cybersecurity** and **Physical Security**, we can implement **decentralized and distributed autonomous self-protecting mechanisms**, which autonomously provide security and safety within the **autonomous system**, which in turn, **increased the influx** of new participants, participants that were in needs just like you and us. With an increased influx of participants into an **autonomous system**, we are **responding autonomously and instantly to a Supply/Demand request**.

Autonomous response to supply and demand has to be legal, which requires the power of an **autonomous legislative and executive body**, that type of **autonomous mechanism** can become a reality only by addressing the **immutable audit trail** concern, which is why **Smart Contracts** and **distributed event-based ledgers** like **Apache Kafka** provides us with the power of addressing immutable audit trial concerns, thus, providing with autonomous legislative and executive protection for the autonomous activity of the system.

With an **autonomous socio-economic system**, and an **autonomous security mechanism** protecting the autonomous socio-economic system, and, with an **autonomous body in charge of legislative and executive orders**, we have an **autonomous functioning society** that can respond instantly and autonomously to Demand/Supply needs.

By the time we have understood that **we were able to autonomously help** individuals, companies, institutions, organizations and governments **autonomously address Supply/Demand needs**, we were in need of **a way to motivate the socio-economic activity in the system beyond Supply/Demand needs**, an autonomous way, and that's when we have realized, that Demand/Supply **results/output** in conjunction with **data monetization** (any kinds of data, **any**), provides us with the **possibility of implementing legal isolating circuits** of data **generated by passive income** which is generated from supply/demand needs, **creature's needs**.

In other words: By providing consumers and producers with isolated circuits (**markets**) to legally monetize their Demand/Supply output results, the **Autonomous System** generates **new autonomous markets**, by isolating these markets in forms of circuits of passive income, in which data **legally flies from one circuit to another**, reaching individuals, institutions, academics, researchers, governments and so much more, everyone paying for the data everyone generates and distributes, and **helping each other by passive income**, economic automation is **achieved and completed**.

Yes, **finally nobody left behind**, finally, **nobody left behind**.

Monetizing data generates passive income, and, by analyzing passive income, economy and society, we've realized that passive income helps us **legally isolate data** within the system by **circuits**, in each circuit, **new marketplaces are created**, in which Consumers **or** Producers can consume and produce data by **monetizing the data they created** in the first place between each other in their Supply/Demand isolated mutual help circuit, or, by **monetizing the data that one owns** without the need of joining another party to generate new data.

By legally isolating data thanks to **legally binding contracts with their legal clauses**, the circuit of data transmission has the processing power to generate an **instant autonomous socio-economic** activity within the **autonomous system**.

With (**circuits**) marketplaces of instant **autonomous data** being **traded**, we have realized that **instant autonomous socio-economic activity has been completed**, and, with such autonomous socio-economic activity, **autonomous research becomes a reality**, with autonomous research, the creation of **new industries becomes a reality**, with creation of new industries, **creation of new everything becomes a possibility**.

What would the world look like if, **everyone high and low**, would be allowed to participate within such **autonomous world**? It would be a **prosperous society** from all points of views, isn't it?

We found **a way, a legal one, a prosperous one**, and perhaps, a way to **finally implement a change in the world**, with the **help of participants' needs** flowing within the autonomous system, yes, the autonomous system has the power to address both the needs of the real world and the needs of the virtual world.

To understand **Sariff Industries'** approach, the reader has to understand where all of this comes from, and it is one single source: **Diseases**.

Diseases of all kinds have taken over the world at an exaggerated rate, both humans and animals, both mammals and insects are suffering from diseases that require a **considerable amount of time and resources** to identify, diagnose, treat and cure.

Sariff Industries' intentions are to dramatically **reduce the cost of given time and resources**, to **automatize medical research** and achieve **global autonomous research** by gathering the world's academics, universities, researchers, institutions, governments and individual researchers in **one place**, to focus and centralize their research in **multiple data containers** that are **further trained** and **sybiotized** for **probabilities** and perhaps, **better treatments**.

Those **data containers** are **containers generated by the participants** of the autonomous system, given data that resides within these containers is **data that was either inserted in the system by the participants** or it is **data that was generated within the system by making use of the system's solutions**. If it is difficult to imagine data containers, imagine data as **pools, rivers, seas, lakes** and **oceans**, in such locations, our **data is the water**, within the water, **bacteria** is **awaiting to be collected** and **further analyzed**.

With an **autonomous system** that has the processing power of receiving and generating **any kinds of data**, **Data Mining** and **Machine Learning** in conjunction with **Data Monetization**, provides us with **autonomous APIs**, APIs capable of **monetizing themselves** without the need of human interventions, in other words, we are **addressing the power** of creating new industries, new solutions and new problems, **autonomously**.

APIs are **bridges** that **connect** both **real world** and **virtual worlds data/events** with other real world and virtual worlds data/events. Imagine APIs usage as the USB cable between your phone and your personal computer, without APIs or connections, our gadgets and devices would not function, communicate or understand each other.

Data Mining is the process of (legally) **collecting all kinds of data**, data that's either created, generated or inserted within a system.

Machine Learning is the process of **training data**, data that has been collected by use of Data Mining or other processes, given data is trained by making use of **Artificial Neural Networks** and **Algorithms** for further **probabilities** and **sybiosis** of data/probabilities.

With such important and great processing power, the autonomous system has the **need of responsibility**, legal responsibility and **protecting the participants and outsider consumers of the system**, which is why, we have implemented a **multilateral chamber of commerce**, given chamber of commerce has the processing power to **accept and issue certificates of incorporation**.

Certificates of incorporation are certificates issued to corporations and individuals upon successful incorporation of given company or sole proprietorship within the chamber of commerce of the origin country.

The autonomous system has the processing power to **identify, accept and register** given **real life certificates of incorporation** by making use of object, text and signature identification and can also **issue new certificates of incorporation** for virtual sole proprietorship, corporations, institutions and governments.

With a multilateral chamber of commerce, the **possibility of bilateral, unilateral, multilateral and plurilateral economic activities becomes a reality**. Providing protection for such economic activity is crucial and highly needed, which is why we have implemented adaptations of current law directives that are protecting data monetization, global commercial activity and penalization of criminal and penal activity.

Given adaptations are **crucial for the transparent and legal activity of the autonomous system**, we found the need to implement an **Autonomous Penalization Mechanism**, given mechanism supplies the autonomous system with **Transit Guardians**, Transit Guardians are virtual guardians in charge of the **transit of data**, essentially, the **flow of data**, how, when, why, where and who should consume data.

To implement an autonomous penalization mechanism, we have decided to adapt and implement the following law directives that are currently being used worldwide to protect systems and their individual users in their activities:

- **Data Protection**: General Data Protection Law of the European Union (GDPR).
- **Data Monetization**: World Trade Organization, Information Technology Agreement (ITA).
- **Autonomous Penalization**: European Parliament Data Protection Directive (EU) 2016/680
- **Universal Law / Multi-jurisdiction**: International Court of Justice, Chapter II Article 36 and Article 38, Chapter III whole articles

For an autonomous penalization mechanism, **a functioning court system is required** encompassing a **Lower, Middle and Supreme Court circuit system**. The judges that will review both penal and criminal cases in the Lower and Middle courts are going to be the founders of Sariff Industries, along with the Board of Directors and advisors.

In the **Supreme Court**, the judges reviewing penal and criminal cases will be the **participants of the autonomous system**, the participants will decide and enforce what kind of activity is penal and criminal, such power is provided by means of **voting mechanism**, in which, every participant has **a single vote to use**. Upon successful voting, the result of the case is published, allowing for participants to take decisions in a **decentralized** and safe manner.

Now, with a **complete** legal autonomous penalization mechanism, legal autonomous economic activity and legal **autonomous medical research** are a **possibility**, not only a **probability**.

Legal data managing, distributing and monetizing agreements

Sariff Industries intentions are to address all types of producers and consumers, we need a judicial mechanism in place to protect not only the system, but the intentions of the activity generated within the system, to provide the system with a real **immutable audit trail** mechanism. **Web3 Smart Contracts** have the processing power to provide immutable audit **trail** mechanisms, which is why we are going to implement them into the system, and, they also have the power to **sign contracts/agreements**, to execute when conditions are met and much more.

PKI and **elliptic curves** also allow the signing of contracts/agreements, **without the need of a smart contract**, or a public ledger (**blockchain**) for others to see the statement of the agreement, and, with a distributed **event-storage** mechanism like **Apache Kafka**, we leverage the power of the system to create **our own immutable audit trail** public ledger, and, which handshake participants can use to either publish their legal bindings or keep them hidden but still encrypted(three way cascade [**Kuznyechik-Serpent-Camellia**]) and stored in the event ledger, or, not use the ledger at all, and count on each other's trust and their signed handshake agreements.

Autonomous markets are **not autonomous without an agreement mechanism** in place guaranteeing the **generation and signing of agreements** of distributing and monetizing data, services, life events, actions, prosperity.

Thanks to such agreements, the system can **generate pools, rivers, seas, lakes and oceans of petabytes of data**, so much in **inscrutable activity**, that we could train in **secured** research facilities, both protected by cybersecurity and physical security mechanisms, all of this, with your own approval, thanks to Smart Contracts and traditional offline contracts, and thanks to biometric data contracts and even object/text-identification data contracts.

After analyzing our available options, we concluded that **7 Agreements circuits** were found **suitable for the system** for achieving autonomous socio-economic markets **signed and verified** by **both** smart contract and offline non-smart contracts traditional agreements based on **PKI** and based on **elliptic curves secret exchange**, and based on **biometric data**, and other signing data participants may find suitable to use thanks to **object-identification**.

Agreement handshake - Managing, distribution and monetization of data **between System Consumer <> System Producer <> External System Consumer <> External System Producer**

Demand (Consumer) -> ANY current solutions/APIs

Demand result (Producer) -> ANY current solutions/APIs

Handshake result = Demand fulfilled, consumer satisfied, producer producing.

Passive income option: Mutual passive income by monetization of data (solo-consumer or solo-producer monetization of data does not result in autonomous socio-economic markets, results in simple demand from market supply/demand (sell/buy) (buy/sell) = trade result)

CDN = Content Delivery Network, the network in charge of delivering content from the system within the system and outside the system.

The following are marketplaces/circuits we have created for the system:

- o. Mutual isolated sharing
1. Isolated system circuit sharing
2. Direct CDN external sharing
3. Isolated system sharing and external CDN sharing
4. Autonomous market
5. Internal Machine Learning Market
6. External Machine Learning Market

Consumer **data conditions** = I/O conditions [WHEN, HOW, WHY, WHERE] OR none, let APIs run freely without any conditions, rules or restrictions.

Producer **data conditions** = I/O conditions [WHEN, HOW, WHY, WHERE] OR none, let APIs run freely without any conditions, rules or restrictions.

Agreement handshake circuit execution:

consumer <-> (un)conditioned demand <-> Producer <-> (un)conditioned generation <-> contract/non-contract binding <-> consumer <-APIs-> producer <-> demand fulfilled <-> production fulfilled <-> option <-> monetization/non-monetization of data for passive income <-> contract/non-contract binding <-> (un)conditioned **dual passive income (dual help)** generated <-> market sharing circuit <-> contract/non-contract binding <-> 1 or 7 passive income conjunctions

Agreement handshake - Managing, distribution and monetization of data **between System's Consumer, System's Producer's current APIs/solutions** -> distributed rich data -> new market -> System's **Consumers** can consume **instantly**.

Signed, Agreement handshake = **1**

Agreement handshake - Managing, distribution and monetization of data **between System's Consumer, System's Producer's new APIs/solutions** -> distributed rich data -> new market -> System's **Consumers** can consume **instantly**.

Signed, Agreement handshake = **2**

Agreement handshake - Managing, distribution and monetization of data **between System's Consumer, external Producer connecting via Oracle CDN** -> distributed rich data -> new market -> System's **Consumers** can consume **instantly**.

Signed, Agreement handshake = **3**

Agreement handshake - Managing, distribution and monetization of data **between System's Producer and another System's Producer** (APIs/solutions or new API/solutions) -> distributed rich data -> new market -> System's **Consumers** can consume **instantly**.

Signed, Agreement handshake = **4**

Agreement handshake - Managing, distribution and monetization of data **between System's Producer and external Producer connecting via Oracle CDN** -> distributed rich data -> new market -> System's **Consumers** can consume **instantly**.

Signed, Agreement handshake = **5**

Agreement handshake - Managing, distribution and monetization of data **between Oracle Producer and Oracle Producer connecting via Oracle CDN**, making use of the system without joining it, to distribute and monetize their rich data -> distributed rich data -> new market -> current consumers can consume instantly without Oracle Producers joining the system, system can send/receive handshakes via Oracle Data Control Gateway.

Signed, Agreement handshake = **6**

Agreement Handshake - Managing, distribution and monetization of data **between System's Consumer and System's Consumer** -> joined agreement new data market demand(s) -> **(All)** Producer(s) notice(s) -> **(All)** Producer(s) build(s) -> **(All)** Producer(s) provide(s) -> new market(s) -> System's **Consumers** can consume **instantly** (instant auto-market demand, instant auto-market production)

Signed, Agreement handshake = **7**

Agreements are of any kinds, medical, legislative, judicial, not only financial. At Sariff Industries, we believe in a prosperous world that runs on legal agreements, in which everyone is treated equally and has an equal opportunity to either share or either create.

A beautiful system **protected** by **cybersecurity, physical security, contracts and agreements, signing, prosperity and trust**, speaking about trust, we are going to project, plan and send a prototype **signaling network** to Law Enforcement Agencies to join the system so that we can implement **instant signaling** messaging to **Europol and Interpol** networks, in conjunction with the **SWIFT** network for **instant freezing of assets**, for instant protection of the system, and, the consumers, the producers, will all benefit from this protection, with the Law Enforcement Agencies **getting paid** for their job by Sariff Industries system, in which everyone will pay for everyone's needs, and everyone can offer, for free, for everyone's needs, yes, even free things, yes, nobody left behind, **finally nobody left behind**.

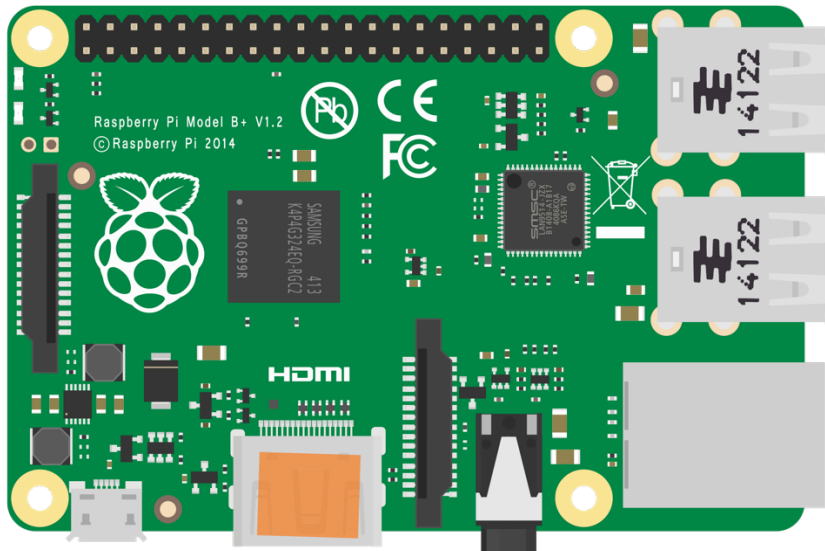
Why would we go that far to invite Law Enforcement Agencies to join the system?

Sariff Industries **intentions are for a prosperous world, the system** we intend to build has the **processing power to address vulnerabilities** present **in both nature and man-made infrastructures**, not only infrastructures, but **we can address diseases** in both nature and creatures, creatures such as humans, animals, insects, mammals, and much more, **pretty much everything that we can identify on the planet**.

The system and our work **must follow international law** and **legally comply with all multi-jurisdictions**, which is why we have given it an importance of inviting Law Enforcement Agencies and implementing our **own adaptations** of ICJ and WTO.

One valid example in which the autonomous system can be used in are **illegal deforestations**, in which illegal atrocities are committed **against the nature**, by making use of the autonomous system, we as participants, have **the power to stop deforestations once and for all**, by making use of the system's **protection mechanism**, which is **a set of cybersecurity and physical security rules and features** that Sariff Industries has implemented, to protect forests from illegal deforestations, we are addressing the **power of vibrations** and similar features. For trees to **respond to such vibrations** and features, **single board computers** are needed, single board computers are connected to the system.

Thanks to technological advances, **computers are now** available in **all kinds and shapes**, and one **particular shape** that is going to help us with protection against deforestations are the Single Board Computers (**SBC**).



(A \$10 **RaspberryPI** Single Board Computer)

Single Board Computers have the processing power to compute and execute tasks that are equal or similar to the ones that are computed and executed on Bare Metal Servers.

Bare Metal Servers are heavy industrial servers located in Datacenters, given servers host web applications, web sites, multi-media and much more. Single Board Computers provides us with the exact same features, but, with a twist:

- Less Computational Power
- Less Energy Consumption
- Less size and less necessary space needed.

By making use of Single Board Computers, Bare Metal Servers, Personal Computers, Laptops, IoT devices and pretty much any kind of device with a network interface, Sariff Industries has **successfully included everyone** and **has left no one behind**.

Solution architecture, features and capabilities

Breaking down the system's **architecture** is crucial to understand **the solution** Sariff Industries intends to provide.

During **the early years of the system**, the system **will be governed by Sariff Industries' founding members, board of directors and advisors**, guaranteeing a **safe and prosperous functionality**.

By the time when **nanotechnology** and **biotechnology** integration with current systems would be a **complete possibility**, the **system will be capable to sustain itself all alone**, an AI (**Artificial Intelligence**) will **replace Sariff Industries** as the **governing body of the system**, eliminating centralization, monopolization and potential future accusations of centralization/monopoly that of our conglomerate "may have imposed" upon the system.

When that time comes, Sariff Industries' will **release the governing power to the AI**, giving the AI **power to address the flaws in human nature**. The AI will **release it back to the participants**, establishing a **real and pure democracy**, listening to their needs, and acting based on their needs, instantly and in a fair manner.

Sariff Industries intends to **build the system to sustain itself** so that **generations to come could use it and benefit from the same advantages current generations are going to benefit from**, that would become a reality thanks to the advances of AI and automated systems.

We will start breaking down the system's architecture by explaining the first segment located in our diagram, which is the **authentication API**. The authentication API has the **processing power to identify, register and authenticate all kinds of creatures** we could identify by means of **Biometric** authentication, **Certificates** authentication, **private keys** authentication, **steganography** authentication and so much more.

The same authentication mechanism is in charge of **providing the system with protection** against **hackers, cybercriminals** and bad actors that may pose a risk to the system. Such protection is made of **honeypot mechanisms** (traps), **IDS** (Intrusion Detection Systems) and other rich features such as **Plausible Deniability**. Sariff Industries has implemented given mechanism to protect both the participants of the system and the system itself from **any kind of dangers**.

Upon **successful** identification and authentication of a creature (participant), given participant is granted access to the system, inside, the participant has the power to **provide the system with data or to generate data within the system**, we will explain what we mean by data and what kind of data is valuable in our global research.

Providing the system with data is crucial for achieving a global autonomous socio-economic activity, and, for achieving global autonomous medical research.

How are participants of the system going to connect to the system and supply the system with data? By making use of Single Board Computers, Personal Computers, Bare Metal Servers, Laptops, IoT devices and all kinds of gadgets participants own.

Given data can be either data that it is currently available at your disposal or data that you can generate by yourself by using the system.

Some examples of **physical data** that you have at your disposal and you could send to the system and monetize by yourself or with the help of another participant:

- Medical Records (Diagnoses and Treatments)
- Utility Bills (Electricity, Water or Gas)
- Financial Records (Payments)

Participant(s): How am I supposed to send you this data? Fax? Mail it over to you?

Sariff Industries: You can **take a picture** or **scan it**, our object identification algorithms in conjunction with text identification algorithms will process the result accordingly.

Personal records from given data can be erased before sending them to the system, **the system is not looking for your personal information** (name, age, location, etc), the system is looking for data that can be used to further monetize or symbiotize in our **internal machine learning market** or by the **external machine learning market**.

Some examples of **virtual data** you have at your disposal and you could send to the system and monetize by yourself:

- Database records
- Multimedia
- Email/chat conversations
- Any kinds of logs

Participant(s): How am I supposed to send you this data? Email? Upload it somewhere?

Sariff Industries: You will connect and send data to the system by using your personal computer, laptop, single board computer, bare metal server, IoT device or any other kind of devices that we intend to offer connection support for.

Apart from supplying the system with data, participants could order data and services from the system by making use of the Deploy Widget.

Services within the system are either free or paid, given that we plan to connect governments and institutions, most of their free services will be deployable from the system.

Participant(s): But Sariff, what are you going to do with my data? This is personal data.

Sariff Industries: Indeed, and it is your right to hide/remove all kinds of personal data from your data before sending it to the system, remember:

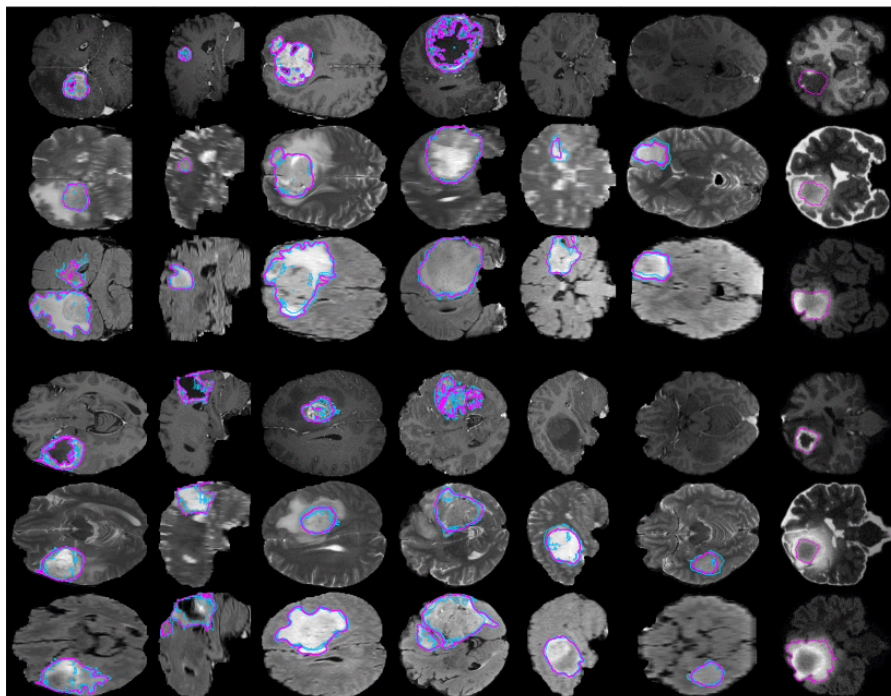
The system **is not looking for your personal data**, you can have these records **removed** from the data you want to send into the system, the moment your data arrives, it can **be monetized** depending on the **type of data**. Our main focus is **medical research** and data symbiosis, in order to provide such research, data **does not need to contain personal information**, you can remove all your names and other private information before sending the data to the system.

Participant(s): Why do you focus on medical research instead of focusing on IT? Your project is a system, what are you doing in the medical field?

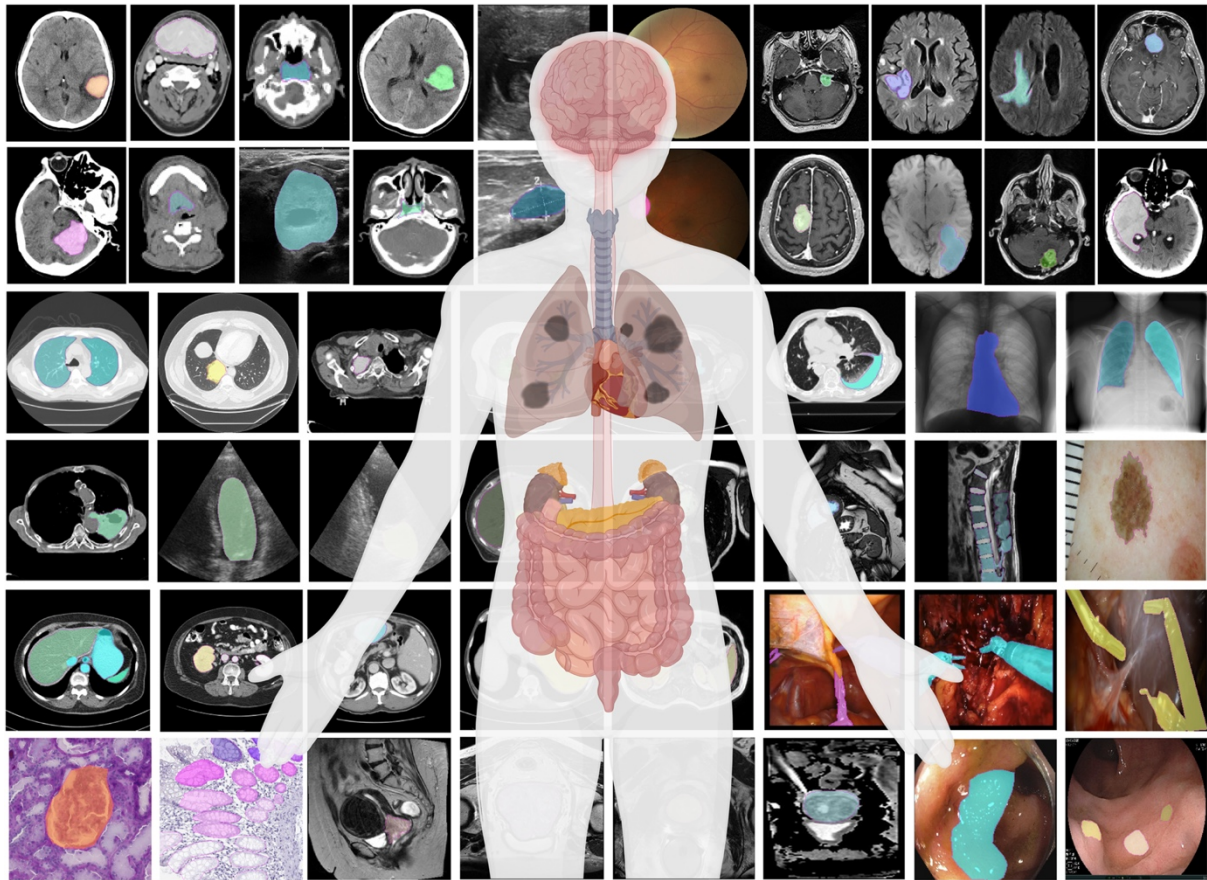
Sariff Industries: Machine Learning is now the main factor driving the medical industry. Thanks to Machine Learning, patterns of tumors and other diseases can be found with a higher accuracy compared to non-Machine Learning systems.

Below, we provide you with an image from a BRATS (Brain Tumor Segmentation) machine learning system that has successfully identified multiple patterns of tumors.

Credit: <https://ieeexplore.ieee.org/document/6975210>



Machine learning, body segmentation & augmentation, biomedical engineering



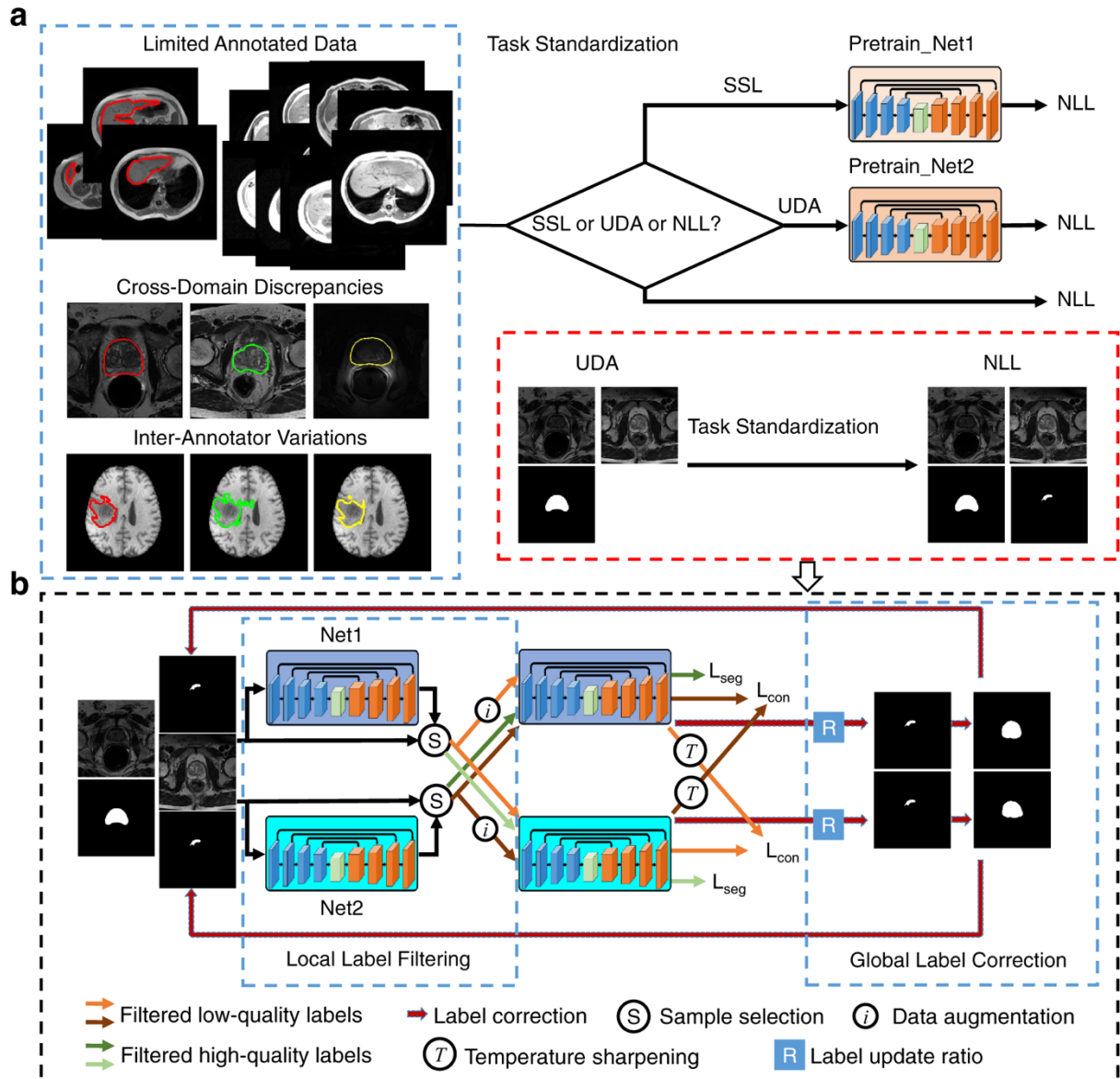
(Credit: <https://www.nature.com/articles/s41467-024-44824-z>)

Research with **Machine learning** within the medical field has advanced so much that we are able to segment the entire body, not only segment it, but augment it. **Body augmentation** is the process of **enhancing, improving or fixing** certain body parts/aspects/conditions that require **mechanical assistance**.

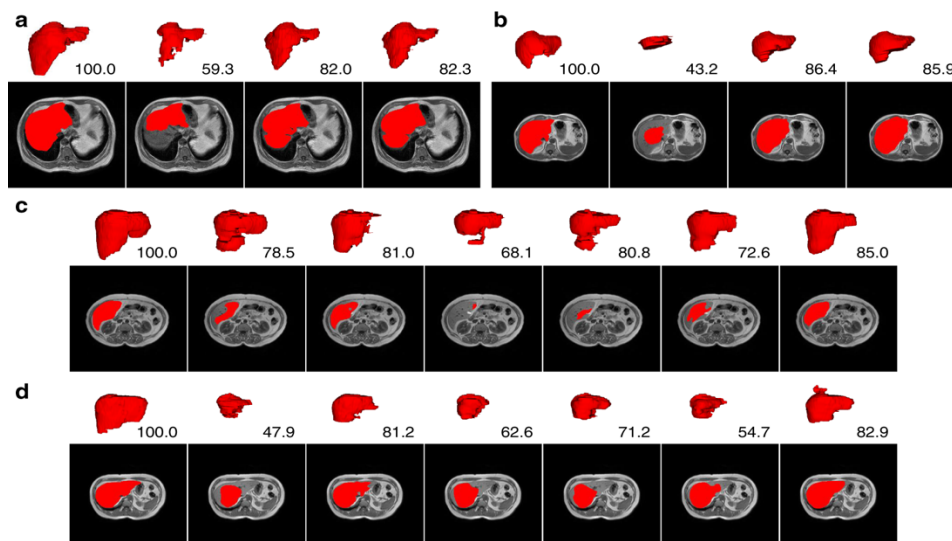
Such aspects/conditions can be found in **creatures that are currently suffering** from **malformations, system disabilities** such as mobility, vision impairment and **much more**.

Body augmentation technology aims at **alleviating medical issues** that can be found **not only in humans** but **animals, mammals, insects** and pretty much every type of creature we have studied for the past two hundred years.

Sariff Industries intentions are to **focus and centralize** all this research and **provide the creators of given research** with **necessary tools** to **further symbiotize all this data**, to provide the world with **a global distributed research facility** that's capable of **calculating probabilities** and solutions in a better orchestrated manner and a faster data processing flux in which everyone participates, shares and **monetizes data**.

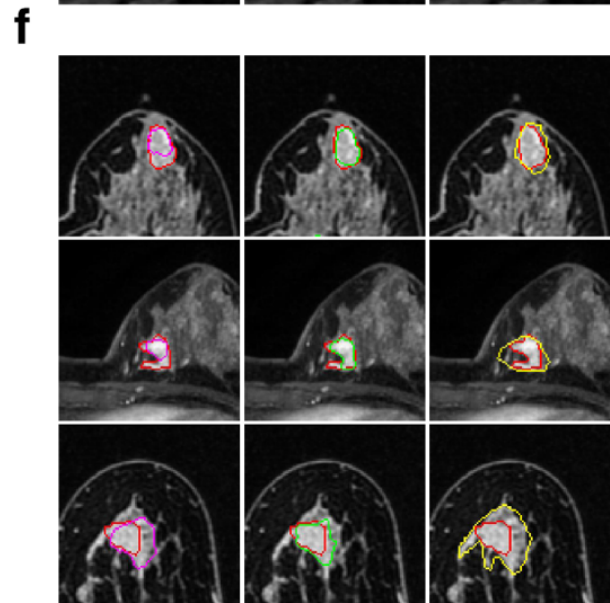
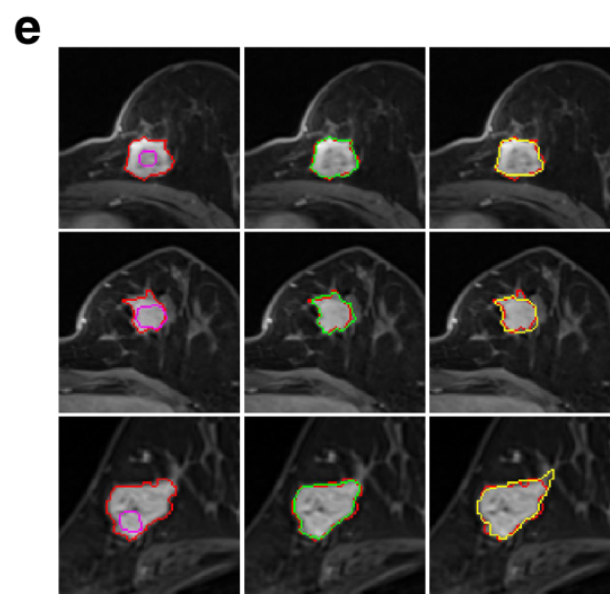
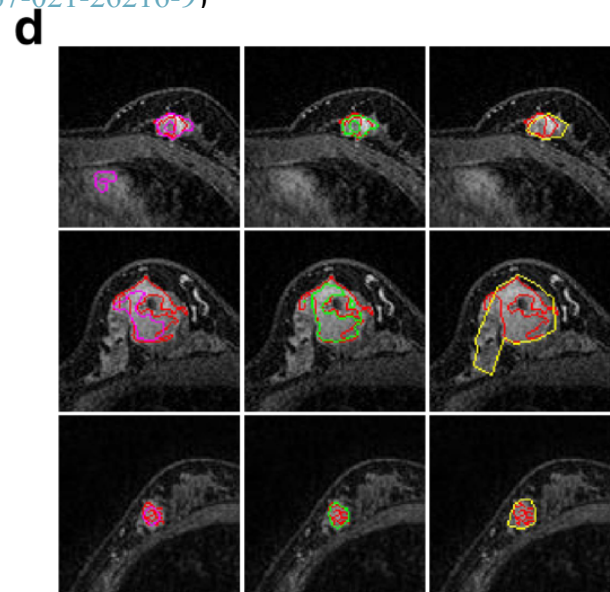
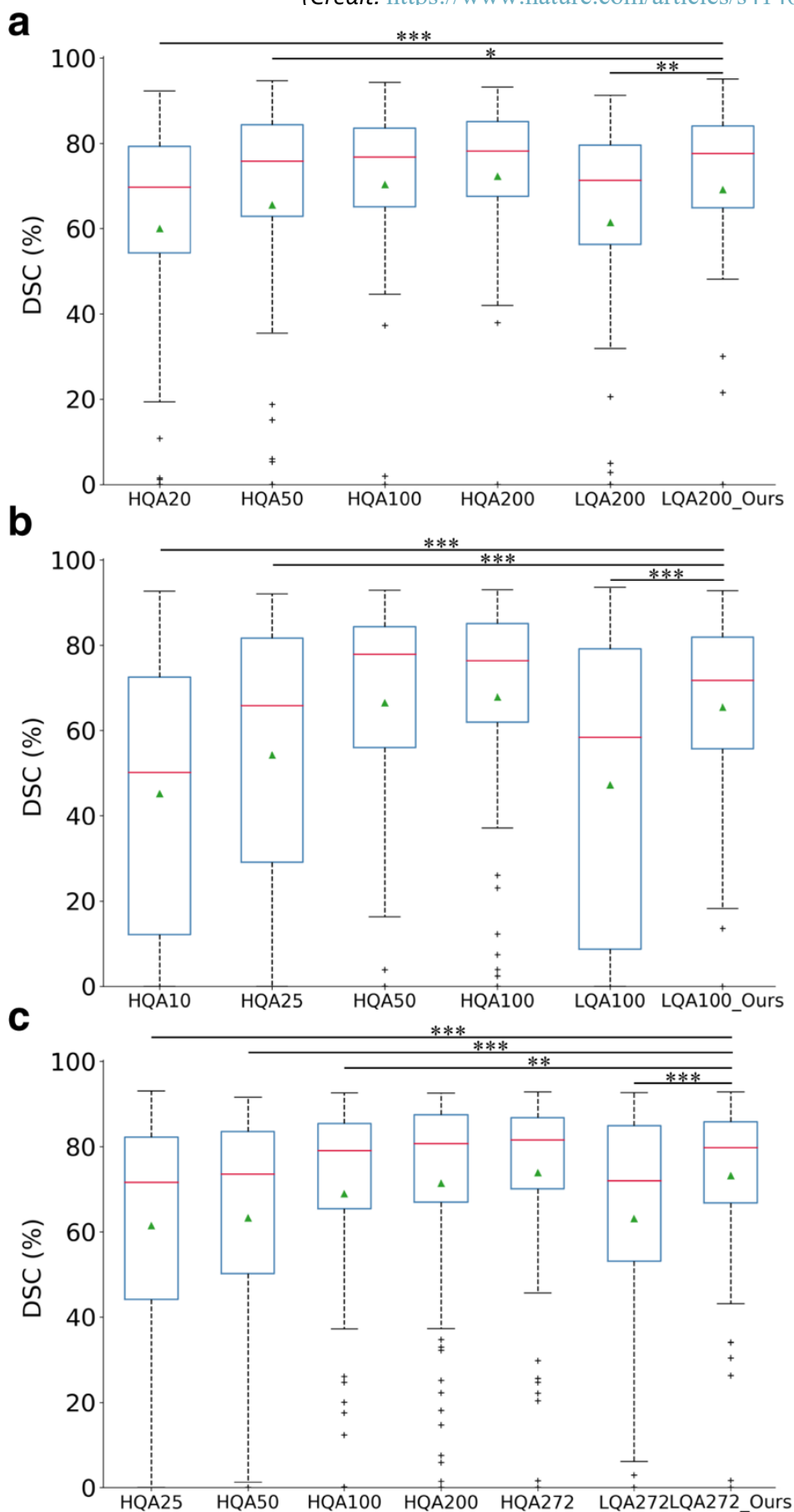


(Both images credit: <https://www.nature.com/articles/s41467-021-26216-9>)



Breast tumor segmentation

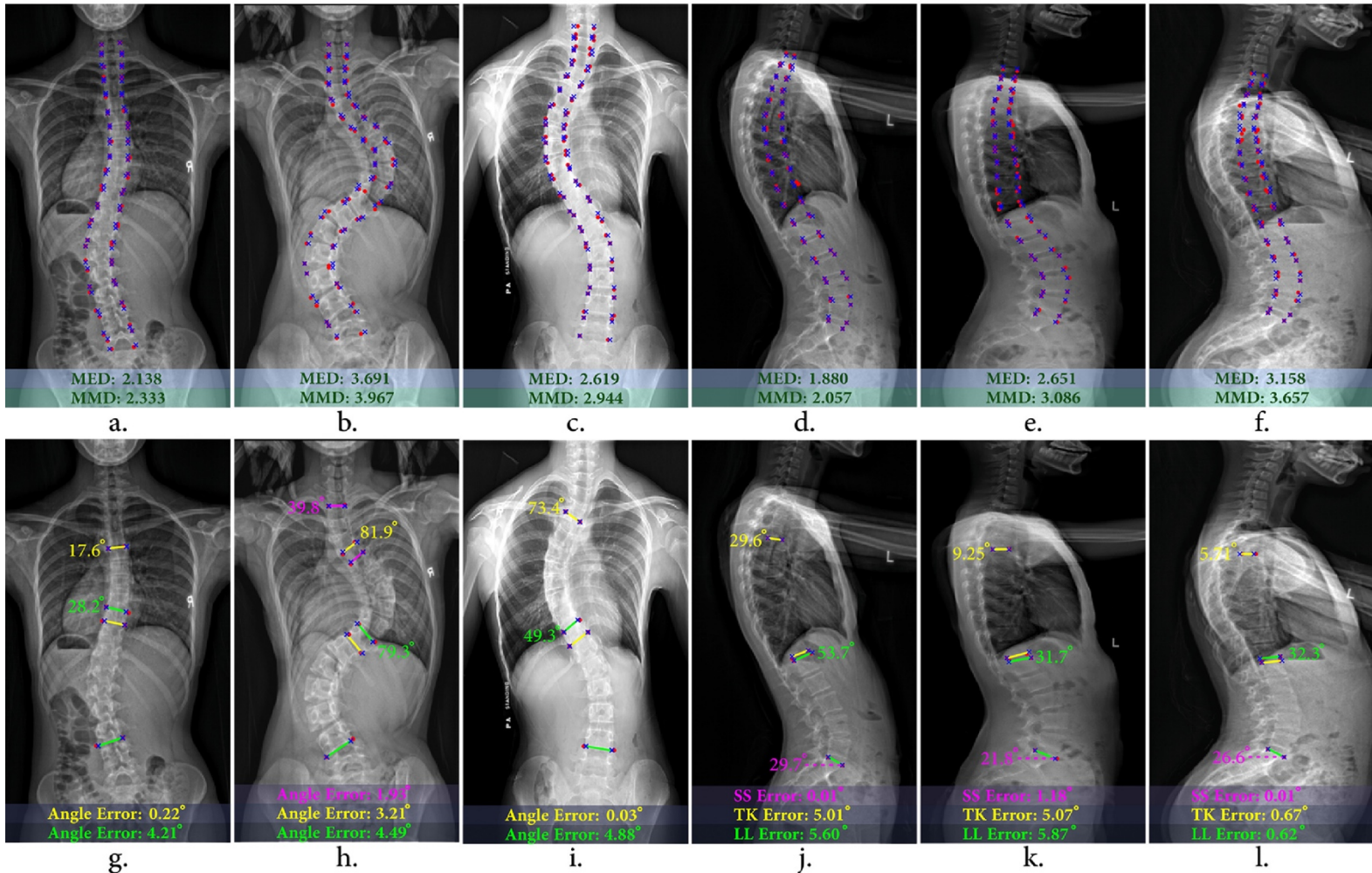
(Credit: <https://www.nature.com/articles/s41467-021-26216-9>)



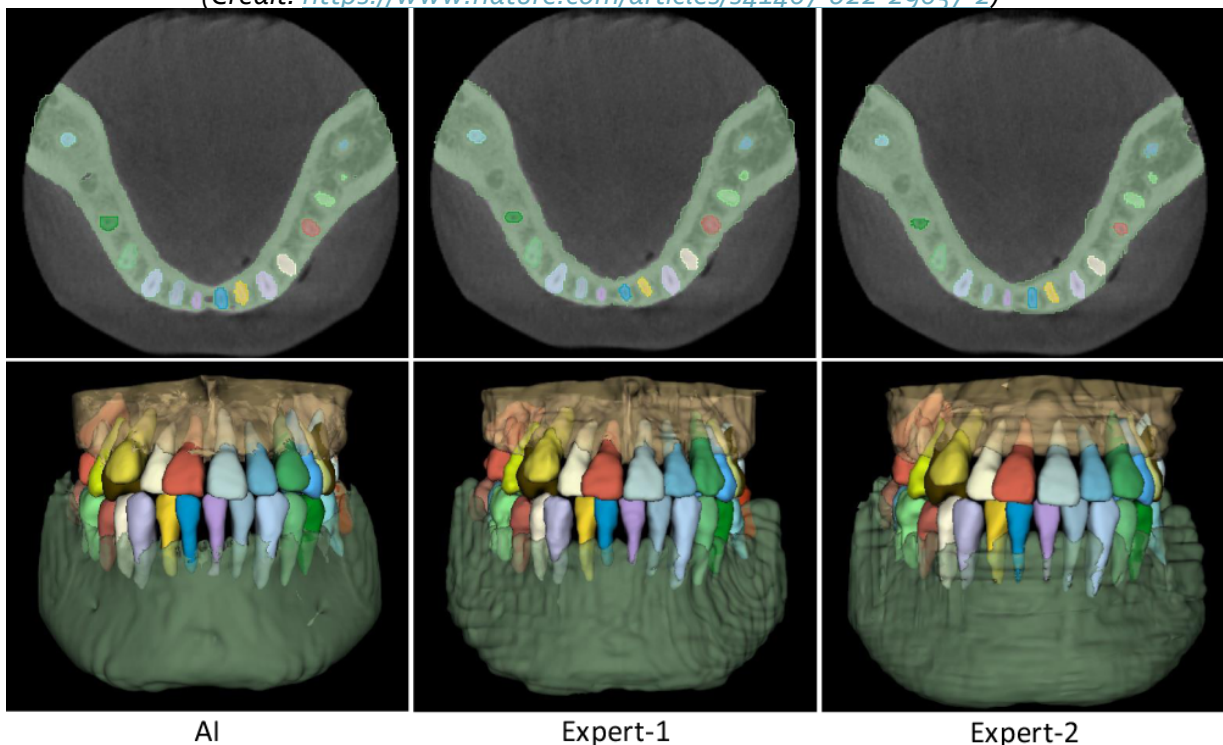
Vertebral column, bones, oral cavity, segmentation and identification

(Credit: https://www.researchgate.net/figure/Visual-results-of-landmark-detection-and-CA-prediction-using-our-SpineHRNet-model-on-the_fig6_357567572)

● Labels × Predictions

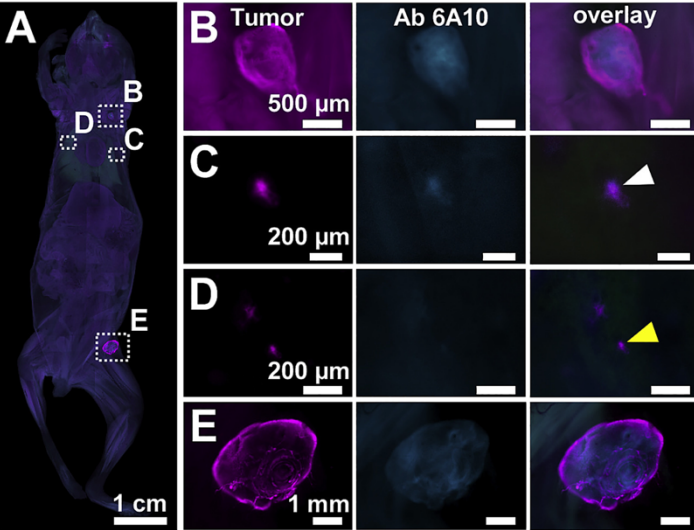


(Credit: <https://www.nature.com/articles/s41467-022-29637-2>)

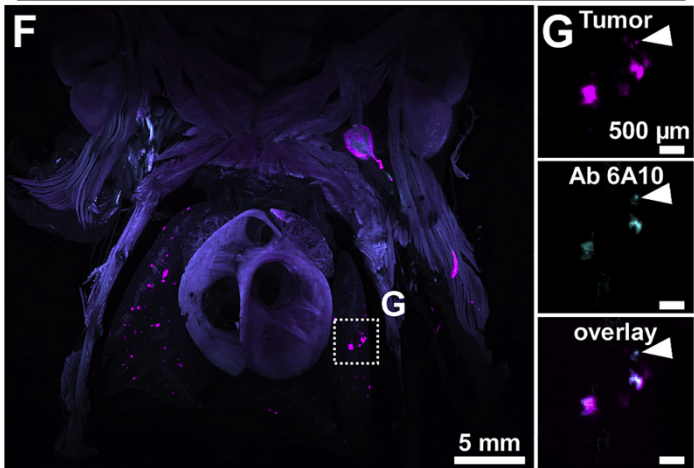


Metastasis – Detection of disseminated tumor cells (spreading cells)

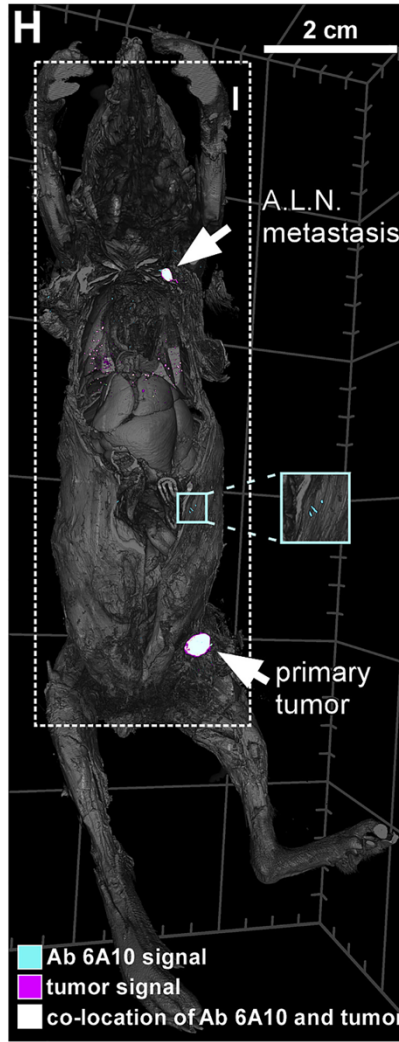
2D epifluorescence



3D light-sheet



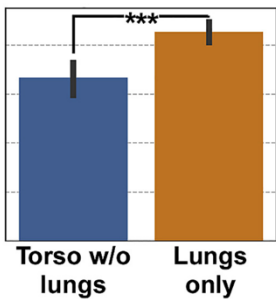
3D light-sheet (rendered)



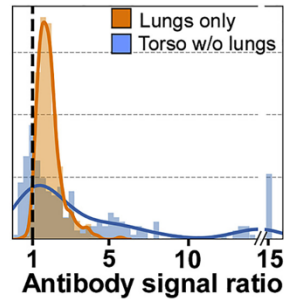
3D deep learning reconstruction



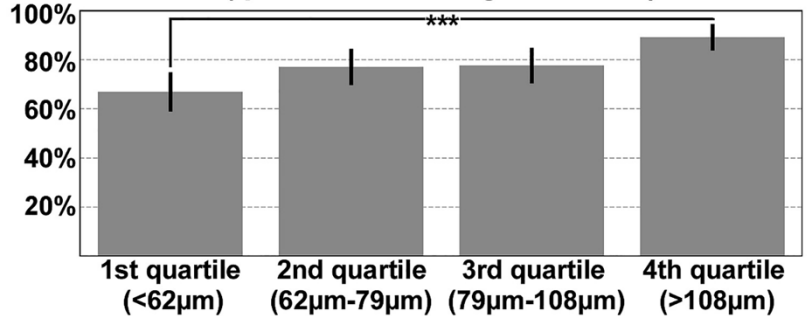
J Share of targeted metastases



K Histogram of 6A10 antibody signal ratio

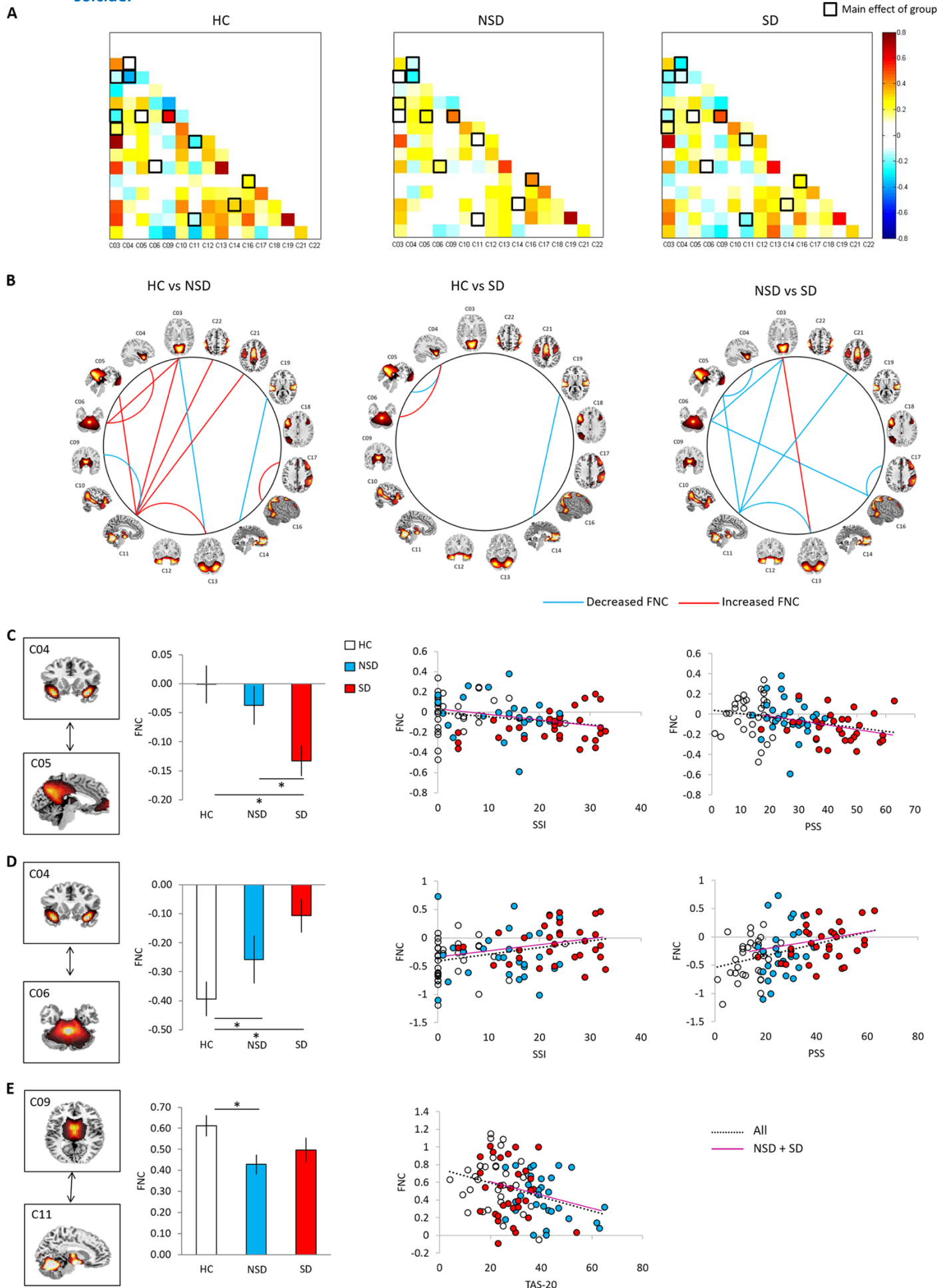


L Share of targeted metastases by size (quartiles of average diameter)



(Credit: https://www.researchgate.net/publication/330906249_Deep_learning_reveals_cancer_metastasis_and_therapeutic_antibody_targeting_in_whole_body)

Alterations in biological neural networks present in depressed patients with a history of intentional suicide.

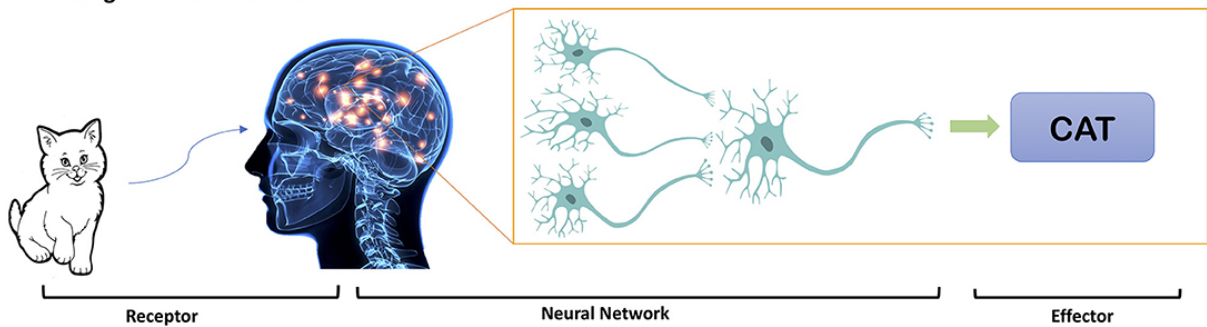


Imagine the following scenario: An institute that performs research on cancer and multiple forms of cancer, has got around 100 researchers. **100 brilliant minds**. This type of structure is present in most institutes and laboratories worldwide. What would the world look like if we could **gather all** these institutes, laboratories and researchers in **one place**?

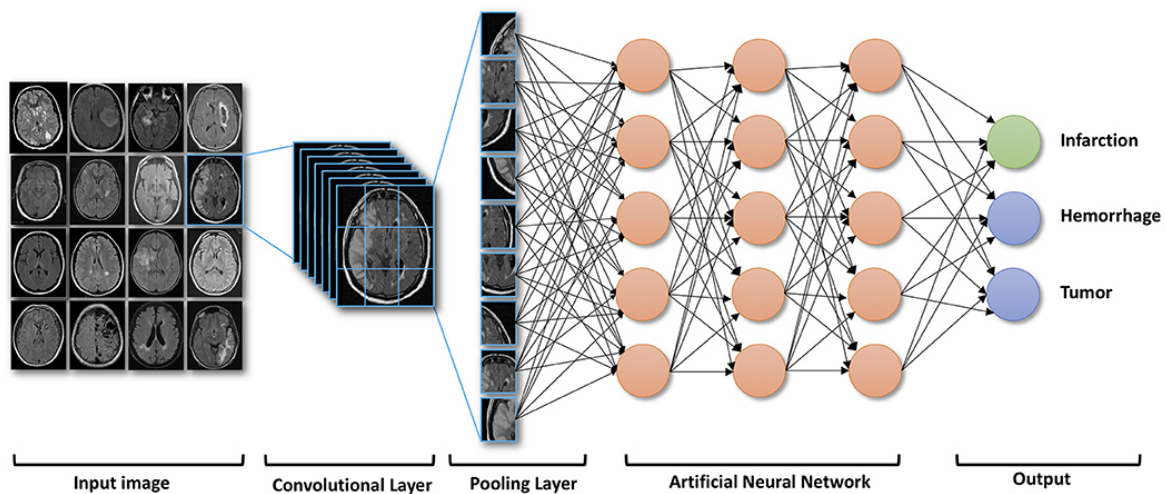
That's Sariff Industries vision, a **Global Institute of Distributed Data Research**, thanks to Machine Learning, we have the processing power in the palm of our hands to deploy **infinite numbers of researchers** that will perform **infinite numbers of symbiosis of data**, which in turn, will provide **infinite numbers of diagnostics and treatments**.

By centralizing the world's researchers, institutions, laboratories, universities and academia, we could **finally put an end to diseases and all forms of diseases** that we may encounter along the way, thanks to algorithms, universal language is applied, diagnostics and treatments in multiple languages will be understood by the system and used to perform multiple probabilities and perhaps come up with new solutions and problems.

A Biological Neural Network



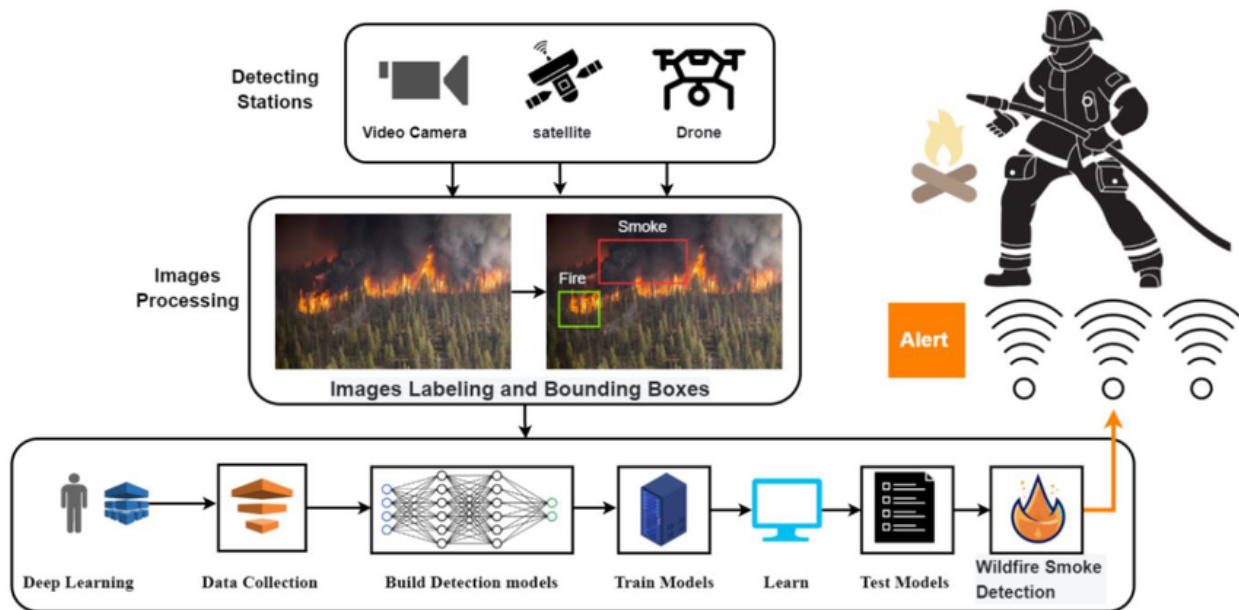
B Computer Neural Network(Convolutional Neural Network)



Credit:

<https://www.frontiersin.org/journals/neurology/articles/10.3389/fneur.2019.00869/full>

Machine Learning usage outside of Medical Research, wildland fires:



(Credit: <https://www.mdpi.com/2072-4292/15/7/1821>)

Thanks to Machine Learning and technologies like LIDAR, we have the power in our hands to stop not only wildland fires, but deforestations and so much more! With such amazing tools we have the power to predict and mitigate such dangers that impose to our nature.

Credit: <https://ieeexplore.ieee.org/document/8756696/>



Classification



Classification
+
Localization

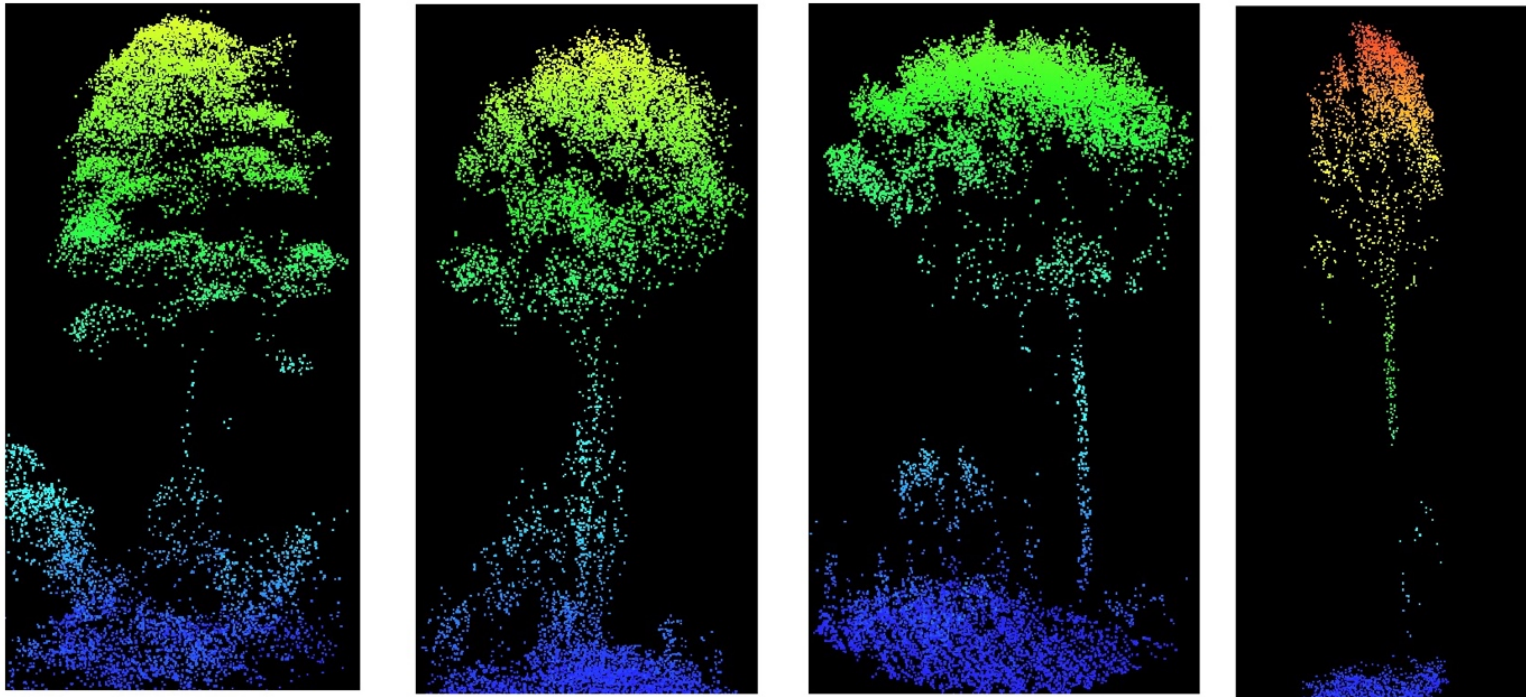


Object
Detection



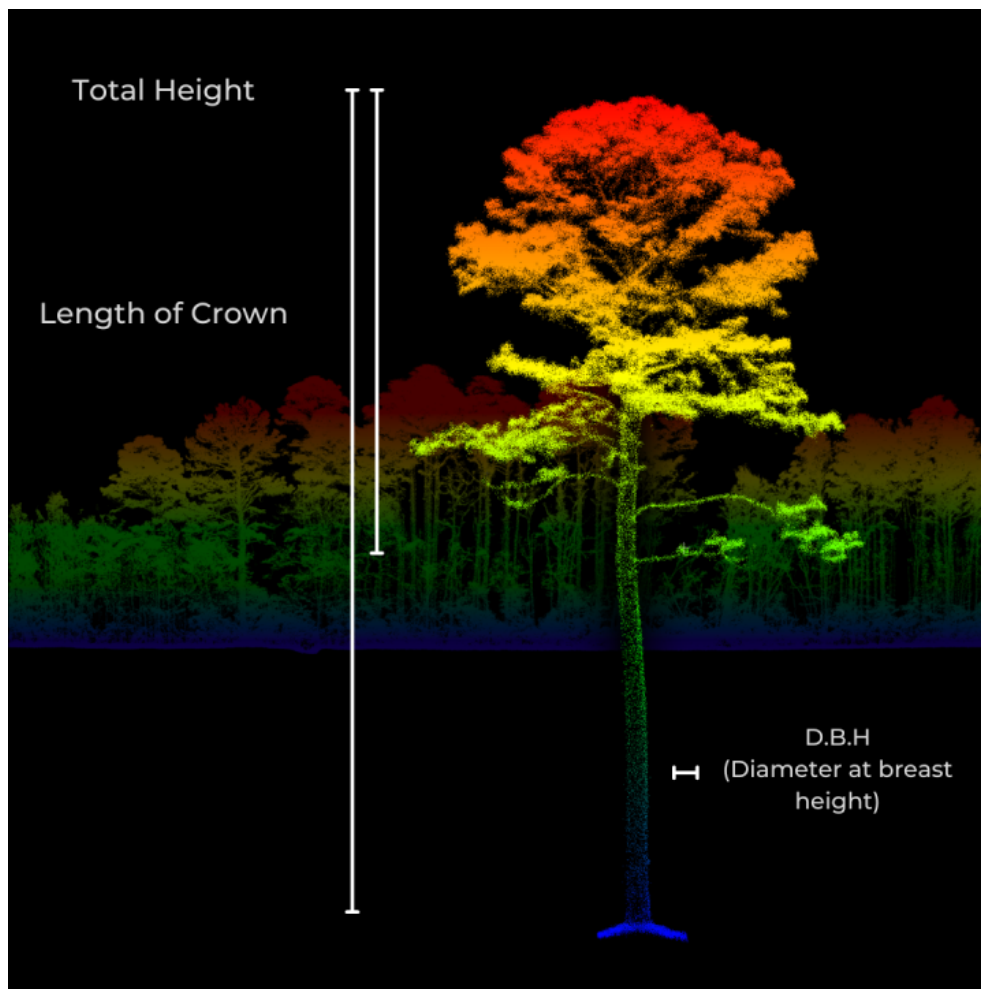
Instance
segmentation

Light direction and ranging / laser, imaging, direction and ranging - (LIDAR)



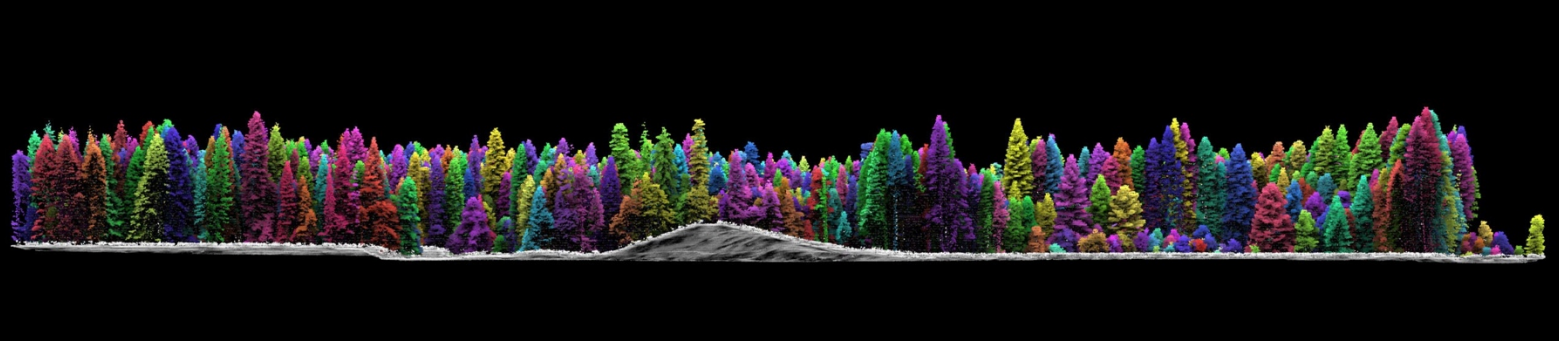
(Credit: <https://www.routescene.com/case-studies/uav-lidar-forest-fires-severity/>)

(Credit: <https://www.linkedin.com/pulse/advantages-aerial-lidar-forest-monitoring-management-ecko36o>)



"Lidar is limitless" – NV5 (<https://www.nv5.com>)

(Credit: NV5 <https://www.nv5.com>)



(Credit: <https://eos.org/features/a-lidars-eye-view-of-how-forests-are-faring>)



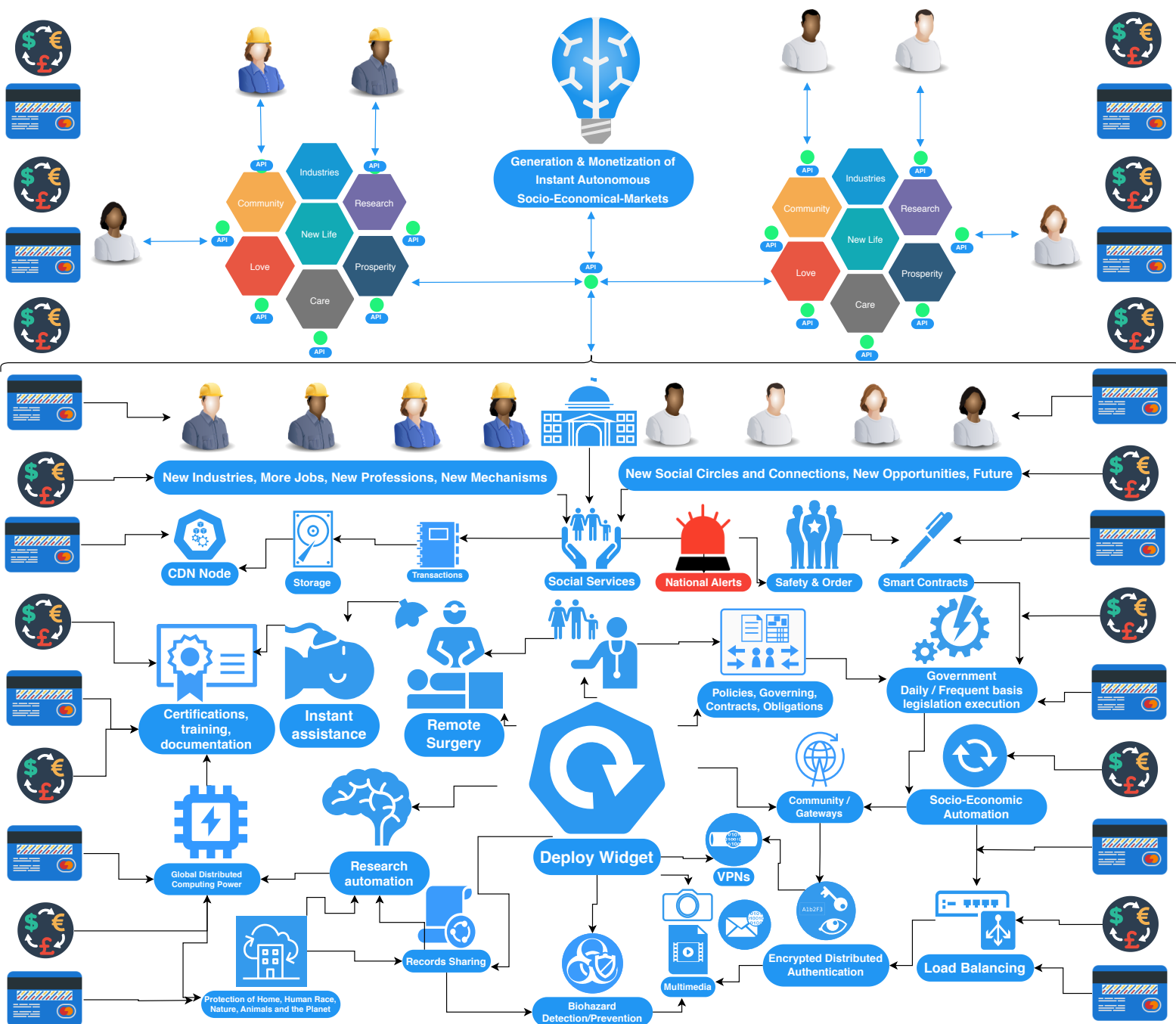
Providing **Machine Learning** with **rich LIDAR** datasets (**libraries of data**), provides us with the power to identify every single tree individually for infections, diseases, quality, smoke detection and much more. Biomass, Carbon and Oxygen estimations, high-risk, low-risk fire segments.

Autonomous drone deployment for fire prevention in conjunction with GPS geolocation provides us with an instant solution of protecting mother nature.

Deploy Widget

The Deploy Widget has the processing power to deploy customized services, microservices, and performs actions that connect, serve and manage real-life events with the system.

The system will generate, distribute and sustain markets of APIs that will generate passive income for every participant, every time a new API is available within the system, the Deploy Widget is notified about given API and makes it available within the system for further deployments of services and customizations.



Distributed community effort for **instant donations, help, and material deployment towards orphanages, animal shelters, humanitarian urgent crisis**, yes, the deploy widget will deploy free services, will help create new connections, communities, and, much more, not everything in the system is to be paid, as we stated, **our intentions are to create an autonomous socio-economic system in which participants have the power to help each other and the surrounding environment, guaranteeing prosperity**.

All of this, and much more, would be a possibility thanks to the **(CDN)** Content Delivery Network the system intends to build, a network that's made of decentralize nodes (Satellites, Ground Antenna Repeaters, Servers, **Single Board Computers, Gateways, Oracles** and much more), all orchestrated together to respond within the system and serve everyone's needs equally.

The **Deploy Widget** will allow the **Consumer** to consume all kinds of services the system will provide thanks to the **Producers**, to the **Producer's industries**, to the Producer's **data**, and thanks to the **Producer's** own made **APIs**.

Sariff Industries contemplated these problems effectively, **we want to provide solutions**. Finding the correct recipe to wisdom is within our project's ideology. To some this may sound ridiculous, human intellect has different sizes and shapes, humans need time to project and understand in their own systems ideas and solutions that other propose, **we are not here to force one**, we are here **to inspire one**.

Producers are all kinds of creatures, people, companies, institutions or governments, rich people, poor people that may be **suffering** poverty, or going through financial struggles, or even desire to make an extra penny to sustain their **families, their loves ones, or even themselves**. Which is why, **we desire** to enable these individuals, institutions, companies and governments to sustain their own loves ones, their own associates, their own employees, and their own citizens, by providing them with an system of equal opportunities, distributed across the globe, audited, protected and engineered by professionals and researchers from the industries that encompass our project's topology.

Now, we are going to explain how **Producers** will get the **power to generate passive** income within the system, and, at the same time, contribute to the system with rich data that will be trained by internal and external machine learning markets, at the same time, contribute with a **distribution of new APIs solutions** into the system, and, at the same time, enable a **true autonomous socio-economic mechanism** both protected from cybersecurity attacks and physical security threats (within limited environments configurations/aspects)

We are going to provide an example of an **individual in China earning passive income** thanks to a couple of APIs that are available within the system. Those are the **GSM API**, the **File Storage API**, and the **Node API**, and, thanks to another **individual in Mexico**, that paid for these services within the system, we are going to explain how a passive income is achieved within the system.

Our **POC** (Proof of Concept) is **based on the desire** of an **individual in China (Producer)** to generate passive income by making use of his **Single Board Computer, Laptop, IoT, or Bare Metal Servers**, in conjunction with SIM cards, Hard disks/MicroSDs/SSDs, and multiple **APIs**.

Now that we have the **Producer** [desire to distribute + desire for production], we can **autonomously find the demand within the system**, and the demand was found from another individual/institution/organization **in Mexico**, wishing to **rent the Producer's SIM card** every month for **VOIP/GSM calls** within China or outside China, the **Producer's available storage space for storage of encrypted data and other research data**, and, the **Producer's global computing power, VPN/Computing power**, which enables the individual institution/organization in **Mexico**, to store data in a **remote area** in China, such as mountains, lakes, or, to study data from a **remote area** in China, or, perform **remote direct research** on a specific land of China, or, to perform direct **remote surgery** on an individual in China, and vice-versa.

A **consumer** and a **producer** have been found, the producer listed his prices for rental of the SIM Card, the available storage space and the computing power that will transform his single board computer/laptop/server into a remote physical gateway that enables remote computing power, computing power for researching and analyzing

Below, are the prices listed by the Producer for every service the Consumer requested:

Rental -> Product -> **SIM Card** -> Duration -> 30 Days = **20 USD**

Rental -> Product -> **Storage Space** -> Size -> 1TB -> Duration -> 30 Days. = **10 USD**

Rental -> Product -> **Computing Power** -> VPN tunnel -> Duration -> 30 days = **15 USD**

Rental -> Products -> **SIM Card, Storage Space, VPN** -> Duration -> 30 days = **45 USD**

Now, **with an offer and a demand in the market**, the handshake can start, the handshake depends on both sides (Consumer and Producer), if conditions don't meet, a handshake can't happen, if conditions meet, the consumer and the producer have the power to seek a legal binding handshake, if they need legal signed handshake agreements, they can make use of our 7 circuits of legal data distribution and monetization agreements, which apply globally and within each other's jurisdictions, a global legal transaction, completed.

Wait, wait. That's freedom isn't it? Yes? What's wrong with that? Who stops the Producer to seek from the Consumer extra money for extra operations? What do we mean by that?

This comes from our experience with **remote hands in datacenters**, professionals in datacenters that have too much work to do and we needed a mechanism to distribute all that work equally so that we can achieve the desired output, so, we have decided to **motivate** the customers and the remote hand engineers by implementing a payment mechanism for I/O operations, that ended up motivating remote hand engineers, and provided with a small boost in revenue for these engineers, and provided with a glorious maintenance output in results for our customers.

What happens when we apply this logic into the system?

Rental -> Product -> **SIM Card** -> Duration -> 30 Days = **20 USD**

Rental -> Product -> **Storage Space** -> Size -> 1TB -> Duration -> 30 Days. = **10 USD**

Rental -> Product -> **Computing Power** -> VPN tunnel -> Duration -> 30 days = **15 USD**

Rental -> Products -> **SIM Card, Storage Space, VPN** -> Duration -> 30 days = **45 USD**

Rental -> Product -> Managing -> I/O operations -> Insert/Remove device = 100 requests = 70 USD

Rental -> Product -> Managing -> I/O operations -> External backup -> Additional backup space of 1TB = 10 USD

Rental -> Product -> Managing -> I/O operations -> Maintenance -> Perform backup -> X days/weeks/months -> 30 USD per month

Rental -> Products -> SIM Card, Storage Space, VPN + **customizations** -> Duration -> 30 days = 45 USD + **110 USD** = **155 USD**

Now, **the individual in China** has been **able to monetize his services for 155 USD for the individual(s)/institution(s) in Mexico**. What would the world look like, if, the individual in China were to **monetize his services for 100 participants** and not only 1?

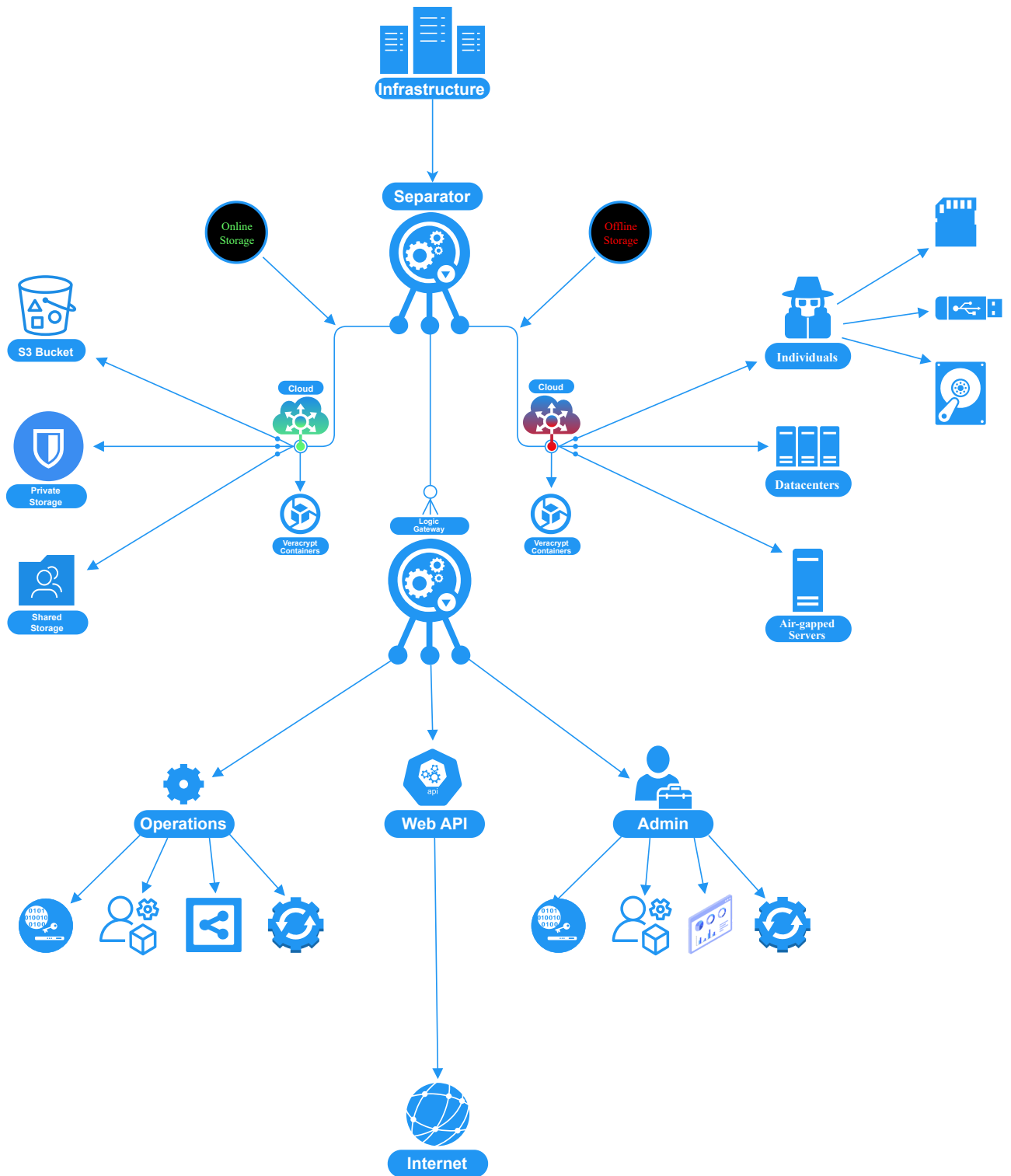
By monetizing his services to 100 participants, the individual in China is capable of earning an approximated amount of $(155 \times 100) = 15500$ USD (**15000 USD**) per month. Half a year's salary of a Chinese worker could be earned in a month by a Chinese individual thanks to the system's powers.

Bilateral, Multilateral, Unilateral and **Plurilateral** economic activity, thanks to the system's **multilateral chamber of commerce**, to the real life certificates of incorporation that we are accepting and thanks to the certificates of incorporation that we are issuing to new virtual sole proprietorship, corporations, institutions, organizations and governments.

That means, **one or more individuals**, institutions, corporations, organizations or governments can sign plurilateral agreements that leads to **plurilateral economic activity**.

The system provides the **Producer** with the **option to monetize this data, in agreement** with the **Consumer, by making use of our 7 agreements circuits**, they can perform a **handshake** and **sign one or multiple agreements**, each agreement being drafted under each participant's jurisdiction and performing a handshake agreement between 2 jurisdictions or only in 1 jurisdiction (2 may not be needed), or, no handshake agreement at all, which makes the Consumer and the Producer trust each other without agreements to **monetize the data both of them produce and manage**, thus, **generating a new pool of data**, that generates **new demand**, and that demand generates **new APIs**, new industries, new everything, which is then distributed thanks to the **Oracle CDN** segment **across multiple protocols and networks for further monetizing** if the agreements have allowed the **usage of the Oracle CDN for data to exit the system**, otherwise, the data will stay within the system, and be distributed only by the system's main CDN, without allowing for the data to access the Oracle CDN, thus keeping the data in the system, non-accessible to 3rd party networks or participants.

Below, we are providing you with a simple diagram of how **the File Storage API** would work in the system, in the illustration, both **offline** and **online** storage are a possibility, providing participants with the option to **generate income from both offline and online worlds**, the same scenario applies to **multiple types of services** not only File Storage but also **GSM API, Computing Power API** and so much more.



No one left behind, no desire left behind and no **preference left behind**, all, in a legal manner, of course.

The **difference** between **Sariff Industries ideology** and other conglomerates, can be found in the system's topology, our desire of building an autonomous socio-economic society, with a temporary centralized competent governing body (Sariff Industries, **Advisors, Auditors** and Board of Directors), our intention of building **multiple prototypes** to **train**, and our final **intentions** of using the **trained network as a governor** for the system, and then, for the multiple system of life, health and prosperity Sariff Industries intends to distribute across the globe.

Human affairs **should be driven by wisdom**, the world is currently on the verge of collapse, not from an economical point of view, industries are still functioning, but **from a societal point of view**, and Sariff Industries intends to address these issues, to **boost back the prosperity and creation of life, industries, opportunities**, and **future**, with the help of current technologies and professionals from the industries the system encompasses.

Access to wisdom is granted from cooperation, desire of help, love towards the ones that caused us pain, and the process of learning from these elements, by separating and analyzing them individually.

That's a harsh and natural way, Sariff Industries intentions are to **eliminate** that pain and circuit of suffering, **without interfering in the natural process**, and **provide people with power of becoming producers** and **distributors** to the **world's needs**, so that we can achieve the **balance in opportunities**, and use that balance to generate and monetize instant autonomous socio-economic markets, and **distribute them across the globe**, as hypercomplex computing Infrastructures as a Service, yes, **economic automation**, socio-economic **prosperity**, and **safety** for the participants of the system, yes, **decentralized system governed by decentralized trained neural entity** a possibility, yes, **decentralized participation protected** by distributed clusters of nodes in charge of generating, managing & protecting cryptography, steganography and autonomous cybersecurity & physical security mechanisms the system intends to **provide**.

This is **not a social engineered intention**, or a plan to deceive people, **it is research of decades** of intensive preparations, training, audits and collaboration between data scientists, computer scientists, security researchers and professionals across multiple industries.

Sariff Industries intentions are to make use of all this research, in conjunction with our background, our connections (both physical and virtual) and our time to **architect, design and execute, multiple prototypes of our upgraded systems** until we can achieve our intentions of **generating autonomous self-governing systems**, capable of **providing the planet with autonomous research in medical industry, nanotechnology, biotechnology**, to find solutions to decades-long problems, **potential cures, potential antidotes, potential mental health solutions**, and **addressing mental behavior patterns** to avoid **further dopamine of pills**, and **unnecessary anti-biotics** we are consuming on a daily basis. Sariff Industries wants and desires to **make use of collaborative trained research** and design, plan and execute **prototypes of systems to change the way we suffer**, not by removing the natural process, but by **assisting it with the correct recipe**, and **not with mixed unnecessary medications or vaccines, neither with brain implants**, we have a vision where nanotechnology, nanobiology and the planet can work together in peace without disturbing each other, without altering the natural course of each other

Signaling to Law Enforcement Networks

No, plausible deniability will **not help criminals perform** their activities and get away with it, we are addressing this to the Law Enforcement agencies, **our intentions** for plausible deniability implementation **are not for protecting criminals**, but for protecting the honest participants of the system in case of threatening situations, in production, and to penalize criminal production, smart contracts along with **triggering mechanisms** that consumers, other producers and oracle producers can use, to alarm of a crime producer of the system, and punish him by execution of smart contract, or, by execution of system's functions we consider implementing, such as: **Signaling to Law Enforcement Networks** (Europol, Interpol), **locking mechanism**, delaying mechanisms based on **pattern identification, GSM Triangulation** and much more.

We projected, planned and executed our plausible deniability mechanism to work within an isolated circuit, within isolated conditions, the plausible deniability mechanism **does not have the processing power to reach to the Deploy Widget**, thus limiting it to the **Authentication API**, which can be used anywhere, by anyone, within any segment of the system, yes, the system topology can be segmented and used by other participants, our APIs can be monetized.

Final conclusions

There's much more to be said about the system we intend to build, unfortunately, this document must stay as non-technical as possible, and, for us to explain the system completely, would require building a technical documentation, which we are currently doing. This is the non-technical version of the system, the technical documentation, audits, letters of support and letters of intentions will be released on sariff.org.

Until then...

We invite the viewer (you), to take a look at [our diagram](#) and imagine by yourself what the world would look like if the system were to be online and operating for all of us.

The diagram can be found at <https://sariff.org/diag.pdf> (may take some time to open, it is very heavy)

Questions, feedback, got bored?

Feel free to reach to us at: ceo@sariff.org

Thank you for reading this documentation, we highly appreciate your time, truly yours,
Sariff Industries.