: QUELLE : http://www.schema3.org/project/solaris/coop_public_saudi-vision_20260812_en.pdf :

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Godelhausen, August 12, 2026

Embassy of Saudi Arabia

Tiergartenstrasse 33-34
10785 Berlin

Ihr Zeichen : Your Sign : Su referencia :

Saudi Vision 2030
NEOM – The Line
Unser Zeichen : Our sign : Nuestra referencia :

PATENT SAND + SOLARIS

To

His Royal Highness

Prince Abdullah bin Khaled bin Sultan bin Abdulaziz Al Saud

Ambassador of the Guardian of the Two Holy Mosques to the Federal Republic of Germany

and

His Royal Highness

Prince Mohammed bin Salman bin Abdulaziz Al Saud

Crown Prince, Prime Minister and Chairman of the Council for Economic and Development of the Kingdom of Saudi Arabia

Your Royal Highnesses,

In awareness of man's responsibility before the one Creator and in the shared obligation of all peoples to preserve the creation entrusted to us, this letter is presented with sincere respect.

Cooperation request

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Strategic partnership between Saudi Vision 2030 and the Solaris project

I have studied the Saudi Vision 2030 and the resulting initiatives and megaprojects of the Kingdom with great attention. In doing so, I have become convinced that there is an extraordinary alignment between the strategic objectives of your vision and the SOLARIS project I developed.

Saudi Vision 2030 represents the determined transformation of a country that wants to further develop its economic strength, its scientific innovation and its international responsibility equally.

The SOLARIS project pursues a complementary approach. It combines methods for stabilizing arid soils, sustainable water extraction, solar thermal energy, automated infrastructure development, and the long-term mineral sequestration of carbon dioxide within an integrated technological system. The goal is to develop innovative solutions for regions particularly affected by desertification, water scarcity, and climate change.

I see a remarkable connection to the Saudi Vision 2030, particularly in this systemic approach.

The first pillar of your vision – a vibrant society – is based on responsibility, confidence in the future, and the pursuit of sustainable development. SOLARIS sees itself as a scientific contribution to the preservation of natural resources and as an offer of international cooperation for the benefit of future generations.

The second pillar – a thriving economy – opens up opportunities for future technologies, new industrial value creation, and international investment. The patented SOLARIS concept aims to combine new technologies for soil regeneration, water management, energy generation, and climate-resilient infrastructure, thereby unlocking additional fields of innovation.

The third pillar – an ambitious nation – describes Saudi Arabia as a connecting force between Asia, Europe, and Africa. Due to its geographical location, scientific ambitions, industrial capabilities, and experience in large-scale infrastructure, the Kingdom possesses exceptional prerequisites to establish itself as an international benchmark for innovative environmental and future technologies.

There are also potential points of contact with regard to the kingdom's significant development programs.

Whether in the sustainable development of new urban spaces, in innovative water supply methods, in the stabilization of challenging ground conditions or in the context of long-term climate strategies – numerous issues show a recognizable professional proximity to the technological approaches of SOLARIS.

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A scientific examination of these potential interfaces could therefore be of interest to both sides.

I explicitly do not see SOLARIS as competition to existing programs of the Kingdom, but as a potential building block within the long-term goals of Saudi Vision 2030.

In my view, the combination of scientific research, technological innovation, economic diversification and international cooperation opens up a perspective from which both partners could benefit equally.

This could open up an opportunity for the kingdom to further expand its role as an international innovation hub in the field of climate-resilient technologies.

The SOLARIS project also offers the opportunity to further develop its concepts scientifically under real-world conditions together with a globally recognized partner and to validate them step by step.

Beyond bilateral cooperation, this could create a model that could also be a guiding principle for other arid regions of the world.

Against this background, I take the liberty of respectfully inviting Your Royal Highnesses to subject the SOLARIS project to a more in-depth technical review. I am at your utmost availability for further scientific and strategic dialogue, as well as for the provision of all technical documents, patent specifications, and other documentation.

May the shared commitment to innovation, responsibility, and forward-looking cooperation help to open new paths to sustainable development and contribute to the well-being of future generations.

With the expression of my highest respect, I remain

Your Royal Highnesses

most humble

Arno Wagener

(Patent holder SAND + SOLARIS)

=> www.schema3.org/ projects/solaris <=
INFO + contact details c/o www.citiZENnet.de

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In this context, I refer to an email dated July 30, 2026! [=> humanearthling@mail.de + SAND + SOLARIS ➽ 【¡! Coopération + Collaboration ¿? 】<=] And the phone call beforehand around noon with a member of your embassy staff in Berlin...

Title: The SOLARIS initiative as a strategic technology platform for climate-resilient infrastructure and sustainable development.

In addition to my previous letter, I would like to present the technical foundations of the SOLARIS initiative in their strategic context.

SOLARIS sees itself as a systemic technology platform, not as an isolated individual project. The initiative brings together various future technologies within a shared scientific development framework – from soil stabilization and water management to CO_2 mineralization.

The focus is on developing a modular infrastructure architecture for arid and semi-arid regions.

This is intended to connect different technological components not side by side, but as an integrated overall system, thereby opening up new perspectives for climate-resilient development, sustainable resource use and long-term economic value creation.

This includes in particular:

- microbially induced methods for biological soil stabilization,
- Additive manufacturing of mineral building and infrastructure components using locally available raw materials,
- solar thermal energy generation
- innovative processes for seawater desalination and sustainable water supply,
- Technologies for the long-term mineral binding of atmospheric carbon dioxide,
- Modularly designed, largely automated production units with the potential for gradual industrial scaling.

The scientific added value of the SOLARIS initiative lies not in individual technical components, but in their systemic integration. Energy, water, soil, building

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materials, carbon management, and automated infrastructure development are understood as interconnected elements of a shared development space.

This integrative approach is precisely in line with international developments in modern sustainability and transformation research.

Complex challenges increasingly demand systemic solutions that consider ecological, economic, and technological issues together. Against this backdrop, Saudi Vision 2030 appears to be an exceptionally suitable strategic framework for potential scientific cooperation.

The long-term diversification of the economy, the promotion of knowledge-based industries, the expansion of cutting-edge technological expertise, and the development of climate-resilient infrastructure are among the key objectives of the vision. The SOLARIS initiative explicitly does not see itself as an independent alternative to these development programs, but rather as a potential technological component within this long-term transformation strategy.

In particular, the Kingdom's large-scale development projects raise interesting scientific questions regarding soil stabilization, sustainable building materials, water management, energy supply, and long-term landscape development. At the same time, Saudi Arabia's natural site conditions offer excellent prerequisites for scientifically investigating, further developing, and potentially jointly validating individual components of the SOLARIS technology platform under real-world environmental conditions.

The SOLARIS initiative pursues an open innovation approach.

Individual technological developments have been registered with the German Patent and Trademark Office to protect intellectual property. At the same time, the overall concept is deliberately conceived as an open development platform that explicitly aims to promote international scientific cooperation, industrial partnerships, and exchange between research institutions, companies, and public institutions.

Therefore, the patent is not the actual focus of the initiative.

The focus is rather on the development of a long-term innovation ecosystem that combines scientific knowledge, technological development, industrial implementation and international cooperation within a common strategic framework.

From this perspective, SOLARIS is seen less as a completed project and more as an invitation to jointly explore new paths to sustainable development.

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Should the Kingdom of Saudi Arabia express interest in a more in-depth technical review, all scientific documentation, technical elaborations, patent specifications and further concept documents are available in German, English and partly Arabic.

It would be a great honor if this initial presentation could lead to a further scientific dialogue that serves the common goals of Saudi Vision 2030 as well as the international exchange on innovative technologies for a sustainable and resilient future.

The complete documents can be found here:

ODT | PDF | HTML (automatically generated translation available)

IMPLEMENTATION in the MAJOR PROJECT

humanearthling.org/ book/solaris/ SOLARIS_PATENT_SAND_Anlage_Imsetzung_im_Grossprojekt.pdf

PATENT SAND + SOLARIS (In brief on 10 pages)

=> https://humanearthling.org/book/solaris/dpma_sand_20260520.pdf <=