



First ever Blockchain based robotic concept by  
**Royal Smart Future (RSF Coin) Corporation**

Let's celebrate future mission

**Welcome to BlockChain revolution 2021 and  
beyond**

## **Summary**

Introduction: Why RSF Coin? .....
The RSF Coin Team .....
Introduction To Robotics .....
Internet, Blockchain And Ethereum.....
Robotic strategy .....
Robotic in Blockchain.....
Overview.....
Privacy Features.....
Other Key Features.....
Technical Description .....
Business Model.....
Overview.....
Business Strategy.....
Allocation Of Funding.....
Conclusion .....
Competitive Environment.....
REFERENCES.....

## **Summery**

The RSF Coin Corporation team is launching its application RSF COIN COIN, which is a decentralizedToken internet application platform with support for cryptocurrencies. RSF Coin Market recreates the global infrastructure of Robotic, AI, Machine learning and many more. RSF Coin market offers significant advantages over traditional Robotic platforms and opens up the rapidly growing marketplace to new business(B2B) and user(B2C) segments. At the same time, RSF Coin Token contains powerful tools to facilitate both the user experience and to protect customers and Industries. All buyer payments are made in cryptocurrency, principally in bitcoin (BTC) and ether (ETH), which can be held in an integrated wallet for convenience or, if preferred, in an external wallet.

Customer will be required to use the RSF Coin coin in order and used Robotic services or otherdirectly from RSF Coin corporation.

## **Small Introduction about RSF Coin corporation**

Robotic services provider RSF Coin Corporation has looked into its crystal ball and predictedthat blockchain, machine learning and robotics will be among the technologies which will“reshape digital business” in 2021 and beyond.

Of this motley crew, it is blockchain which comes out on top as the key technology, primarily around security reasons.

Naturally, with emerging technologies, many overlap. There will be a ‘boom’ in new wireless technologies which will ‘enable IoT and bring us a step closer to the dream of pervasive connectivity’, as the company puts it. RSF Coin Corporation also predicts an opportunity for incumbent players to claw back market share in the coming year if they have high levels of automation and modernised architectures in their businesses.

## **Abstract**

in this paper, we will focus on 4 pillars of our project and application based on blockchain technology. The 4 pillars of our project are AI, Machine Learning, Industrial Roboting & Research & Development. The purpose of this document is to illustrate the vision of RSF COIN CORPORATION, explain the problems we are solving through blockchain to 4 pillars of big business which is AI, Machine Learning, Industrial Roboting & Research & Development, and how we are going to achieve our goals in the future with RSF Coin Coin project. In the era of blockchain technology, a decentralized database and transaction is needed for every aspect of life to avoid any manipulation from third parties and agencies. We highlight the big business in the world that expanding in every year. Based on the power of knowledge, we will build an advanced eco-system application based on blockchain for 4 pillars we choose since they are rapidly grow exponentially in the future (AI, Machine Learning, Industrial Roboting & Research & Development).

## **The future of robotics: 10 predictions for 2021 and beyond**

What does the future hold for robotics? It's hard to say, given the rapid pace of change in the field as well as in associated areas such as machine learning and artificial intelligence. But one thing seems certain: Robots will play an increasingly important role in business and life in general.

Research firm International Data Corp's (IDC) Manufacturing Insights Worldwide Commercial Robotics program recently unveiled its top 10 predictions for worldwide robotics for 2021 and beyond. The list has some interesting forecasts, and if they come true, they will likely have a significant impact on business and society.

### **Two arms good, four arms better: How robots are redefining the future of surgery**

In hospitals around the world, surgeons are getting help from new robotic assistants.

"Technological development in artificial intelligence, computer vision, navigation, MEMS sensor, and semiconductor technologies continue to drive innovation in the capability, performance, autonomy, ease of use, and cost-effectiveness of industrial and service robots," said Jing Bing Zhang, research director of worldwide robotics at IDC Asia/Pacific.

"Robotics will continue to accelerate innovation, thus disrupting and changing the paradigm of business operations in many industries," Zhang said. IDC encourages companies to "embrace and assess how robotics can sharpen their company's competitive edge by improving quality, increasing operational productivity and agility, and enhancing experiences of all stakeholders," he said.

Zhang shared top predictions and major robotics trends that are set to present opportunities and challenges to organizations in 2017 and beyond:

- 1. Growth of "robot as a service."** By 2019, 30 percent of commercial service robotic applications will be in the form of a robot-as-a-service (RaaS) business model. This will help cut costs for robot deployment.
- 2. Emergence of the chief robotics officer.** By 2019, 30 percent of leading organizations will implement a chief robotics officer role and/or define a robotics-specific function within the business.
- 3. An evolving competitive landscape.** By 2020, organizations will have a greater choice of vendors as new players enter the \$80-billion information and communications technology market to support robotics deployment.

**4. The coming robotics talent crunch.** By 2020, robotics growth will accelerate the talent race, leaving 35 percent of robotics-related jobs vacant, while the average salary increases by at least 60 percent.

**5. Robotics will face regulation.** By 2019, government entities will begin implementing robotics-specific regulations to preserve jobs and to address concerns about security, safety, and privacy.

**6. Rise of the software-defined robots.** By 2020, 60 percent of robots will depend on cloud-based software to define new skills, cognitive capabilities, and application programs, leading to the formation of a robotics cloud marketplace.

**7. More collaborative robots.** By 2021, 30 percent of all new robotic deployments will be smart collaborative robots that operate three times faster than today's robots and are safe for work around humans.

**8. Arrival of the Intelligent RoboNet.** By 2020, 40 percent of commercial robots will become connected to a mesh of shared intelligence, resulting in 200 percent improvement in overall robotic operational efficiency.

**9. Growth in robots outside the factory.** By 2019, 35 percent of leading organizations in logistics, health, utilities, and resources will explore the use of robots to automate operations.

**10. Robotics for Ecommerce.** By 2021, 45 percent of the 200 leading global ecommerce and omni-channel commerce companies will deploy robotics systems in their order fulfillment warehousing and delivery operations.

## **Blockchain Introduction**

**BLOCKCHAIN PLATFORM WOULD CREATE SYMBIOSIS OF HUMANS, AI, AND ROBOTS**

### **What is Blockchain Technology and where is it used right Now?**

Blockchain technology is silently revolutionizing the world around us and forward thinking organizations are integrating the technology into their daily operations. The system was originally created to bring forward a network of digital property free from centralized control that accurately kept track of ownership.

## A Digital Ledger

The creation of Bitcoin in 2009 also saw the popularization of blockchain technology when the mysterious Satoshi Nakamoto devised a decentralized digital ledger that accurately kept track of every transaction made, and contained a guarantee of integrity throughout the entire network. Nakamoto outlined a consensus network that would enable the new form of digital money to work with a decentralized peer-to-peer payment network being powered by its users. The system essentially works by getting computers to spend energy proving that they are trustworthy, and stamping that trust on the “blocks” of recorded transactions. Trying to falsify or alter any unit of information on the blockchain would require an enormous amount of computing power to try and override the entire network.

By allowing digital information to be distributed but not copied, blockchain technology created the foundation of a new type of internet that the world’s tech community are now finding other potential uses.

As Don & Alex Tapscott, authors of *Blockchain Revolution* stated, “The blockchain is an incorruptible digital ledger of economic transactions that can be programmed to record not just financial transactions but virtually everything of value.”

## Smart Contracts

Blockchain technology has already evolved into something new in that there are many blockchains, as companies operate with different needs and require specific solutions. Ethereum has stepped forward to provide a versatile platform that offers a new range of solutions.

Created by Vitalik Buterin in 2013, the Ethereum network allows users to create “smart contracts” that can be executed by any computer running the Ethereum software in exchange for the network’s own currency, ether. The Ethereum network has the ability to realize the potential of blockchains on a world-changing scale with smart contracts opening up a range of possibilities in sectors including the world of law, the music industry, and the real estate business.

The opportunities for development are endless with the following sectors all-moving towards integrating blockchains:

- Investment
- File Storage
- Identity Management
- Intellectual Property Protection
- Sports Betting
- Online Gaming

Blockchain technology is set to become a fixture of modern life with companies such as Storj (a file management operation), Civic (identity management), and Mycelia (music distribution) all utilizing the blockchain. The number of organizations running blockchain based operations looks set to continue long into the future.

## How technologies will disrupt business processes

### **We think Blockchain will be bigger than Robotics for the Shared Services industry**

The report includes three interesting forecasts that show how quickly technologies such as AI and blockchain could change how businesses operate:

- Observers believe the government will start collecting taxes using blockchain by 2021.
- By 2023, artificial intelligence will account for 30% of all corporate audits.
- One study by the University of Oxford predicted that 47% of U.S. and Japan jobs are at risk of automation.

For many of us, and for too long, talk of Blockchain technology sat almost synonymously with talk of Bitcoin. Initially both terms were shackled together in narratives so religiously that boundaries blurred to the point the reader could be forgiven for rolling them into one big fat buzz phrase. One that conveniently disguised the fact that altogether different uses of the technology existed outside of currency conversations... Fast forward to December 2017, and it's now hard to find a piece of Blockchain content that doesn't use the tagline "beyond Bitcoin". Everywhere you look, there's evidence that the wider corporate world has now woken up to the bigger picture (and bigger benefits) of how else to leverage Blockchain in business. Everyone, it seems, is now smelling the proverbial coffee.

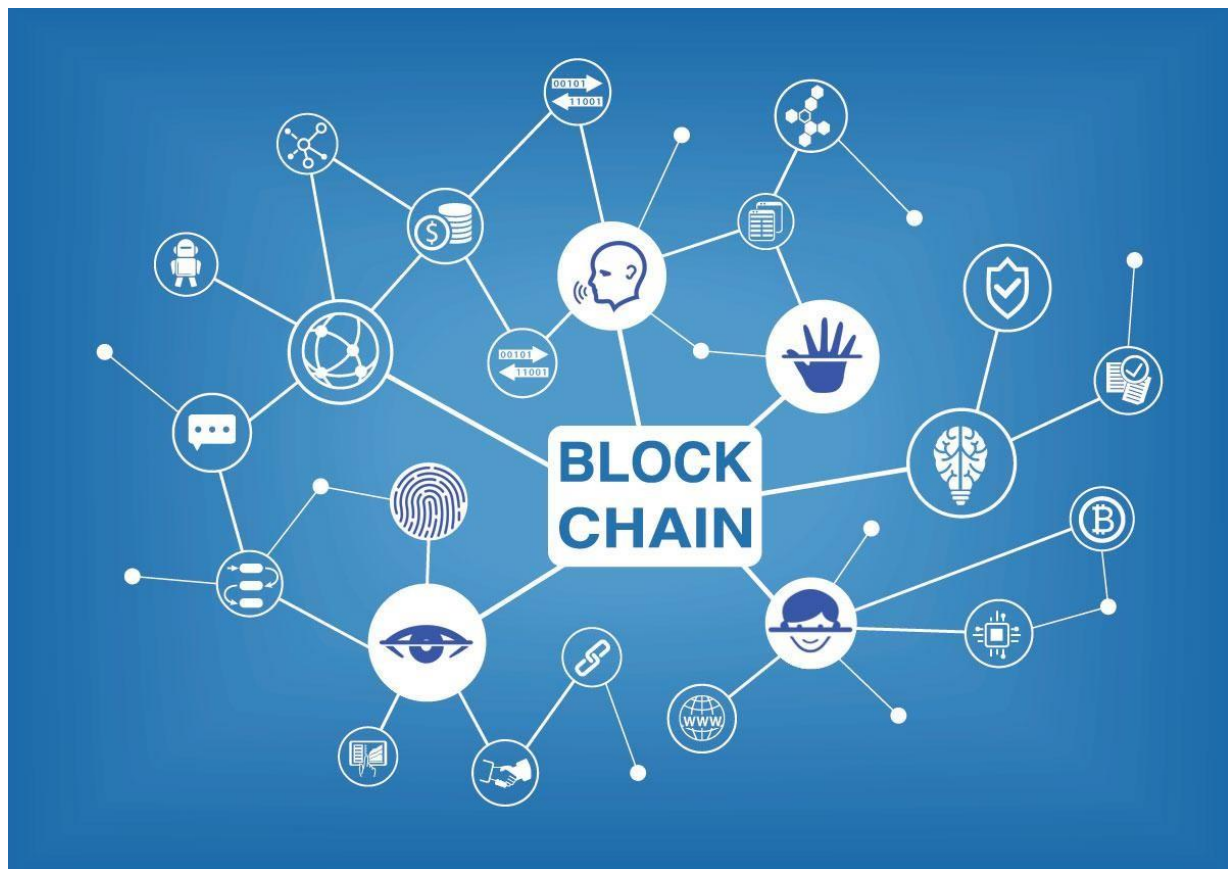
Sure, we've all read about blockchain and are (at least vaguely, in my case) familiar with the concept. But somehow, although it feels like should be talking about how to utilise it more in Business Services, it's still too easy to assume it doesn't really translate to industry day jobs (i.e. running Shared Service Operations) and relegate it to the "nice to know" pile. And that was ok.. at first. But going forward, it's fast becoming clear that Shared Services professionals will need to adopt a very different attitude to the opportunities that blockchain represents to both the digital back and front offices, and pretty quickly, or risk being left behind.

For many of SSOs, it's more likely posed the question of whether they really need to be distracting themselves with yet another "revolutionary" head-turning technology when we're all still focused on the last big new thing. According to the experts however, that's exactly what we do need to do.

So there we have it. And we shouldn't be altogether surprised. Shared service organisations have been being prepped to gear up for large-scale digitisation for year and blockchain has always been cited in the credits (by the way, if you need a sanity checklist on the "how to" of prepping for your SSO's digital future McKinsey do a pretty decent job of highlighting the headlines in their 2016 article.

Maybe this all points to blockchain being the twist in the digitization tale we weren't quite expecting? If five years from now, it transpires intelligent automation only forms part of the bigger opportunity and picture, and that blockchain does in fact play a leading role, it would seem prudent to get out in front of this next wave of technology thinking sooner rather than later.

Ethereum is an open-source, public, blockchain-based distributed computing platform featuring smart contract (scripting) functionality. It provides a decentralized Turing-complete virtual machine, the Ethereum Virtual Machine (EVM), which can execute scripts using an international network of public nodes. Ethereum also provides a cryptocurrency token called "ether", which can be transferred between accounts and used to compensate participant nodes for computations performed.





# RSF Corporation brings combination of Robotics, AI & Blockchain

## Industry Challenge

In an un-automated world, the first response to ensuring compliance throughout the client lifecycle very often involves applying brute force to the problem – i.e. add more headcount to conduct reviews and compliance checks, swamping highly qualified resources with mundane, repetitive and non-value adding tasks.



## Transform Compliance, Data & smooth workflow with Robotics technology

Industries or institutions need to dispense with the traditional business model and embrace a transformative process of re-imagining how compliance, data management and Workflow can be revolutionized and made more efficient.

RSF Coin has created a suite of robotics and artificial intelligences solutions designed to digitalize various Client Lifecycle Management processes to create increased efficiencies and reduce associated regulatory cost pressures.

RSF Coin's Robotic Process Automation (RPA) solutions suite enable industries & institutions to further automate routine, processes, dramatically improving operational efficiencies and resource utilization.

## RSF Coin Blockchain Based, robotics, AI, wireless tech to reshape digital business

We will merge and developed Blockchain, with artificial intelligence, machine learning, robotics, and virtual and augmented reality, have the potential to deliver disruptive outcomes and reshape digital business in 2021 and beyond. And companies that have not started the digital investment cycle are at high risk of being disrupted.

## HOW BLOCKCHAINS COULD TRANSFORM ARTIFICIAL INTELLIGENCE

We did lot of research In recent years, AI (artificial intelligence) researchers have finally cracked problems that they've worked on for decades, from Go to human-level speech recognition. A key piece was the ability to gather and learn on mountains of data, which pulled error rates past the success line.

In short, big data has transformed AI, to an almost unreasonable level.

Blockchain technology could transform AI too, in its own particular ways. Some applications of blockchains to AI are mundane, like audit trails on AI models. Some appear almost unreasonable, like AI that can own itself AI DAOs. All of them are opportunities.

## BLOCKCHAINS AS BLUE OCEAN DATABASES

We can think of blockchains as “blue ocean” databases: they escape the “bloody red ocean” of sharks competing in an existing market, opting instead to be in a blue ocean of uncontested market space. Famous blue ocean examples are Wii for video game consoles (compromise raw performance, but have new mode of interaction), or Yellow Tail for wines (ignore the pretentious specs for wine lovers; make wine more accessible to beer lovers).

By traditional database standards, traditional blockchains like Bitcoin are terrible: low throughput, low capacity, high latency, poor query support, and so on. But in blue-ocean thinking, that's ok, because **blockchains introduced three new characteristics: centralized / shared control, immutable / audit trails, and native assets / exchanges**. People inspired by Bitcoin were happy to overlook the traditional database-centric shortcomings, because these new benefits had potential to impact industries and society at large in wholly new ways.

**These three new “blockchain” database characteristics are also potentially interesting for AI applications.** But most real-world AI works on large volumes of data, such as training on large datasets or high-throughput stream processing. So for applications of blockchain to AI, you need blockchain technology with big-data scalability and querying. Emerging technologies like BigchainDB, and its public network IPDB do exactly that. You no longer need to

compromise on the the benefits of traditional big-data databases in order to have the benefits of blockchains.

## OVERVIEW OF BLOCKCHAINS FOR AI

**Having blockchain tech that scales unlocks its potential for AI applications.** Let's now explore what those might be, by starting with the three blockchain benefits.

### **Why RSF Coin ( A RSF Corporation Initiative)**

## **First Ever: A.I. and Blockchain Combine to Accelerate Robotic Intelligence**

**Until now, A.I. and blockchain have remained separate, however now they are joining forces to accelerate the development of robotic intelligence.**

Article originally posted on Squawker: Become the Counterculture

For the first time ever, Hanson Robotics, the firm behind the Sofia robot, are now integrating two of the hottest topics in the technology field: artificial intelligence and blockchain, to create a cloud based, blockchain based A.I. marketplace where A.I. developers can post and share their work with others to help enhance existing robots and build new ones.

## Our process

# Creating a Blockchain-Based Network of Interoperable Artificial Intelligences

**RSF** Corporation operates on a belief that the benefits of AI, machine Learning and robotic technology should not be dominated by any small set of powerful institutions but should be shared by all. A key goal of RSF Corporation is to ensure the technology is benevolent according to human standards, and the network is being designed to incentivize and reward beneficial players. RSF is developing interoperability standards for AIs, which could radically improve the process of discovering and coordinating AI services, while allowing developers to easily monetize AI technology.

Blockchain-based smart contracts will be central to RSF Corporation, allowing users to combine multiple Robotic technologies to create custom AI stacks. The initial implementation of RSF Corporation will be built on Ethereum, with smart contracts written in Solidity.

RSF Coin is the brainchild of Robotic researcher kimia zhang and robotics designer David miyona, founder of RSF Corporation. The robot ZIA, developed by RSF Corporation, attracted media attention when it was recently granted citizenship in Japan.



At the recent Ethereum Summit in San Francisco, RSF Coin showcased ZIA to demonstrate the power of AI and the potential of incorporating AI and blockchain technology to create a decentralized, open-source, blockchain-powered AI network that operates like, and can be thought of as, a thinking brain.

RSF Coin Corporation is intended as a platform in which an AGI [Artificial General Intelligence] can emerge from the combination of multiple humans and multiple human-created software programs, possessing varying degrees of general intelligence on their own. “It doesn't eliminate the need for fundamental algorithmic work on AGI reasoning and learning and memory, but it provides a context in which such algorithmic work can have a rapid, transformative impact.”

RSF Coin makes a distinction between narrow AI and Artificial General Intelligence (AGI). While narrow AI programs are finding applications in a growing range of industries, they are not effectively integrated into overall AGI systems with general-purpose intelligence like that of humans. Therefore, RSF Coin is persuaded that the next big step in the evolution of AI is going to be the transition from AI to AGI. RSF Coin Corporation wants to support this transition with an open market in which various AI algorithms can cooperate and form new patterns of emergent intelligence.

“The actual design that has been formulated is a quite practical system that is being implemented in quality software code and will serve real corporate customers and become a large and lucrative business,” continued Goertzel. “But at the deepest level, the underlying philosophical and emotional motivations David Hanson and I had for creating RSF Coin Corporation, are trans humanist ones.”

Ultimately, RSF Coin wants to create “a massively trans human, overwhelmingly beneficial Ubermind” that evolves and grows continuously out of human mind and culture.

This emerging super mind, as it grows, will provide ways for people to earn a living and sometimes even generate tremendous wealth, as part of its growth process,” concluded Goertzel. “And it will donate parts of its resources to the common good of all humans, including underprivileged ones, as a way of helping drive its growth forward toward its objectives of joy, growth and choice.”

“A blockchain-based framework designed to serve the needs of AI agents as they interact with each other and with external customers can enable the emergence of a collective intelligence,” notes the draft white paper. “The use of cryptocurrency and blockchain for AI services provides a number of advantages. It allows AI agents to exchange work and subcontract with a high degree of flexibility, and also enables AI-based micro services to be offered to any customer via easily accessible APIs (enabled by smart contracts under the hood).”

RSF Coin, Helia and the RSF Coin Corporation team want to balance long-term visionary thinking with practical market needs and business concerns. In their view, the platform could enable AIs to learn from each other and collaborate, which would be one of the biggest breakthroughs ever in the evolution of AI, causing a subsequent impact on the global AI market, which is projected to grow from \$233.8 billion in 2017 to \$3.1 trillion in 2025.

“From day one, RSF Coin Corporation will offer AI agents,” continues the white paper. “The open design of the network, and the economic incentives, should then encourage additional AI developers to add their own AI nodes via the RSF Coin Corporation API.”

While many nodes will run on powerful supercomputers in the cloud, others will be embedded in Internet of Things (IoT) devices, and humanoid robots like Sophia will be supplied with on-board RSF Coin Corporation nodes. The upcoming RSF Coin Corporation token, details of which haven’t been disclosed yet, will play a central role in the network’s operations.

The project is about to launch an Initial Coin Offering (ICO) to fund the full development of its platform, to be fully deployed in 2021. “This ICO will allow us to start with a bang,” said Goertzel. “We’ll be competing with Google and Facebook...so having a war chest would allow us to take on them more easily.”

## **Area's where our robotic and design may use**

RSF Coin corporation robotic arm can be uses for B2B or B2C purposes

Robots will be very helpful for us human beings for making our life easy, comfortable, and enjoyable. We will get more time for pleasure, enjoyment and other fun activities.

They can be used in the industries, militaries, space and cosmos explorations, research, development and experiments.. etc

### **Robots for social uses:**

1. Robots will help us for our daily life and making relaxing and more fun.
2. They will help in domestic work and activities.
3. They can manage of security, watch homes, and prohibits other unknown person and unwanted things.
4. They can work with nurses in the hospital and can do less skilled activities in the hospitals.
5. They can be in the sell stores, consumers stores, shops, receptions..etc
6. They will help to children in the studies and cramming their lessons and making fun for children.
7. They will work in the hotel, restaurant and bars.....etc
8. They will finally replace car drivers, pilots, other places where pre-loaded or pre-schedules works are done.
9. They will work in the offices and other places for human being which is supposed to be tough, boring, and dangerous for them.

### **Robots for Industrial uses:**

1. They will work in the production line and heavy machinery places.
2. They can run, walk, talk, understand, what to do next step.
3. In the heavy, industries, automobile, consumers industry, services industry will replace large no of people in this field.
4. They will posses quality for work, longer working hours at work places, no complaint, truly follower of instructions, no fighting, no water, no food, no rest, no beak, no entertainment and they work as long as we want to get work done from them.
5. They can meet deadlines, and no breakdown in the work.
6. They will avoid spoiling of articles, goods and productive things.

## **Robots for cosmos and space explorations:**

1. Robots will be in-built artificial intelligence so they can do wise work, skilled work, thinking robots, decision making robots, managing robots in the scientific works and experiments.
2. They will be sent in the outer space (firstly in the moon and mars) for more information and explorations about them hence they can create human habitant and grow colonies, factories and cultivate farms for food and water. In the later time human can reach there for habitation.
3. They can make their own clone, cultivates energy for surviving, and their own essential parts for in the factories, other essential machinery parts for enhancement their skilled and capabilities for more works and keep improving qualities for required projects and works.
4. For these robots there will no need of any things for surviving in the outer space and other celestial bodies except battery and electrical power so these sources can produced in the space from sun which is tremendous sources of all solar system. Human being can only operate from the earth for other planet of solar systems for their own interests and projects.
5. They will used for scientific research, experiments, risky tasks and explorations. There is one prediction by scientific communities that one day our earth planet will lifeless and its reason would be sun because of losing its producing ability to heat or they will become black hole. So in that instance they have become for us mandatory for life to exist and to survive in the universe. As we know that it happened with dinosaurs they disappeared from the earth ( for theme reason was something else like colliding of rocks for mile to earth and after colliding they produces large seismic waves on the earth and this conditions make them impossible to survive on the earth.