



**SERTEK**

**EXHIBITIONS**

**THE QUR'AN AND SCIENCE  
TRAVELLING EXHIBITION**



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

They said, "Exalted are You; we have no knowledge  
except what You have taught us.

Indeed, it is You who is the Knowing, the Wise."

Al-Baqarah, 32

## THE QUR'AN AND SCIENCE EXHIBITION

World's first travelling exhibition presenting scientific miracles  
in the Holy Qur'an through interactive experiences.



## EXECUTIVE SUMMARY

Qur'an and Science is the first interactive exhibition in the history of mankind narrating science through the lens of Qur'an.

The exhibition aims to contribute science communication and informal science education through interactive exhibits by narrating the laws of physics, practices of chemistry, wonders of biology, and observations on astronomy. In the meantime, the exhibit brings to light how the scientific concepts presented in this exhibition are also foundations intertwined in the story of Islam.

The exhibition presents scientific laws in dialogue with Qur'an and as foundations for Tawhid, a dialogue which will be achieved by co-presenting the verses from the Holy Qur'an and their reflections presented on the Universe, Earth and living things.

The exhibition explores the long standing connection between Islam and science, which will be clearly presented to the visitors through interactive exhibits.

Ahmet Özçelik  
Chairman  
Sertek Exhibitions



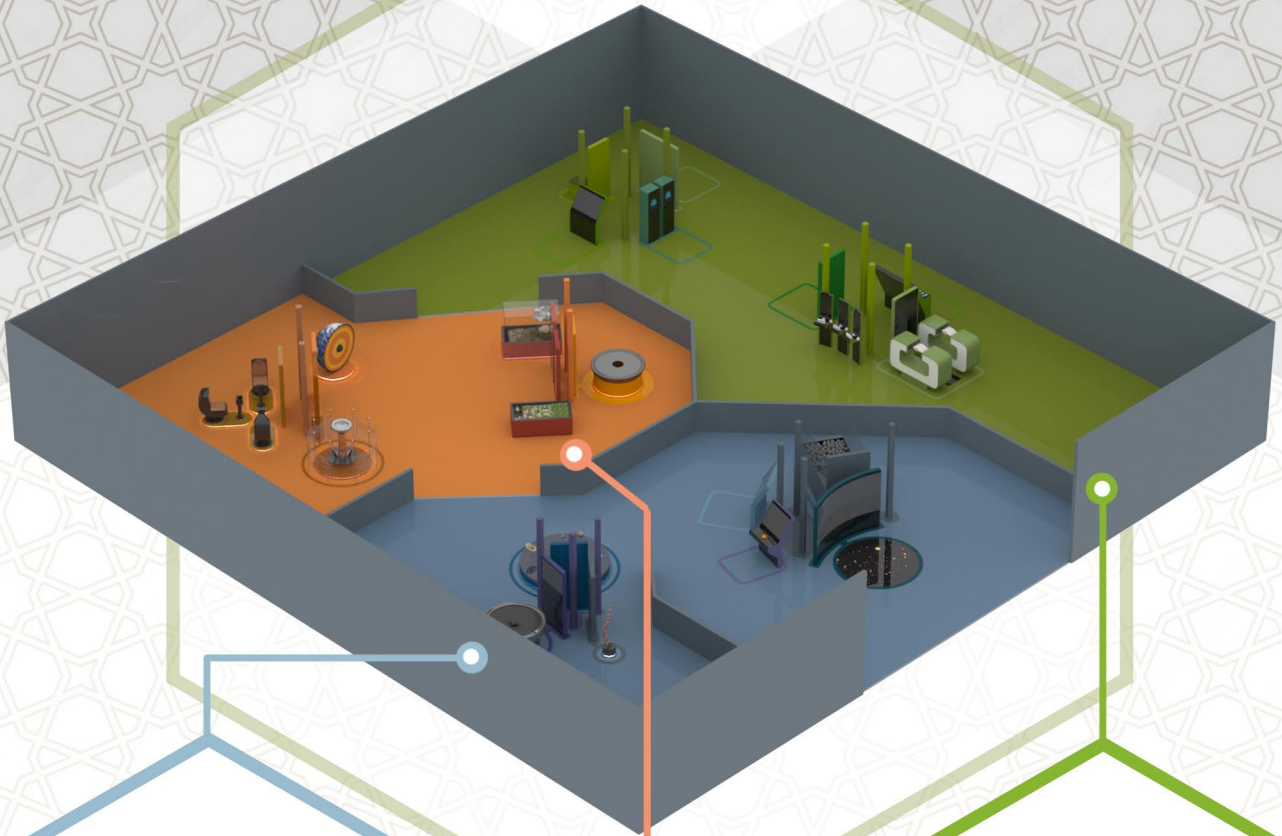


# The Qur'an and Science Exhibition





# The Qur'an and Science Exhibition (500 sqm)



## Sub-theme 1 Deep in the Space (150 sqm)

- The Creation of the Universe
- What if?
- Iron Mystery
- Orrery
- From Quarks to the Universe
- Black Holes
- The Moon's Orbit

## Sub-theme 3 Life (200 sqm)

- Seeds
- The Flight of Birds
- Biomimetics
- The Creation of Humans
- Golden Ratio
- Identity on the Fingertips
- Mathematics in Qur'an
- Mentor Robot

## Sub-theme 2 Our World (150 sqm)

- Barrier Between Two Seas
- Heavy Clouds
- The Rain
- Lightning Bolts
- Earth's Layers
- The Mountains



**Sub-theme 1: Deep in the Space (150 sqm)**



The Creation of the Universe



The Moon's Orbit



What if?



Iron Mystery



Orrery



From Quarks to the Universe



Black Holes





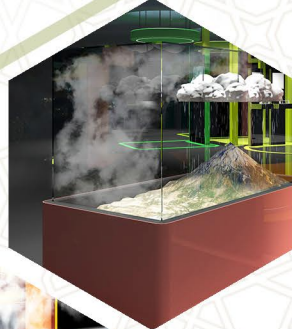
**Sub-theme 2 : Our World (150 sqm)**



Earth's Layers



The Rain



Barrier Between Two Seas



Heavy Clouds



The Mountains



Lightning Bolts





### Sub-theme 3 : Life (200 sqm)



Biomimetics



Seeds



The Creation of Humans



The Flight of Birds



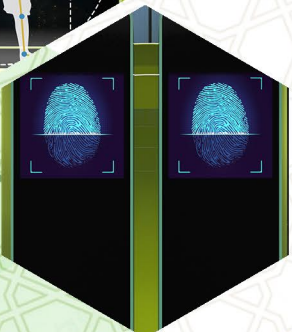
Golden Ratio



Mentor Robot



Identity on the Fingertips



Mathematics in Qur'an





## The Creation of the Universe



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

بَدِيعُ السَّمَوَاتِ وَالْأَرْضِ وَإِذَا قَضَىٰ أَمْرًا فَإِنَّمَا يَقُولُ لَهُ كُنْ فَيَكُونُ.

""Originator of the heavens and the earth. When He decrees a matter, He only says to it, "Be," and it is.""  
(Al-Baqara, 117)"

The Creation of the Universe describes the concepts of astronomy such as the big bang, the expanding universe, and the big crunch as mentioned in Holy Quran.

## What if?



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

الَّذِي خَلَقَ سَبْعَ سَمَاوَاتٍ طِبَاقًا مَا تَرَىٰ فِي خَلْقِ الرَّحْمَنِ مِن تَفَٰوُتٍ فَارْجِعِ الْبَصَرَ هَلْ تَرَىٰ مِن فُطُورٍ. ثُمَّ ارْجِعِ الْبَصَرَ كَرَّتَيْنِ يَنقَلِبْ إِلَيْكَ الْبَصَرُ خَاسِئًا وَهُوَ حَسِيرٌ.

""[And] who created seven heavens in layers. You do not see in the creation of the Most Merciful any inconsistency. So return [your] vision [to the sky]; do you see any breaks? Then return [your] vision twice again. [Your] vision will return to you humbled while it is fatigued.""  
(Al-Mulk, 3-4)"

What if? exhibit deals with precise balances at the macro level that our Creator has been implementing in universe.



## Iron Mystery



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

لَقَدْ أَرْسَلْنَا رُسُلَنَا بِالْبَيِّنَاتِ وَأَنْزَلْنَا مَعَهُمُ الْكِتَابَ وَالْمِيزَانَ لِيَقُومَ النَّاسُ بِالْقِسْطِ وَأَنْزَلْنَا الْحَدِيدَ فِيهِ بَأْسٌ شَدِيدٌ وَمَنَافِعُ لِلنَّاسِ وَلِيَعْلَمَ اللَّهُ مَنْ يَنْصُرُهُ وَرُسُلَهُ بِالْغَيْبِ إِنَّ اللَّهَ قَوِيٌّ عَزِيزٌ.

""We have already sent Our messengers with clear evidences and sent down with them the Scripture and the balance that the people may maintain [their affairs] in justice. And We sent down iron, wherein is great military might and benefits for the people, and so that Allah may make evident those who support Him and His messengers unseen. Indeed, Allah is Powerful and Exalted in Might.""  
(Al-Hadid, 25)"

Iron Mystery is about the discovery of iron by scientists in the last decades, which was cited in the Qur'an-ı Hakîm, which was revealed centuries ago, as an element "sent down".

## Orrery



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَالسَّمَاءِ ذَاتِ الْحُبُوبِ.

""By the heaven containing pathways.""  
(Adh-Dhaariyat, 7)"

The orbitals concerns the concept of the orbit that was introduced by the scientists of the 1600s and cited in the Holy Qur'an clearly centuries before 1600s.



## "From Quarks to the Universe"



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

وَقَالَ الَّذِیْنَ كَفَرُوا لَا تَأْتِنَا السَّاعَةُ قُلْ بَلَىٰ وَرَبِّی لَتَأْتِیَنَّكُمْ عَالِمِ الْغَیْبِ لَا یَعْرُبُ عَنْهُ مِثْقَالُ ذَرَّةٍ فِی السَّمٰوٰتِ وَلَا فِی الْاَرْضِ وَلَا اَصْغَرُ مِنْ ذٰلِكَ وَلَا اَكْبَرُ اِلَّا فِی كِتٰبٍ مُّبِیْنٍ

""Not absent from Him is an atom's weight within the heavens or within the earth or [what is] smaller than that or greater, except that it is in a clear register.""  
(Saba, 3)"

From Quarks to the Universe compares creatures in sizes ranging from  $10^{-30}$  -  $10^{30}$  in the light of verses from the Holy Qur'an and aims at leading individuals to comprehend their vulnerability.

## Black Holes



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

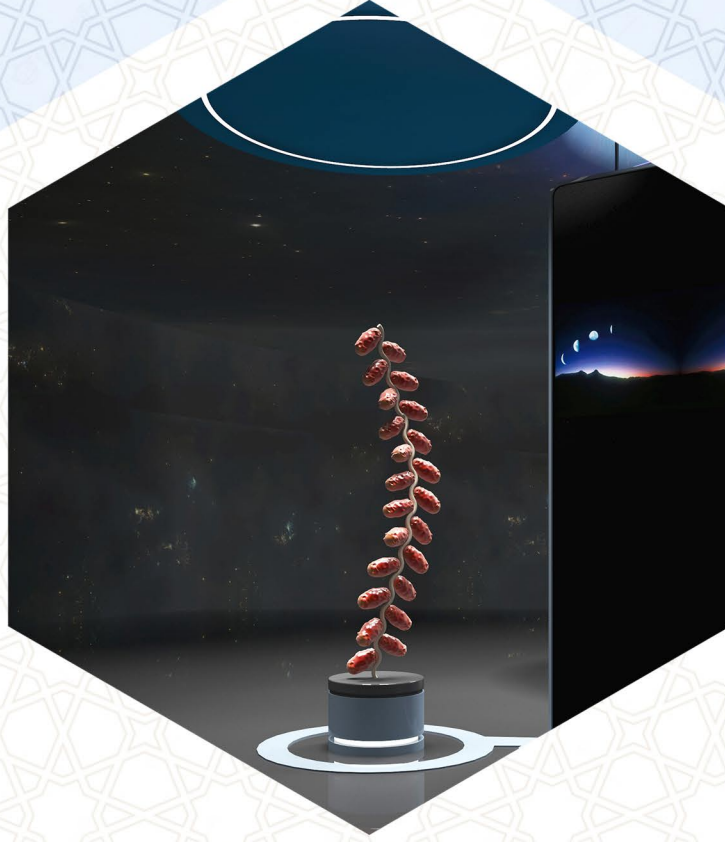
فَلَّا اُقْسِمُ بِالْخُنُوسِ. الْجَوٰرِ الْكُنُوسِ.

""So I swear by the retreating stars - Those that run [their courses] and disappear -""  
(At-Taqwir, 15-16)"

Black Holes deal with the universal gravitation law, one of the laws of Almighty Allah, via the relevant verses from the Holy Qur'an.



## The Moon's Orbit



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
وَالْقَمَرَ قَدَرْنَا مَنَازِلَ حَتَّىٰ عَادَ كَالْعُرْجُونِ الْقَدِيمِ.

""And the moon - We have determined for it phases, until it returns [appearing] like the old date stalk.""  
(Yaseen, 39)""

The Moon's Orbit describes the motion of the Moon in the form of an oblique "S", which is likened to a dry palm branch in the Holy Qur'an.



## Barrier Between Two Seas



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

مَرَجَ الْبَحْرَيْنِ يَلْتَقِيَانِ. بَيْنَهُمَا بَرْزَخٌ لَا يَبْغِيَانِ.

""He released the two seas, meeting [side by side]; Between them is a barrier [so] neither of them transgresses.""  
(Ar-Rahmaan, 19-20)"

Barrier Between Two Seas, in the light of the relevant verses, displays the fact that the Mediterranean and the Atlantic Ocean do not mix because of the difference between the surface tensions via a virtual reality experience.

## Heavy Clouds



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

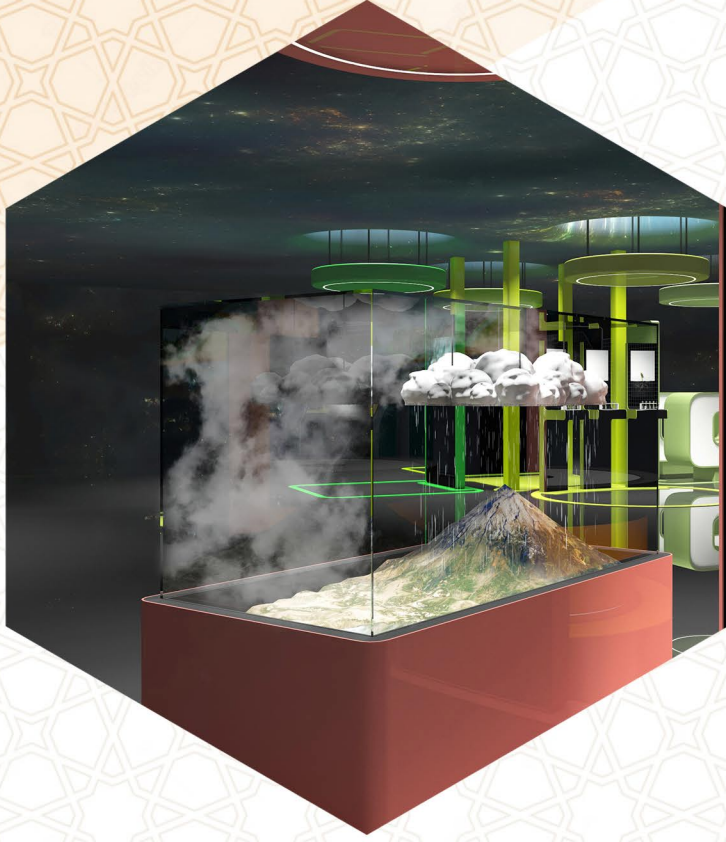
وَهُوَ الَّذِي يُرْسِلُ الرِّيحَ بُشْرًا بَيْنَ يَدَيْ رَحْمَتِهِ حَتَّىٰ إِذَا أَقَلَّتْ سَحَابًا ثِقَالًا سُفِنَاهُ لِبَلَدٍ مَّيِّتٍ فَأَنْزَلْنَا بِهِ الْمَاءَ فَأَخْرَجْنَا بِهِ مِنْ كُلِّ الثَّمَرَاتِ كَذَٰلِكَ نُخْرِجُ الْمَوْتَىٰ لَعَلَّكُمْ تَذَكَّرُونَ.

""And it is He who sends the winds as good tidings before His mercy until, when they have carried heavy rainclouds, We drive them to a dead land and We send down rain therein and bring forth thereby [some] of all the fruits. Thus will We bring forth the dead; perhaps you may be reminded.""  
(Al-A'raaf, 57)"

Heavy Clouds exhibit displays how heavy the clouds are, even though they appear to be very light in the context of the corresponding verse from the Holy Qur'an.



## The Rain



### بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

اللَّهُ الَّذِي يُرْسِلُ الرِّيَّاحَ فَتُثْبِرُ سَحَابًا فَيَنْسُطُهُ فِي السَّمَاءِ كَيْفَ يَشَاءُ وَيَجْعَلُهُ كِسْفًا فَتَرَى الْوَدْقَ يَخْرُجُ مِنْ خِلَالِهِ فَإِذَا أَصَابَ بِهِ مَنْ يَشَاءُ مِنْ عِبَادِهِ إِذَا هُمْ يَسْتَبْشِرُونَ.

""It is Allah who sends the winds, and they stir the clouds and spread them in the sky however He wills, and He makes them fragments so you see the rain emerge from within them. And when He causes it to fall upon whom He wills of His servants, immediately they rejoice.""

(Ar-Room, 48)"

The Rain is an extinguishing compound composed of flammable hydrogen and the the burning oxygen, which is sent down by Allah.

## Lightning Bolts



### بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

أَلَمْ تَرَ أَنَّ اللَّهَ يُزْجِي سَحَابًا ثُمَّ يُؤَلِّفُ بَيْنَهُ ثُمَّ يَجْعَلُهُ رُكَامًا فَتَرَى الْوَدْقَ يَخْرُجُ مِنْ خِلَالِهِ وَيُنَزِّلُ مِنَ السَّمَاءِ مِنْ جِبَالٍ فِيهَا مِنْ بَرَدٍ فَيُصِيبُ بِهِ مَنْ يَشَاءُ وَيَصْرِفُهُ عَنِ مَنْ يَشَاءُ يَكَادُ سَنَا بَرْقِهِ يَذْهَبُ بِالْأَبْصَارِ.

""Do you not see that Allah drives clouds? Then He brings them together, then He makes them into a mass, and you see the rain emerge from within it. And He sends down from the sky, mountains [of clouds] within which is hail, and He strikes with it whom He wills and averts it from whom He wills. The flash of its lightning almost takes away the eyesight.""

(An-Noor, 43)"

Lightning Bolts are presented with the verses from Qur'an describing its connection with other weather events.



## Earth's Layers



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

اللَّهُ الَّذِي خَلَقَ سَبْعَ سَمَاوَاتٍ وَمِنَ الْأَرْضِ مِثْلَهُنَّ يَتَنَزَّلُ الْأَمْرُ بَيْنَهُنَّ لِتَعْلَمُوا أَنَّ اللَّهَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ وَأَنَّ اللَّهَ قَدْ أَحَاطَ بِكُلِّ شَيْءٍ عِلْمًا.

""It is Allah who has created seven heavens and of the earth, the like of them. [His] command descends among them so you may know that Allah is over all things competent and that Allah has encompassed all things in knowledge.""  
(At-Talaaq, 12)"

Earth's Layers deals with the fact that the Qur'an introduced the seven layers of the earth's crust many centuries ago.

## The Mountains



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

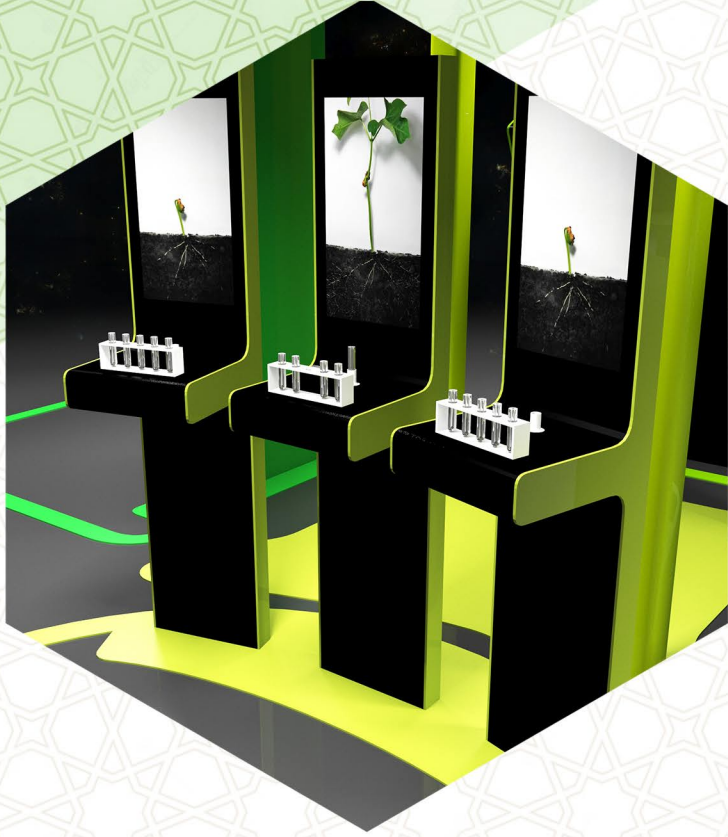
أَلَمْ نَجْعَلِ الْأَرْضَ مِهَادًا. وَالْجِبَالَ أَوْتَادًا.

""Have We not made the earth a resting place? And the mountains as stakes?""  
(An-Naba, 6-7)"

The Mountains describe the possible consequences of the absence of the basic pillars that provide the balance of the earth's crust in the light of the relevant verse.



## Seeds



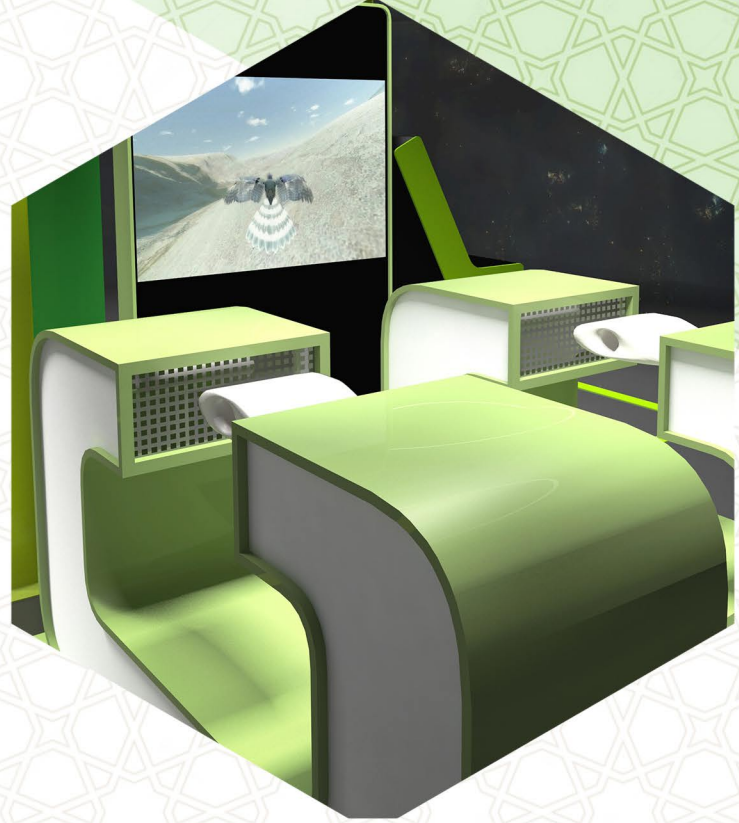
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

إِنَّ اللَّهَ قَالِقُ الْحَبِّ وَالنَّوَى يُخْرِجُ الْحَيَّ مِنَ الْمَيِّتِ وَمُخْرِجُ الْمَيِّتِ مِنَ الْحَيِّ ذَلِكَمُ اللَّهُ فَأَنَّى تُؤْفَكُونَ.

""Indeed, Allah is the cleaver of grain and date seeds. He brings the living out of the dead and brings the dead out of the living. That is Allah; so how are you deluded?""  
(Al-Anaam, 95)"

Seeds describe the processes of distinguishing inanimate cores from lifeless grains, the germination of inanimate elements, the death of a germinating seeds, and the subsequent creation of a living plant in the light of the related verse.

## The Flight of Birds



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

أَلَمْ يَرَوْا إِلَى الطَّيْرِ مُسَخَّرَاتٍ فِي جَوْ السَّمَاءِ مَا يُمْسِكُهُنَّ إِلَّا اللَّهُ إِنَّ فِي ذَلِكَ لَآيَاتٍ لِقَوْمٍ يُؤْمِنُونَ.

""Do they not see the birds controlled in the atmosphere of the sky? None holds them up except Allah. Indeed in that are signs for a people who believe.""  
(An-Nahl, 79)"

The Flight of Birds reveals the miracles of the anatomical and aerodynamic nature of the birds' wings in the light of the relevant verse.



## Biomimetics



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

وَإِنَّ لَكُمْ فِي الْأَنْعَامِ لَعِبْرَةً لِّسُقْيِكُمْ مِمَّا فِي بُطُونِهَا وَلَكُمْ فِيهَا مَنَافِعٌ كَثِيرَةٌ وَمِنْهَا تَأْكُلُونَ.

""And indeed, for you in livestock is a lesson. We give you drink from that which is in their bellies, and for you in them are numerous benefits, and from them you eat.""  
(Al-Muminoon, 21)"

Biomimetics provides technologies developed by humans by imitating the nature as suggested in the Qur'an.

## The Creation of Humans



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

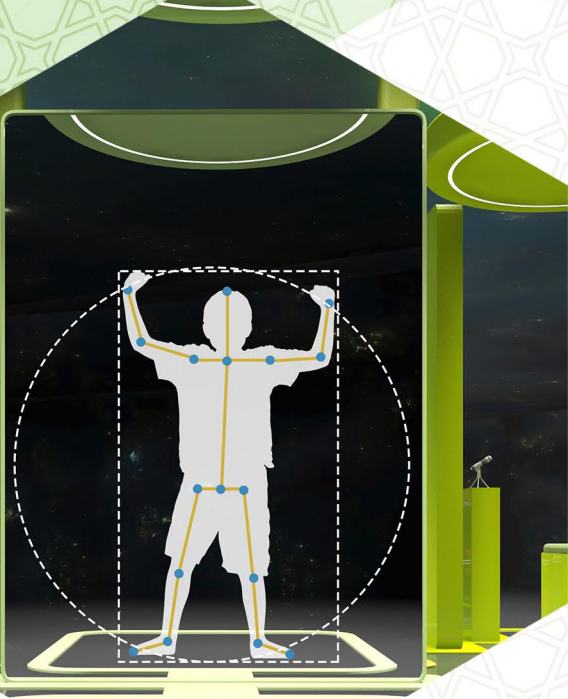
أَلَمْ يَكُ نُطْقَةً مِنْ مَنِيٍّ يُُمْنَىٰ. ثُمَّ كَانَ عَلَقَةً فَخَلَقَ فَسَوَّىٰ.

""Had he not been a sperm from semen emitted? Then he was a clinging clot, and [Allah] created [his form] and proportioned [him].""  
(Al-Qiyama, 37-38)"

The Creation of Humans exhibit depicts the process of creation of human beings from a drop of water to development of the organs in the mother's womb, as mentioned in the Holy Qur'an centuries ago.



## Golden Ratio



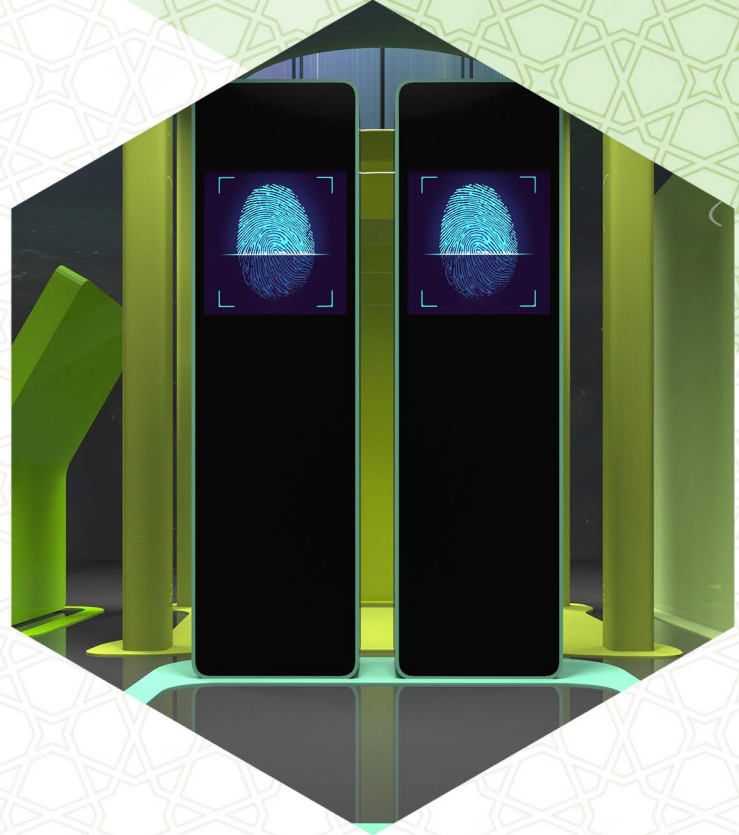
بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

اَللّٰہِ لَہٗ مُلْکُ السَّمٰوٰتِ وَالْاَرْضِ وَلَمْ یَتَّخِذْ وَلَدًا وَلَمْ یَکُنْ لَہٗ شَرِیْکٌ فِی الْمُلْکِ وَخَلَقَ کُلَّ شَیْءٍ فَعَدَدَہٗ تَقْدِیْرًا.

""He to whom belongs the dominion of the heavens and the earth and who has not taken a son and has not had a partner in dominion and has created each thing and determined it with [precise] determination.""  
(Al-Furqaan, 2)"

Golden Ratio exhibit describes the creation of mankind in a perfect manner and according to a measure in the light of the relevant verse.

## Identity on Fingertips



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

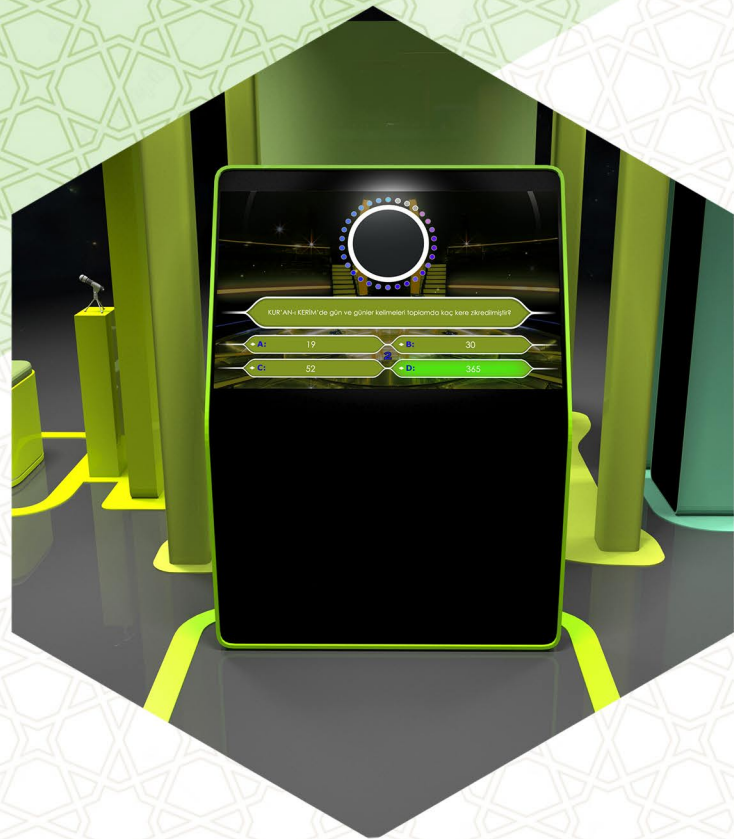
بَلٰی قٰدِرِیْنَ عَلٰی اَنْ نُّسَوِّیَ بَنٰنَہٗ.

""Yes. [We are] Able [even] to proportion his fingertips.""  
(Al-Qiyaama, 4)"

Identity on Fingertips exhibit presents the fact that the fingerprints of each of the billions of people in the past were unique in the context of the relevant verse.



## Mathematics in Qur'an



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ  
عَلَيْهَا تِسْعَةَ عَشْرَ.

""Over it are nineteen [angels].""  
(Al-Muddaththir, 30)"

Mathematics in Qur'an presents mathematical coincidences found in Qur'an in the light of the related verses by means of matching and testing methods.

## Mentor Robot



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ  
قَالُوا سُبْحٰنَكَ لَا عِلْمَ لَنَا اِلَّا مَا عَلَّمْتَنَا اِنَّكَ اَنْتَ الْعَلِیْمُ الْحَكِیْمُ.

""They said, Exalted are You; we have no knowledge except what You have taught us. Indeed, it is You who is the Knowing, the Wise.""  
(Al-Baqarah, 32)"

Mentor Robot is a virtual avatar with semi-AI that asks questions about the Qur'an and science, and answers the questions accordingly.



## SERTEK Exhibitions

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