

IRI – the Company – the Essence and the Value



IRI's founder tells it in two minutes.

I established Intelligence Renaissance Industries to create real-world applications from very far-out research discoveries. We exist as a company to advance the quality of human lives and society through precision-integrated technologies that serve functions in everyday life everywhere.

Our mission spans Earth and distant Space. Our focus begins here on Earth with health and wellness for individuals, families and communities. We employ a closely-integrated family of products that serve home, workspace, and community with intelligence - the "smart home, yard, office, the intelligence for work, travel, play, the smart assistants for waking, working, playing, sleeping safely, and with healthy outcomes.

Our repertoire of products and services address the ways people communicate, collaborate, meet, educate, play and trade, in-person and through the avenues and networks of open-ended digital space. We deliver seamless and integrated communication of information for intelligent use that gives people, companies, and communities the power to discern risks and opportunities, strengths, weaknesses and risks, intelligent new directions. We employ ordinary data of a myriad types to analyze uncertain and challenging situations connected with novel and "black swan" events, with often unexpected and unpredictable transitions, trends and movements. We transform data into information into knowledge about seemingly diverse but closely-coupled matters that range from individual neurophysiological health to environmental and climate-related transitions to matters of life and exploration in places where few persons or even no human has yet gone, such as in deep space.



We use intelligent algorithms that detect, monitor, and accurately predict outcomes to better help healthcare providers improve patient outcomes. Our Oasis Health Intelligence (OHI) Division produces datasets that provide truly deep learning about population health including disparities and inequalities and imbalances that need to be identified and addressed as soon as possible, for individuals, families and communities.

Currently, we deliver information products that pertain directly to neurological, cardiological, autoimmune, and stress-related disorders and diseases. We deliver value for diagnostics and for therapeutics, with an emphasis on what fits into everyday life – home, work, travel – and this is all done in manners that are truly “non-invasive” – not only about the body, but about lifestyle and

perception. This, too, comes through our OHI Division. That range of healthcare and medicine comprises a serious and emerging area of disorders and diseases that are on the rise, worldwide, and made worse by diseases like COVID-19.

We employ sensors and algorithms to deliver intelligent networks of sensors and actuators for use in the home, workplace or any environment. In our C4L Division, the emphasis is upon = Communications + Concurrency + Collaboration + Control Logics for health, safety, exploration, and even in agriculture, serving the smart adaptive farm of the future, today. We employ remote, portable smart sensing devices such as phones, and wearables. This is "smart home" tech with a purpose and value for health and lifestyle. It is focused, purposive, and with no extra baggage, data included. Our world has had a data explosion. We reduce the clouds and haystacks and do the refining and distilling of data, identifying the "needles" in those "haystacks" that matter, the essence that matters most to each person.

Through our OASIS Division, we provide unique social interaction environments, beyond what have been the first-generation of social networks and internet applications, delivering the COMEET power to individuals, groups, communities. Communication, Collaboration, Meeting and Making, Education and Learning, Entertainment and Gaming, Trading. This is the world of TERRA - more than a simplistic metaverse app, it helps enable people to discover more of who they really are and what they really want - and not to push them into being what the internet provider wants them to think they want.

In our KOIN Division, we take things to the Next Stage in the global economy - knowledge as a community resource, as a network empowering people, and as a new form of fiat currency, digital but not like the old cryptocurrencies based upon nothing but "thin air". Envision where the intellectual property of an entire planet is part of what sustains the value of the currency being used to build and sustain and protect Our Together-Future.

Why did we move into what sounds like "big-data" informatics? We discovered that what we needed for our research in these medical areas simply did not exist, and what we did find was often full of gaps, errors, and missing critical information. We needed different and better, so we set out to build the tools and methodologies for producing exactly that. Seriously valuable population health informatics. In the process of doing so, we discovered that this addresses several important things in our world today – population health inequalities and equity matters, and things connected with the environment and particularly climate changes. This led in turn to other new discoveries about the types of "lifestyler" stressors, the psychosocial factors, contributing to many rising disorders and

diseases of the type we call "neuroplex stress disorders" - neuro, cardio, autoimmune inflammatory - and many exacerbated by infectious diseases like COVID-19.

Why did we find so many emerging new uses for computational tools like machine learning, the "AI" that we prefer to call "SI", synthetic intelligence? We discovered that tools which work very well with text and images, for instance, can also be employed to identify new and very complicated, and also complex, situations such as identifying regions of the world where the next pandemic disease may be emerging, or configurations of behaviors that can point to physiological risks such as those faced by expectant mothers or mothers who have just given birth. This led us into the hard work, the arduous research, that now bears amazing practical results in the form of what we call our sients 0 synthetic intelligent agents - not an *Eliza*, not a *Siri* or *Alexa*, but something better for the tasks at hand.

Our technology exploits but uses in precise and specific ways the powers of network computing, virtual and augmented reality media, machine learning, and synthetic intelligence. We use the "IT" and the "AI" to do what is necessary, and not to lead into nebulous and superfluous overuse of technology just because there are fast processors and virtually unlimited memory. We produce what others often call "cloud" services, but we call it "clear skies" - meaning, we emphasize producing information that is accurate and not "cloudy, murky or fuzzy" because people's lives and well-being depend upon such accuracy and the breadth of vision. Too much sauce, too much pasta at the end of the fork, makes for a less desirable dinner. We have been doing this for over two generations and we know a few special things about "information cuisine".

On a global front, by using healthcare provider data submitted anonymously from offices, clinics, and telehealth visits, we are constantly expanding our database to predict outcomes that will help develop new drugs and new treatments that improve the health of patients. We are working with medical centers and universities in the Americas, Europe, Asia, and now Africa.

We are a very diverse and diversified company, and at the same time, highly unified in the Work, in the STEM, and within our Team. You can see that we focus on computer-driven, data-driven processes with attributes like "integration, fault-tolerance, compatible, universal". Our products work together and serve to empower:

- Individual personal assistance devices
- Smart mobility and safety-alert devices for the elderly or infirm
- Smart walkers and home-assistance aids
- Machine-intelligent real-time control of agricultural functions such as irrigation, fertilizer, pesticide, and power regulation
- Customized robotic security, safety, and surveillance products
- Information streaming and assessment pertinent to environmental change, species transition, migration and mutation, and epidemiological forecasting and tracking

- Collection and individual correlation of personal biometrics in the home using devices that aid in improving the person's health and wellness, but with all information kept private - much more so than is the case with certain in-market products.

We would love for you to be involved and to gain from who we are and what we will bring to your world. You will surely gain things that you value. Of this we can assure you.

We Are

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