

Malaysia and the Netherlands

Accelerating the development of smarter, more sustainable and connected airports together



Partnering for sustainable, smart, digital and future-ready airport development

Malaysia's strategic location in Southeast Asia, growing economy and expanding tourism sector make aviation central to the country's connectivity and economic development. As passenger and cargo demand continues to grow, airports must increase capacity while maintaining high standards of sustainability, safety, resilience and passenger experience. This creates strong opportunities for Malaysia and the Netherlands to collaborate on aviation services and infrastructure. By combining Malaysian priorities with Dutch expertise in airport planning, operations, digitalisation and sustainable technologies, we can improve operational and energy efficiency, support sustainable economic growth and reduce the environmental impact of Malaysia's aviation sector.



An integrated partnership for airport transformation

The Dutch cluster for Sustainable Airport Development Malaysia is committed to working with Malaysian partners to support the country's long-term aviation ambitions. Led by AeroNL, formerly known as Netherlands Aerospace Group, the cluster brings together Dutch airport consultants, technology providers and sustainability specialists with more than 100 years of combined experience in airport development. The partners offer complementary expertise across the entire airport value chain, including strategic planning, airport operations, digital technologies, sustainability, logistics and passenger services. By approaching these areas as part of one integrated airport ecosystem, the cluster can help develop practical solutions tailored to Malaysia's local priorities and operational needs.



Turning Malaysia's aviation ambitions into action

Malaysia's aviation sector is entering a new phase of development. Expansion and modernisation plans at Kuala Lumpur International Airport and airports including Penang, Kuching, Kota Kinabalu, Senai and Tawau reflect the need to increase capacity while improving sustainability and operational performance. Malaysia's net-zero ambition for 2050, the Malaysian Aviation Decarbonisation Blueprint and the growing focus on digital transformation provide a strong framework for cooperation. Dutch expertise can contribute in areas including sustainable and innovative airport planning, decarbonisation roadmaps, energy-efficient systems, sustainable aviation fuel infrastructure, remote towers, integrated systems, biometrics, smart monitoring, airfield lighting and signage, runway materials, baggage handling and passenger-flow optimisation.

By combining strategic advice, engineering expertise and specialised technologies, Malaysia and the Netherlands can strengthen airport infrastructure that is efficient, resilient and aligned with international aviation standards.

Together with the Netherlands

The Netherlands is recognised for its innovative, collaborative and forward-looking approach to airport development. Dutch airports, knowledge institutions and companies have extensive experience in combining operational efficiency, digitalisation and sustainability within complex airport environments. The partnership builds on the strong and deepening relationship between Malaysia and the Netherlands in areas such as trade, semiconductors and water management, demonstrating a shared interest in resilience, innovation and sustainable growth. This provides a strong basis for further cooperation in aviation.

The Dutch cluster aims to be a reliable, long-term partner for Malaysian stakeholders. We recognise that successful airport development extends beyond technology alone. It requires mutual trust, a clear understanding of local priorities and close cooperation throughout planning, implementation and operation. The triple helix approach offered by this cluster brings together government, knowledge institutions and industry. Through close cooperation, these partners can accelerate technological innovation, facilitate knowledge transfer and turn strategic ambitions into practical and sustainable solutions.



Government



Knowledge
institutions



Business



**Let's work together to accelerate
smarter, more sustainable and
connected airports!**

Sustainable Development Goals

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity. The Dutch cluster for Sustainable Airport Development Malaysia as part of the Partners for International Business (PIB) programme contributes to the achievement of the following sustainable development goals:



SDG 08 | Decent work and economic growth:

Promote sustained, inclusive and sustainable economic growth, productive employment and decent work opportunities through the development of high-quality airport infrastructure and related economic activities.



SDG 09 | Industry, innovation and infrastructure:

Support the development of resilient, innovative and sustainable airport infrastructure and foster technological innovation and international cooperation within the aviation sector.



SDG 11 | Sustainable cities and communities:

Contribute to more inclusive, safe, resilient and sustainable urban and regional development by enhancing connectivity and promoting environmentally responsible airport solutions.



1

Airport
development

2

Terminal
operations

NACO
a company of Haskoning

AVIAVOX

to70

A aeronL



3

Passenger
and freight
handling



Coordinator



Fabienne de Hilster
fabienne.dehilster@aero.com

AeroNL is the trade association for national and international organisations established in the Netherlands and active in Aerospace & Airport Development. The NAG supports the aviation sector through the development of expert knowledge, advocacy, access to the national and international market, and an extensive network.
www.aeronl.com

Partners



Frank de Koning
fdk@asinternational.nl

AAS International specialises in airfield signage solutions for airports worldwide, including LED illuminated, Variable Message and non-illuminated signs for runways, taxiways and aprons. With over 30 years of experience, the company delivers ICAO, EASA and FAA compliant solutions that support safer, more durable and more sustainable airfield operations.
www.aasinternational.nl



Ralph Singer
ralph.singer@aviavox.com

AviaVox specialises in voice technology solutions for airports and airlines, offering automated public address and passenger information systems. Optimised through extensive research into passenger and operational needs, AviaVox enhances passenger flow and overall airport efficiency.
www.aviavox.com



Joeri Aulman
joeri.aulman@naco.rhdhv.com

The Netherlands Airport Consultants (NACO) is a world-leading airport consultancy and engineering firm composed of aviation consultants, economists, planners, architects, and engineers. Its extensive portfolio is enhanced by a network of partners and experts. This includes its parent company, the international multi-disciplinary engineering consultancy, Royal HaskoningDHV.
www.naco.nl

Wahyu Hariyono
wahyu.hariyono@naco.haskoning.com

Partners



Daniël Colijn
dcolijn@ooms.nl

Ooms Producten, a Dutch pioneer in polymer-modified bitumen, specialises in innovative and sustainable solutions for airport infrastructure. With decades of global experience, the company delivers cutting-edge binders and asphalt technologies tailored to meet the unique demands of airport pavements.

www.oomsproducten.nl



Eu Gene Tan
eugene.tan@tkhsaa.com.sg

TKH Airport Solutions specialises in advanced airfield ground lighting technology that enables greener, smarter and safer airport operations. As part of TKH Group N.V., the company delivers innovative LED-based Airfield Ground Lighting solutions that enhance safety, efficiency and lifecycle performance at airports worldwide.

www.tkh-airportsolutions.com



Toine van Buul
rob.morris@to70.com.au

To70 is a leading global aviation consultancy firm, providing research and advisory services to the international aviation community. With offices across Europe, Australia, Asia, and Latin America, To70 specialises in strategic planning, environmental analysis, and operational efficiency.

www.to70.com



Mark Lakerveld
mark.lakerveld@vanderlande.com

Vanderlande provides comprehensive solutions for airport logistics, capable of meeting the full spectrum of airport demands. From bag drop and passenger security checks to onward conveyance, storage, sortation, flight make-up, and baggage reclaim, the company offers a complete range of systems, software, and life-cycle services tailored to enhance operational efficiency.

www.vanderlande.com

Let's partner up!

By working together, we can accelerate the future of Malaysia's aviation sector. Let's share knowledge, expertise, and innovative solutions to drive sustainable airport development.

Cluster contacts:



Marcel Knoors
PIB Program Manager
marcel.knoors@rvo.nl



Fabienne de Hilster
Cluster coordinator
fabienne.dehilster@aero.com

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