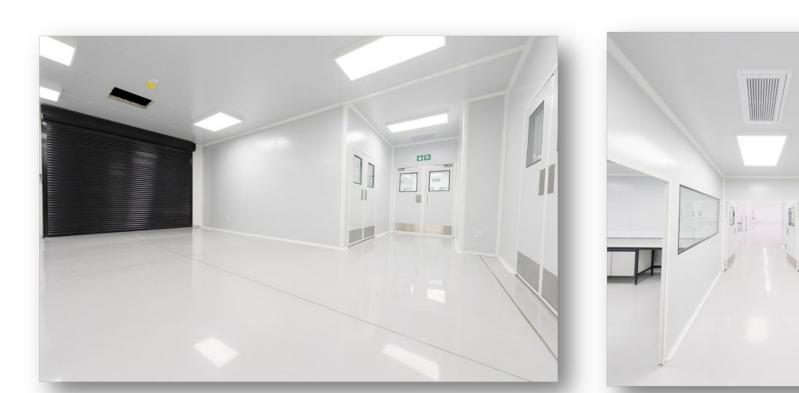


IPM Facility at the OR Tambo SEZ

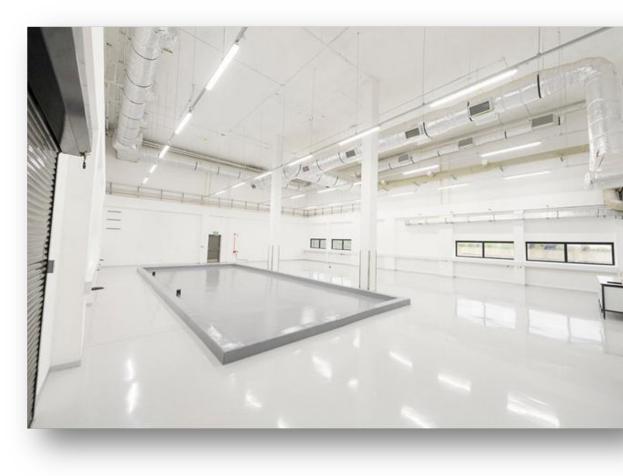
IPM has completed a four-storey state of the art industrial facility (one of the biggest in the world) at the OR Tambo Special Economic Zone (SEZ) to produce PGM catalysts and MEA's for fuel cells and electrolysers which can be used to provide local content for electrolyser and FCEV deployment in SA. The facility will be ready for plant commissioning from October 2024 and will be green to the maximum extent possible, with the full roof area designated for solar panels.

The project will take PGMs from SA platinum mines and at full deployment will beneficiate it into MEA's for FCEV and electrolysers at a rate of 3 million units per annum. We will also be able to convert PGMs into PGM chemicals and thereafter into PGM catalysts for fuel cells and electrolysers.

Ground Floor



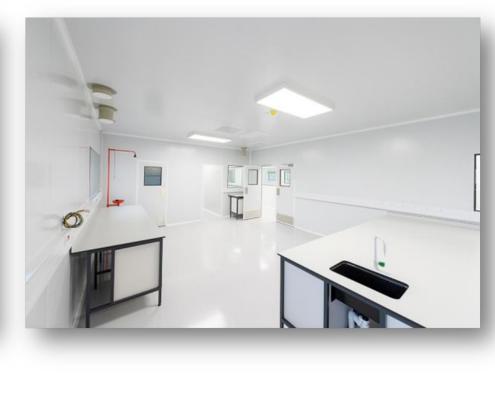
1st Floor - Catalyst Production & Recycling





2nd Floor - MEA Testing & Laboratories







Roof - Scrubbers/HVAC









The Hydrogen Refuelling Station (HRS) is a landmark initiative in South Africa's transition to a hydrogen-powered future. Strategically near the OR Tambo International Airport, the station will produce tons of hydrogen per day—the largest hydrogen source in South Africa. Capable of fueling up to 400 fuel cell trucks and buses, this project offers a cost-effective solution for heavy-duty

Project Description

emissions and supporting the local hydrogen economy, Isondo's HRS project is paving the way for South Africa to become a global leader in hydrogen-powered transportation. Relatively pure Purify, Compress -Refuel 300-400 7 tons per day

Multiple Stations

transportation, with hydrogen production that rivals diesel on a total cost of ownership basis. By significantly reducing carbon

Green Hydrogen

(99.9%)

Climate Change

Industrial H2 produced by

Cars, Trucks and

Buses

TCO Equivalent

to Diesel

Availability

Immediately Available

Central Location

green energy

Gauteng - Low h2 transport cost

Financials Profitable and Sustainable immediately

Source Cost

Zero - currently vented

Boost SA hydrogen **Economy Status**

Economy

Capital

No expensive

Key Attributes

electrolysis needed

Localisation Drive local beneficiation and assembly of FCEV

Capability

Drive hydrogen capabilty/

lessons learnt in RSA

Protect and drive automotive industry (homeologation)

NPV and IRR

IRR = 14.1%

NPV = €150m

Automotive

Financials

Integration

Key link for H2 corridor &

greening the airport

Profitable and Sustainable immediately

40000 - 80000 tons Co2 emission saving/annum