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# Sustainability at Schiphol

European Calculator –  
Expert consultation on scenarios  
for the decarbonization of  
transport

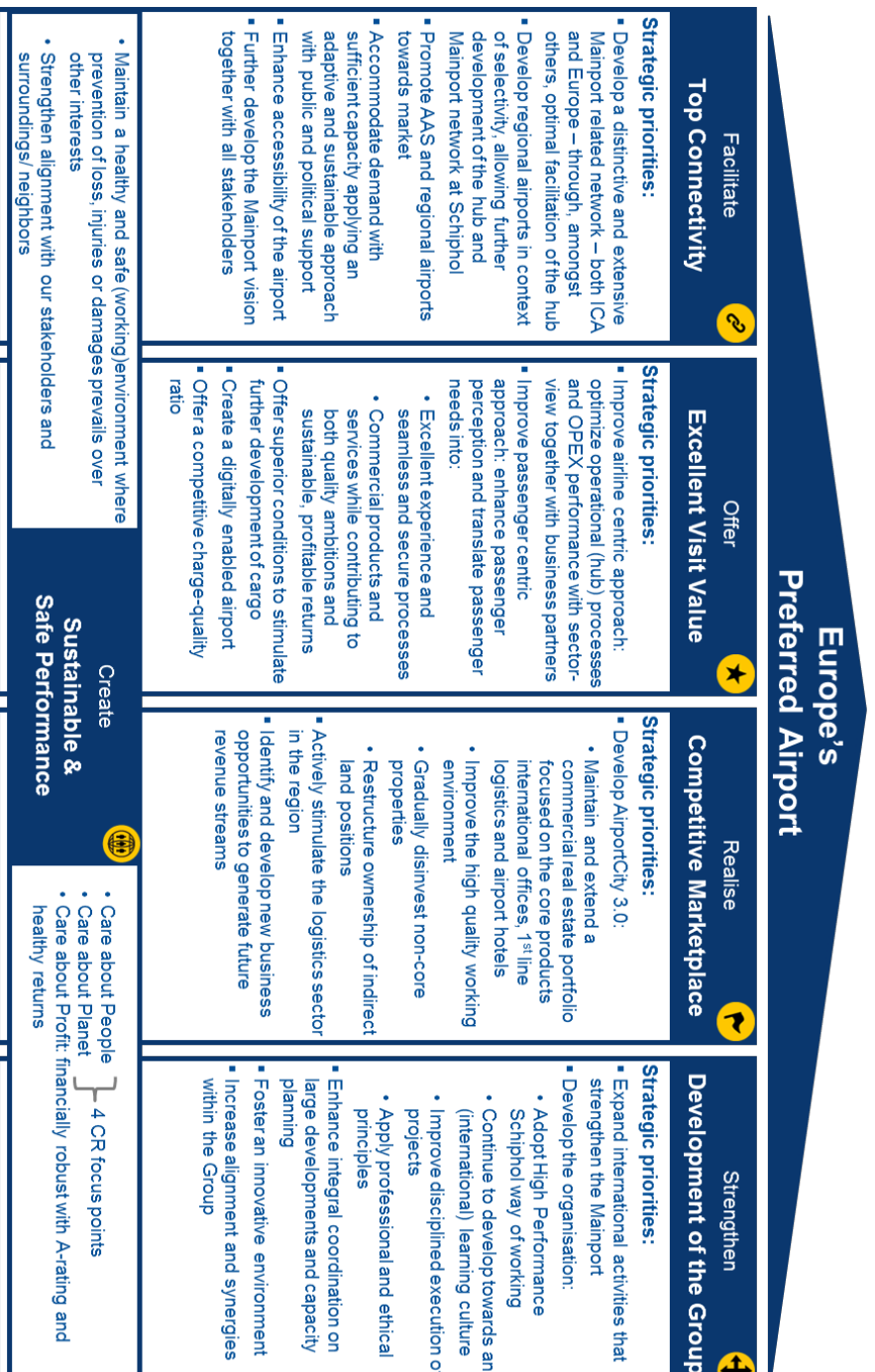
**Schiphol**  
Group

# Schiphol 2017

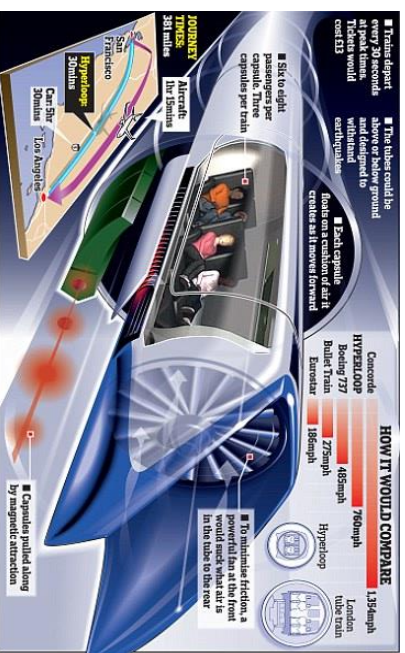




# Schiphol strategy



# World is changing and so is the aviation sector



# Corporate Responsibility strategy

## FUTURE AVIATION SECTOR

AVIATION SECTOR WITH A CLEAN FUTURE  
CLIMATE NEUTRAL: 2040



## RESILIENT AIRPORTS

ADAPTIVE SELF-SUSTAINING AIRPORT  
ZERO WASTE: 2030



## WELL BEING COMMUNITIES

AIRPORTS & METROPOLE AREAS GROW TOGETHER  
HEALTHY WORK & LIVING



GOAL

MISSION

“OUR JOURNEY TOWARDS SUSTAINABLE CONNECTIONS” - CORPORATE RESPONSIBILITY STRATEGY - SCHIPHOL GROUP

**1** SCHIPHOL GROUP STIMULATES THE AVIATION SECTOR IN THE TRANSITION TO CLEAN ENERGY AND ENLARGES AWARENESS TO FUEL CHANGE.

SDG 9



INNOVATION AND  
INFRASTRUCTURE

SDG 17



PARTNERSHIPS  
FOR THE GOALS

**1** SCHIPHOL GROUP TAKES THE LEAD IN AIRPORTS SUSTAINABILITY DECLARATION IN ORDER TO STIMULATE COLLABORATION AMONG (INTER)NATIONAL AIRPORTS.

SDG 12



RESPONSIBLE  
CONSUMPTION AND PRODUCTION

SDG 13



CLIMATE  
ACTION

**1** SCHIPHOL GROUP INCREASES ITS VALUE CREATION BY IMPACT MEASURING.

SDG 8



DECENT WORK AND  
ECONOMIC GROWTH

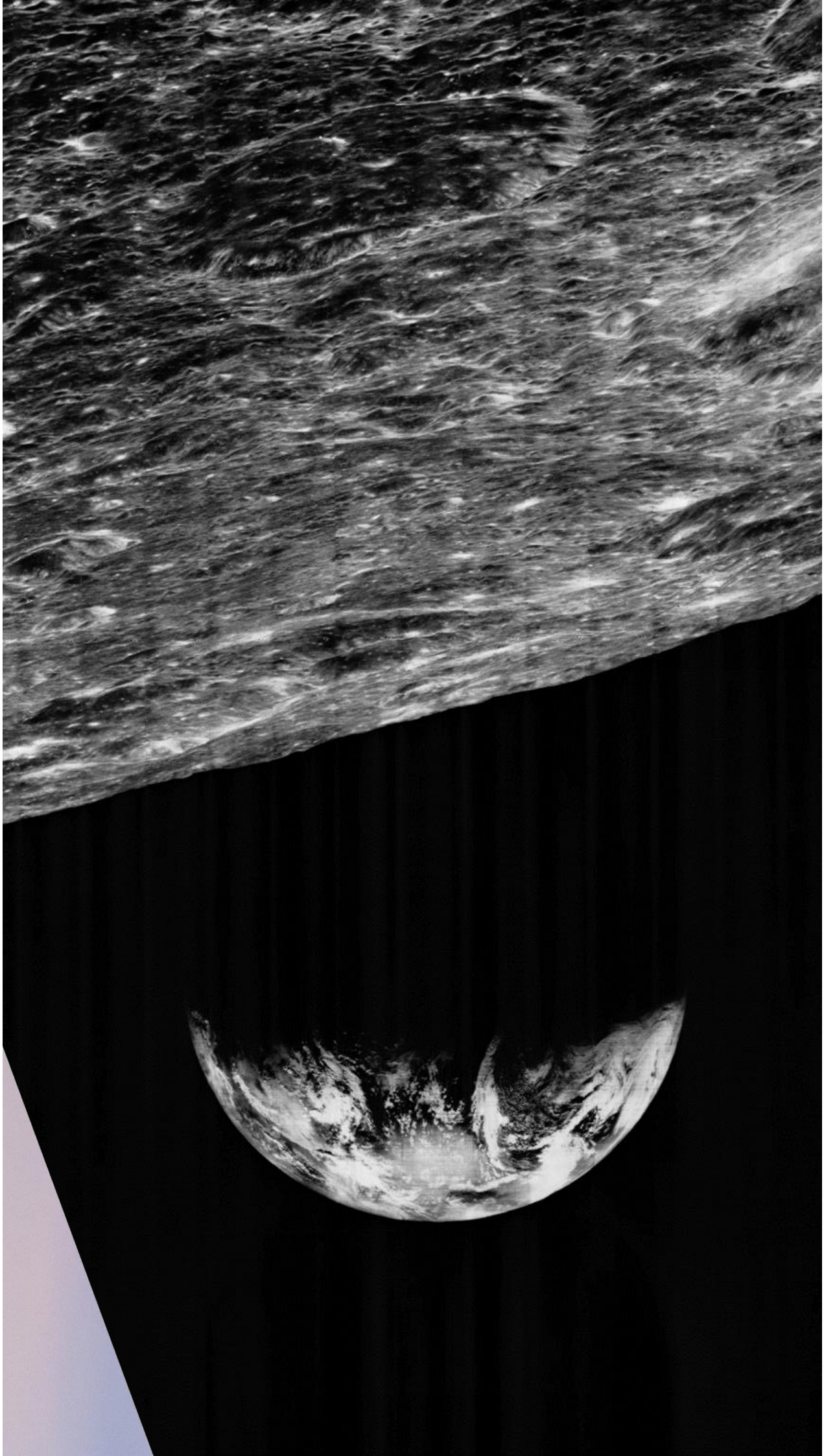
SDG 11



SUSTAINABLE  
CITIES AND COMMUNITIES

LINK SDG'S

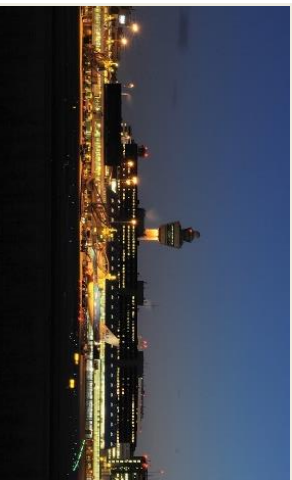




# Climate neutral

## ENERGY REDUCTION

Reduce use of fossil energy  
and fuel



ATES, Smart Cooling, LED



Clean mobility – 176 Tesla taxis

## CLEAN ENERGY

Increase renewable energy



100% renewable electricity 2018



Schiphol ACI ACA 3+ since 2012

## ZERO EMISSION

Reduce polluting emissions



400 Hz. Ground handling



35 Electric buses airside and  
100 at landside in 2018



# Zero waste

## RESOURCES

Responsible products and materials  
Maximize return on assets



Plaza - Bio-based benches



Cradle to cradle mortuary

## CIRCULARITY

Design & realisation  
Design for disassembly  
Closing loops



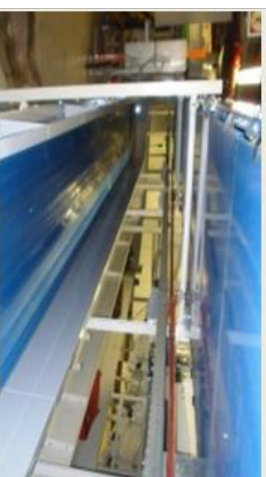
P3 – 90% materials reusable



Light as a Service – Lounge 2

## RESIDUALS

Maximize waste separation  
Reuse and Recycling



Blueveyor – 99% materials reusable



Bus station - hangar WOII



# To the airport

## PASSENGERS



42% Public Transport

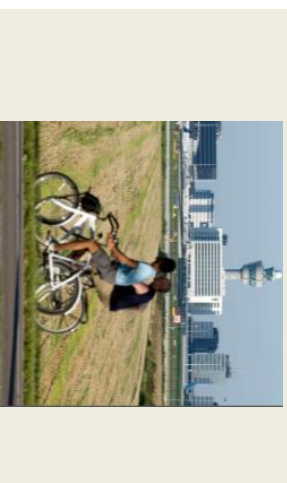


170 Tesla Taxis

## EMPLOYEES



100 electric busses  
28% Public Transport



5% Bike

## CONTRACTORS



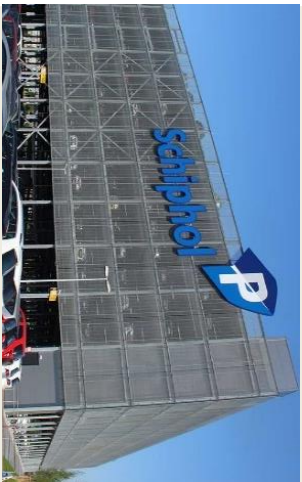
Street cleaning



Heavy duty vehicles

# At the airport - landside

## OPERATIONAL CARS



P3 – 90% materials reusable



Bus station - hangar WOI

## CHARGING FACILITIES



Parking garages passengers



Fast charging taxi

## CONTRACTORS



Concessionaires



Road patrol



# At the airport - airside

## OPERATIONAL CARS



VIP Centre



Airside operations

## EQUIPMENT



Electric busses at airside



Passenger stairs

## CONTRACTORS



Lower deck loaders



Cleaning vehicles

# What's next?

## AIRCRAFT



## Biofuel



## Hybrid and electric

## EQUIPMENT



## E-GPU



## Hydrogen

## CONNECTIVITY



## Self driving cars



## Short haul



29 april 2018

# Royal Schiphol Group in 2017