

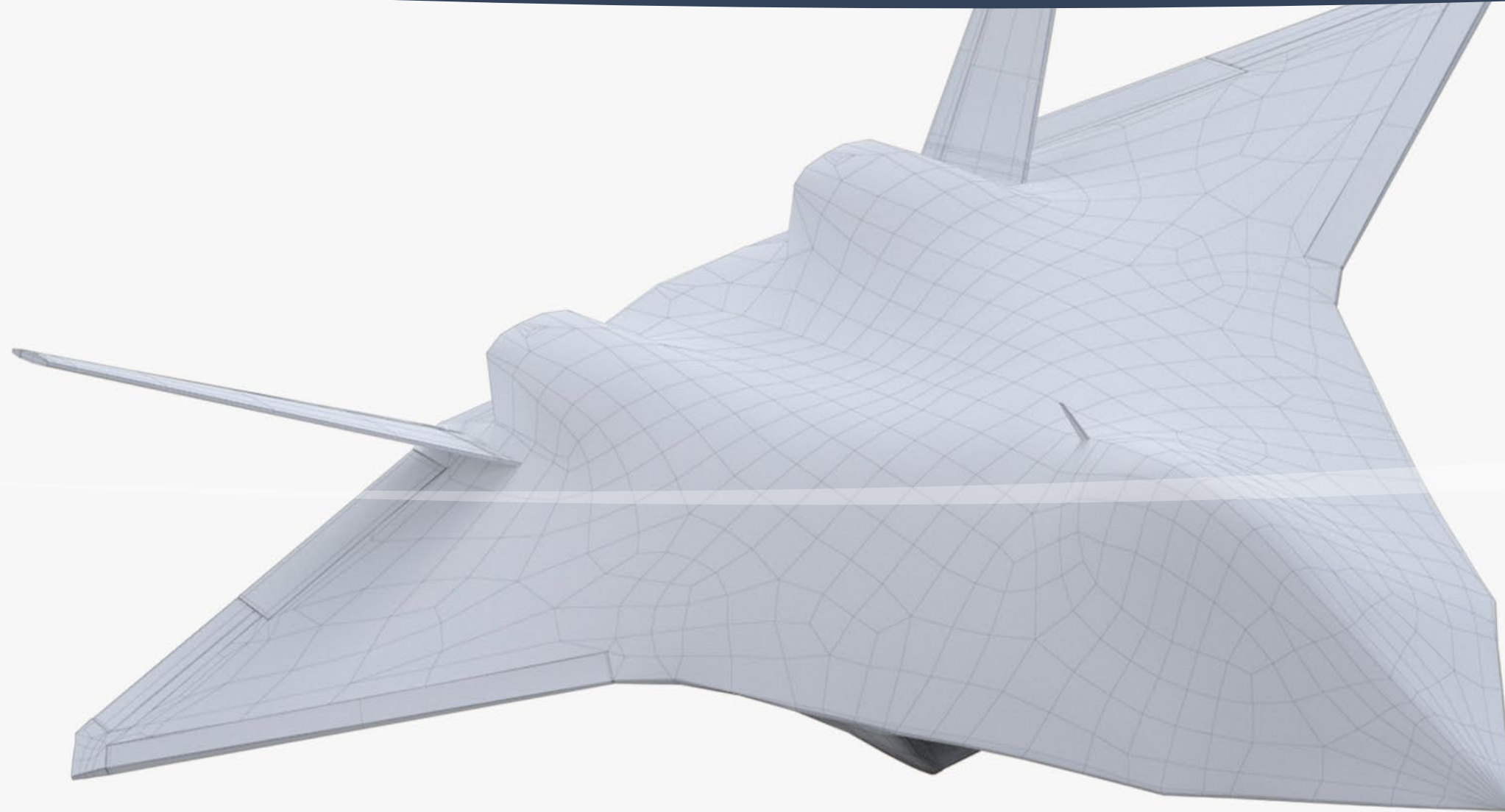
MDs Certified Technology Transfer Offices

- SAMARAE & DANIEL INNOVATION SPECIALISTS INCORPORATED (CANADA)
- KMWSH ENDÜSTRİYEL PROJE SANAYİ VE TİCARET LİMİTED ŞİRKETİ (TÜRKİYE)
- P.T. INDONESIA AIR MOBILITY INDUSTRIES (ASEAN COUNTRIES)

2023 -2025

MD-Consortium www.samaraee-innovations.com

CATCH-UP **INNOVATIONS** - CREATE YOUR FUTURE NOW, WITH MD'S





MD's level of knowledge can Innovate Everything. The more we know about your target we're trying to develop, the more powerful our innovations will be. You don't always have to think big too. Even small changes can be boosting your target and make a difference. MD's can do more via a venture capital, innovation and research. **MD's can Innovate Everything.**

Scientific and Engineering Consortium (MD's): Through catch-up innovation. Disruptive innovation is the introduction of a product or service into an established industry that performs better and, generally, at a lower cost than existing offerings, thereby displacing the market leaders in that particular market space and transforming the industry. Because innovation is arguably THE most important skill you can have via MD's. Every industry requires creativity through the innovation. MD's can utilize all types of innovation within a certain process of management. The results will be great. Each of these categories has a specific value, and a system that combines **all Ten creates robust** and effective innovation. **Product Innovation, Business Model Innovation, Service Innovation, Process Innovation, Technological Innovation, Organizational Innovation, Social Innovations, Marketing Innovation, Sustainable Innovation, Legal innovation.**

- **MD's can help you,** or your status, or your business when uncovering your mission blind spot, in marketing while uncovering blind spots to potential market or consumer shifts. Or any other purposes?
- **Blind spots are unrecognized weaknesses** or threats that can hinder a leader's success. Weaknesses that we know about aren't likely to derail us from our goals. However, the weaknesses that we don't know about are the dangerous ones.
- **At the more extreme end,** your company may have developed a serious strategic blind spot – an area which you have no knowledge of, but which your competitors are rapidly moving on. Addressing these blind spots is essential for building better corporate strategies.

Products and services can fall behind. The Customer retention both suffer without sustaining innovation, a company has to work harder to reach market leader status and gain a majority market share. And without radical or disruptive innovation, a company misses out on massive potential value while risking being disrupted by new methods or technologies. By implementing all nine, **MD's** ensures you a current-term success by optimizing your current products and differentiating them from competitors while also protecting long-term sustainability. Innovation applied properly will be a strategy for both present and future success. Creativity allows us to view and solve problems more openly and with innovation. Creativity opens the mind. A business that has lost touch with its creative side is a suspended business, in that generations of people may be closed minded Without incremental innovation. ... **an example of the technology transfer office at KMWSH.**

MD's can develop and produce appropriate, affordable sustainable solutions and technologies, championing next generation solutions for the biggest technological problems we are facing. Member companies are focused in fields of **Embedded Architecture, Engineering and Technology Innovation, Research and Development,** with a strong socially driven consciousness.

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MD's team of innovators can recognize the strategy that your organization will use to generate revenue, business opportunities, maps out a strategy to move forward and describes the current and anticipated landscape/ resources required to address the opportunity enabled by your innovation. Innovation Commercialization is the process of bringing an idea, product, or service to the mass market and making monetary benefits from it.

Innovation process follows a chain of steps namely idea generation, research, development, licensing, marketing, and monitoring. Innovation is vital to your company's success in today's highly competitive business environment, especially as customers become more demanding and savvier. Entrepreneurs need an edge to survive and stand out. Innovation can provide that edge of boosting your productivity, growth and profitability. Innovation is the cornerstone of sustained economic growth and prosperity. It is the using of new ideas that lead to the making of any new products, services or processes.

An **end-to-end Innovation process**, a solution that manages the full development process of a new product from the start of development through final delivery to customers. Commercialization is 'the process of transforming ideas, knowledge and inventions into greater wealth for individuals, businesses and/or society at large'. Commercialization is a subset of the broader process of innovation. Innovation without monetization means even the most groundbreaking inventions won't continue to see the light of day.

MD's can select the right type of innovation for your specific needs, businesses can increase their chances of success in the marketplace and create long-term value for their customers. It's not enough to simply focus on one type of innovation a comprehensive innovation strategy should incorporate all types to drive growth, improve efficiency, and stay ahead of the competition. Innovation is all about meeting the evolving needs and expectations of customers and bringing value to society, and the jobs to be done theory is a popular approach that can help achieve this goal. By identifying the specific jobs customers hire products or services for, businesses can develop more effective and customer-focused solutions.

MD's Was founded in **1911-1979, by Dawood Alsamaræe, And Since 1980 by Muayad Alsamaræe**, and is a duly registered group of companies and individuals with different, highly specialized skill sets and backgrounds, but all with a common goal of solving emerging world challenges through innovation.

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MEGA PROJECTS (EXAMPLES) INNOVATION OF MD-CONSORTIUM (ONGOING DEVELOPMENT) END-TO-END INNOVATION PROCESS



MDs Experimental Spaceplane program (known as XSAMA 11) aims to build and fly the first of an entirely new class of hypersonic aircraft that would bolster national security by providing short-notice, low-cost access to space. The program aims to achieve a capability well out of reach today—launches to low Earth orbit in days, as compared to the months or years of preparation currently needed to get a single satellite on orbit. Success will depend upon significant advances in both technical capabilities and ground operations, but would revolutionize the Nation’s ability to recover from a catastrophic loss of military or commercial satellites, upon which the States today is critically dependent. If successful, the program would enable a commercial service that could operate at an achievable flight rate and with recurring costs of as little as \$3 million or less per launch, including the cost of an expendable upper stage—a small fraction of the cost of launch systems the military currently uses for similarly sized payloads. (Beyond actual cost, commercial price would be determined. in part by market forces.) We are talking about the acquired right, and achievements, designs, intellectual property and patents, all with high value, over US \$ 1billion.



MDs aerospace & Defense industries, encompasses the manufacture of a wide range of aircraft and spacecraft products (including passenger and military aeroplanes, helicopters, and gliders, as well as spacecraft, launch vehicles, satellites, and other space-related items). The development of the aerospace high-tech industry is closely related to military applications. New Technology Trends in The Aerospace Industry: According to Advanced Manufacturing, new manufacturing technologies will help the aerospace industry to embrace a brighter future: advanced design technologies, digital assistants, augmented reality (AR) and virtual reality (VR), new manufacturing materials, collaborative robots, and advanced computing capabilities. Indirectly MDs won the industries its ISR aircraft so approved by the [United States Army Aviation and Missile Command](#) which bought a squadron of the [SAMA CH2000 aircraft](#), [visit the US Air Force website](#), Since 2004 via JAIs. The company was registered several ([patents in the European Union](#)) for Reconnaissance, surveillance, and target acquisition (RSTA), is a type of unit in the Army, adopted by the Jordanian counter-terrorism battalion (71) in its work and participation in the [international warrior competition](#), also JAI designed and manufactured Covert intelligence platforms adopted by the General Intelligence Directorate, and funded its industry and proved Platforms are efficient. The company has won contracts to build several aircraft factories with the region countries. We are talking about the acquired right, and achievements, designs, intellectual property and patents, all with high value, over US \$ 0.7 billion.



MDs, Urban Air Mobility (UAM), a safe and efficient aviation transportation system that will use highly automated aircraft that will operate and transport passengers or cargo at lower altitudes within urban and suburban areas. Developing a sustainable UAM requires an integrated approach based on the three main pillars: The Aerial Vehicle Technology, the UAM Infrastructure, and the Business Model to operate and finance it. While UAM may be enabled by the convergence of several factors, several challenges such as: community acceptance, safety, social equity, issues around planning and implementation, airspace, and operations. By the Urban Air Mobility (UAM), your moving will never stop. We're here now at the dawn of a new age of travel, ready to take the next steps. It may seem like science fiction right now, but perhaps in only a few years this type of travel will be as commonplace as getting in your car is to you today. With the help of many thousands of engineers and planners at NASA and abroad like IAMI's innovators, this science fiction may soon be science fact. The Sustainable Urban Transport plan of IAMI's, addresses the key areas of sustainable transport policy framework for a developing country. IAMI's will start to Design, and Manufacturing all the Products and Items of Urban Air Mobility (UAM), which is a subset of Advanced Air Mobility (AAM) and focuses on lower altitude operations within urban and suburban areas. Urban air mobility (UAM): Air transportation vehicles with ranges of less than 100km, mainly used in urban environments. The global urban air mobility market is expected to grow at a CAGR of around 15.4% during 2022-2028. MD's ongoing to developing a solution can solve all these challenges. We are talking about the acquired right, and achievements, designs, intellectual property and patents, all with high value, over US \$ 1billion.



MD's, Naval Innovation Catch-up Cycle: Optionally piloted aircraft or Uncrewed aerial systems have become one of the most researched and pursued military technologies from the past decade and the market for drones and UAVs has grown exponentially. Unmanned maritime systems (UMSs) have evolved over the years as navies from different countries endeavor to create new ways of completing tasks that would be dangerous to humans. For instance, the U.S. Navy is focused on enhancing the autonomous capabilities of unmanned maritime vehicles to minimize human involvement and the associated risks together with advancing its war-fighting capabilities. The unparalleled increase in computing power that is being witnessed contemporarily will play an important role in the future of ensuring autonomy in unmanned maritime systems. TSAMA E series as an Advancing Autonomous Systems. ... Specifically, MD's Development project of TSAMA E Series, focus on the future fleet architecture of unmanned maritime vehicles, both unmanned surface vehicles, and unmanned undersea vehicles, and their autonomous capabilities. Improving the autonomy of TSAMA E Series, would ensure its safety and better their operational abilities. This development improves the autonomy of such vehicles together with facilitating the ability to accomplish their missions as singular entities without having to rely on other platforms. Additionally, the future TSAMA's E series will have the ability to collect intelligence and data in restricted areas. Currently, the available space-based surveillance systems have unlimited capacities to access data from some areas. TSAMA - VTOL Submersible Modular Aircraft, Future Vertical Lift (FVL), Optionally Piloted Aircraft (OPA). ... The TSAMA - (T)andem Ducted-fans, (S)Submersible, (A)Amphibious, (M)Modular Standalone-Units, (A)Artificial Intelligence Ability, project contains more than 17 innovations as a strategic intellectual property related to TSAMA submersible aircraft, has been innovating, the development started from 2003 and will be ready for service in 2027. ... It should be noted that these are unexpensive aircraft, it will not take a number of years to accumulate a significant number of TSAMA aircraft. MD's ongoing to developing a solution can solve all these challenges. We are talking about the acquired right, and achievements, designs, intellectual property and patents, all with high value, over US \$ 1billion.



STEM innovation

STEM INNOVATION

MD's, SamaSTEM toys with separate pieces that kids have to put together are building toys. Some pieces click together, interlock, snap into each other, link together, etc. Building education at SamaSTEM is about building, shaping and manipulating things to create something new. It combines many building skills and helps kids develop a whole host of new skills for real construction.

The Psychological Significance of Home For many, home is home, the place where we define ourselves - where we believe in ourselves. We use our homes to differentiate ourselves—an external, objective reality that reflects our internal, subjective living experience—and so issues can make a real difference. Building a house allows people to create a sense of security. Building is the act of self-expression, mentally and physically. This self-expression makes us more resilient to stress. Feeling in control. Every decision we make increases our sense of personal efficacy, and the experience of efficacy is endlessly satisfying.

Psychological Benefits of SamaSTEM: The building toy is useful for building social skills and building trust in others because it functions as a collaborative task where individuals have to cooperate to finish the task of building a real home with SamaSTEM A building set from SamaSTEM is a set of standard pieces that allow the construction of a variety of different models. Custom parts avoid the manufacturing lead time, and require special training or design time to create complex systems. This makes them suitable for real life scale structures, or for use as educational toys for all ages. The new brand is SamaSTEM.

Building play is also beneficial for children with autism when individual and group play are combined using building blocks. Autistic children who played with building blocks were motivated to initiate social contact with children their own age, were able to maintain and tolerate contact with these children, and were also able to overcome barriers of withdrawal and higher organization. In addition to teaching architectural concepts, SamaSTEM can teach real modular construction and load-bearing construction, as a common language for all ages of individuals and architects with playgroup influences on their knowledge of actual building design.

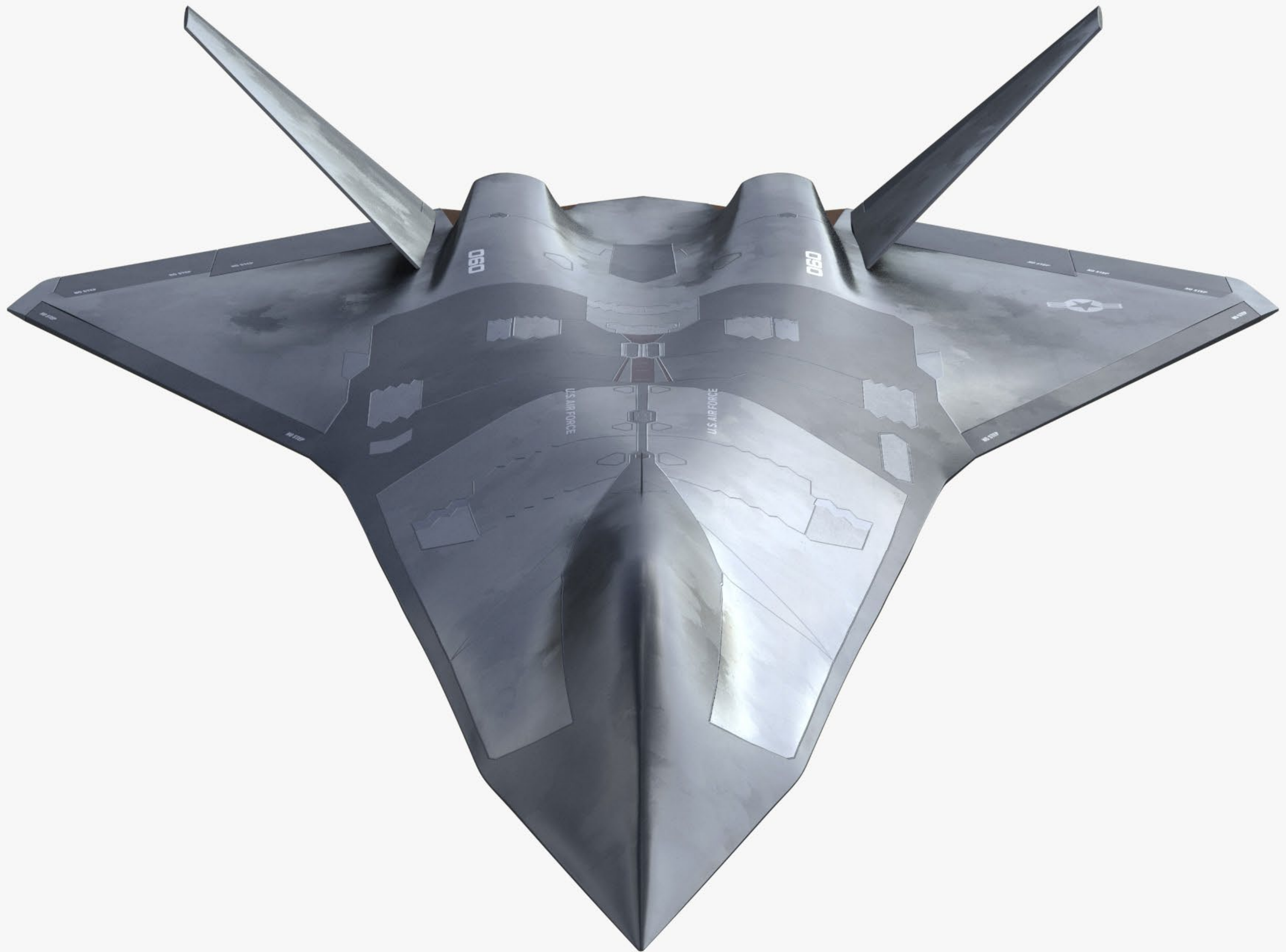
The MD's have expanded the uses of SamaSTEM to include the possibility of building pyramids and walls similar to the Great Wall of China. The MD's devised a solution to prevent the historical identity from being erased due to the destruction of monuments by terrorists. There are several terrorist operations carried out by destroying many archaeological sites and sculptures in Iraq. Including those included in the UNESCO World Heritage List.



MD has revolutionary ideas in developing everyone's intelligence by finding easy solutions that can be applied on the floor in a completely identical way, something that is not available in all other STEM toys in the world. There must be real solutions for education programs must rise.


MD, created a new principle that allows transforming the game of chess from a combat game that leads to the loss of one of the parties, to an individual or team game, which gives victory to all players, but within equal or varying limits. Scored according to their intelligence and personal perseverance abilities, within a fair challenge that maintains the display of each individual (player's) realistic abilities. We are talking about birthrights, achievements, designs, intellectual property and patents, all of which are highly valued in excess of one billion US dollars.


Scientific and Engineering Consortium (MD's)


- **Collaboration:** We're convinced that truly great things happen when people come together to find solutions to the challenges they face.
- **Ingenuity:** We believe there is always a better or faster way of doing things and we apply this to everything we do.
- **Transparency:** We're always honest with our customers and we expect the same in return.
- **What do we do:** We provide organizations all over the world with an end-to-end innovation solution. This includes a cutting-edge ecosystem of MD's products, solutions, and systems. dedicated customer success support and guidance, and an extended portfolio of supporting partner services. No matter what innovation challenge you're facing, we can help you overcome it and start delivering impact across your mission path. Our customers see a wide range of benefits, from new products and services, to improved processes, engaged employees, satisfied customers, and much, much more.
- **Why do we do it:** Innovation is the ultimate catalyst for progress, not just on a Business-level but for the entire human race. We're motivated by the fact that a single good idea can change the world for the better, and we're contributing towards this every day. This isn't only something we report about. MD's team practice a culture of innovation.
- **The Most Intelligent & Powerful Features:** Our products are packed with the most cutting-edge tools and capabilities to make your process as effective and efficient as possible. Plus, we listen to our customers and we're constantly gathering feedback to refine and enhance our offering.
- **A Comprehensive Ecosystem of Products:** Not only do we offer a suite of products dedicated to your specific innovation challenges, but these products are all seamlessly interconnected. This adds up to an innovation management ecosystem that is truly greater than the sum of its parts.
- **Flexibility and Scalability:** With MDs you can start small with a solution that fits your immediate needs, and gradually scale as those needs evolve. Our intuitive self-admin functionality allows you to easily tailor the system to your requirements over time.
- **Unmatched Customer Success & Expertise:** We're proud of our innovative solutions, systems, products, and services. We're proud of MD's innovators and experts. With decades of combined experience working with the world's most innovative clients since 1911, we have an unparalleled wealth of expertise, insights, and best practices – ready and waiting for you.




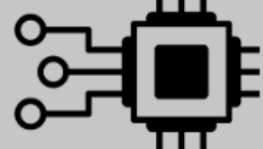
  **ABOUT US** Innovating with MDs, as your innovation partner, can bring you many benefits, helping you expand your horizons, enter new areas, acquire new technologies and subject matter experts.


 Space Innovation


 A & D innovation


 AAM innovation


 Naval innovation


 Embedded Innovation



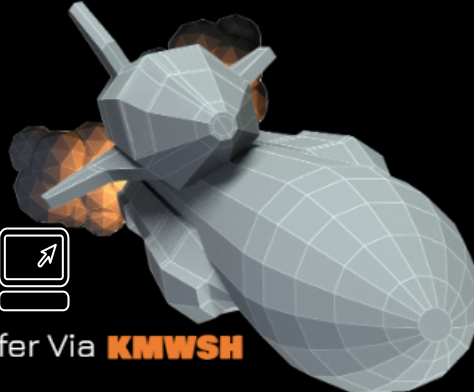
 STEM innovation



 Hexagon Innovation

 Biotech Innovation

 Immune Innovation

 Agro Innovation

  Technology Transfer Via **KMWSH** 

 *Munayad Alshamrani* 



CLICK ON THE ICON TO DOWNLOAD THE TSAMA AIRCRAFT FEATURES FILE

