

EMPOWERING SUSTAINABILITY: Architect BEYOND DESIGN



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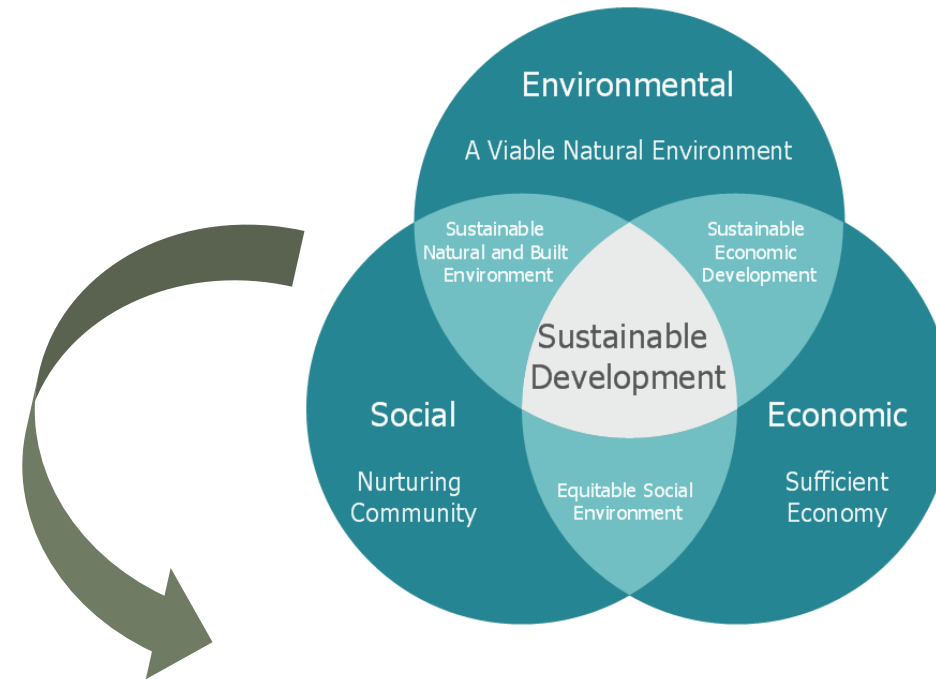
Buildings Conservation & Building Maintainability



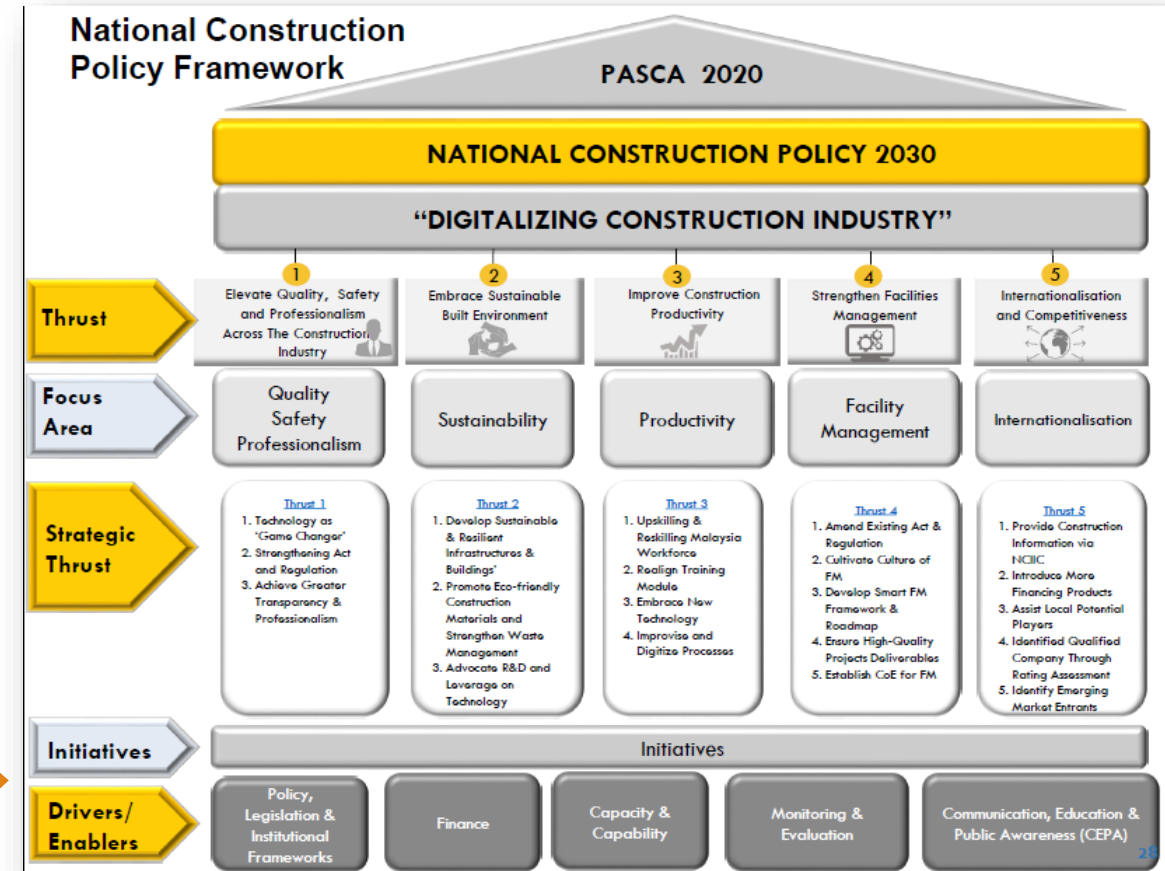
INTRODUCTION

Sustainability is achieved through attaining A balance between inter-dependant social, environmental and economic factors

The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by all United Nations Member States in 2015. Designing buildings consistent with the SDGs ensures creation of healthier places and, therefore, healthier people, communities, and societies



INTRODUCTION



2021-2025

STRATEGIC PLAN

TEMA 4: MEMACU KELESTARIAN

National Construction Policy Framework



2021-2025

STRATEGIC
PLAN

PASCA 2020

TEMA 4: MEMACU KELESTARIAN



Sustainability

NATIONAL CONSTRUCTION POLICY 2030



CO2 emission

study for Malaysia
Construction Value chain
and establish Carbon
Calculator

Mandate

new infrastructure
projects more than
RM100 million certified
in Sustainable
INFRASTAR

Green financing

tax incentives and low
interest rate loans on
green initiated project

3 guideline on Resilient
Construction to be
published

Environmental friendly
construction materials

Annual sustainable
construction solid waste
management report

Net Zero
Building
Policy

R&D
Funding



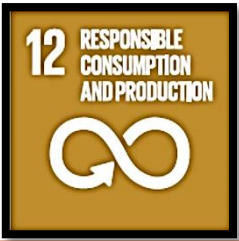
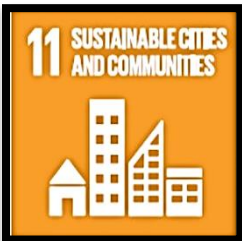
JKR STRATEGIC PLAN: LEADING SUSTAINABILITY 2021-2025

Customer Value Proposition

SUSTAINABLE INFRASTRUCTURE AND BUILDING DEVELOPMENT

ECONOMY

OPTIMUM
MAINTENANCE &
OPERATIONAL COST

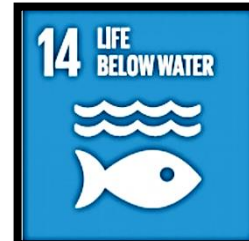


ENVIRONMENT

CONDUCTIVE
ENVIRONMENT

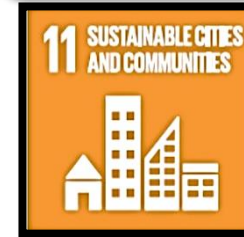


MINIMISE
ENVIRONMENTAL
IMPACT



SOCIAL



INCLUSIVE DESIGN



HEALTH & WELL
BEING



ARCHITECT'S ROLE & RESPONSIBILITIES



PINDAAN ARAHAN PERBENDAHARAAN

182. Kerja-kerja Bagi Jabatan Bukan Teknik

182.1 Rujukan Kepada Jabatan Teknik

182.1(a) Semua **Jabatan Bukan Teknik** hendaklah mendapatkan perkhidmatan daripada Jabatan Teknik **iaitu** Jabatan Kerja Raya atau Jabatan Pengairan dan Saliran bagi melaksanakan semua projek kerja tertakluk kepada peraturan yang berkuat kuasa dari semasa ke semasa.

182.1(b) Kementerian/Jabatan hendaklah mengemukakan kepada Jabatan Teknik maklumat lengkap seperti berikut:

- (i) Kedudukan status tapak projek;
- (ii) Ringkasan projek;
- (iii) Siling projek;
- (iv) Peruntukan tahunan; dan
- (v) Jadual pelaksanaan projek.

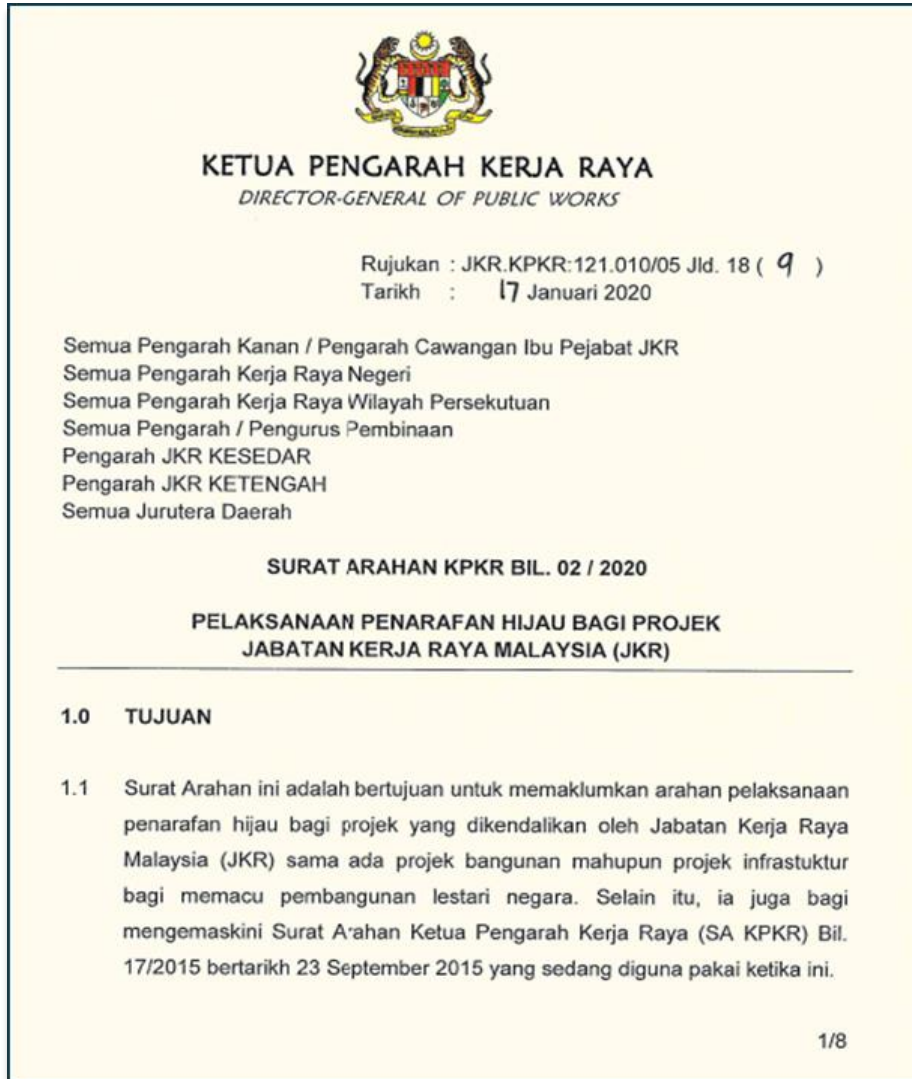
MEMPERKASA AP 182 - JKR telah di beri mandat dan tanggungjawab yang lebih besar untuk melaksanakan semua projek-projek kerajaan.

Play leadership role in the field of sustainability

Embrace sustainability in the entire design and construction processes



ARCHITECT'S ROLE & RESPONSIBILITIES



Use green rating pHJKR/
MyCREST for all projects

Work strongly together with
other professionals at every
phase of the design process to
determine sustainability

MENERAJU KELESTARIAN – Surat arahan KPKR dalam pelaksanaan penarafan hijau bagi projek JKR bernilai RM 20 juta ke atas



ARCHITECT'S ROLE & RESPONSIBILITIES



KERAJAAN SERI PADUKA BAGINDA
MALAYSIA

GARIS PANDUAN
PENYEDIAAN RANCANGAN MALAYSIA KEDUA BELAS, 2021-2025:

PROSPEK EKONOMI,
KERANGKA KEBERHASILAN BERSEPADU NASIONAL SERTA
PERANCANGAN DAN PELAKSANAAN PROJEK PEMBANGUNAN

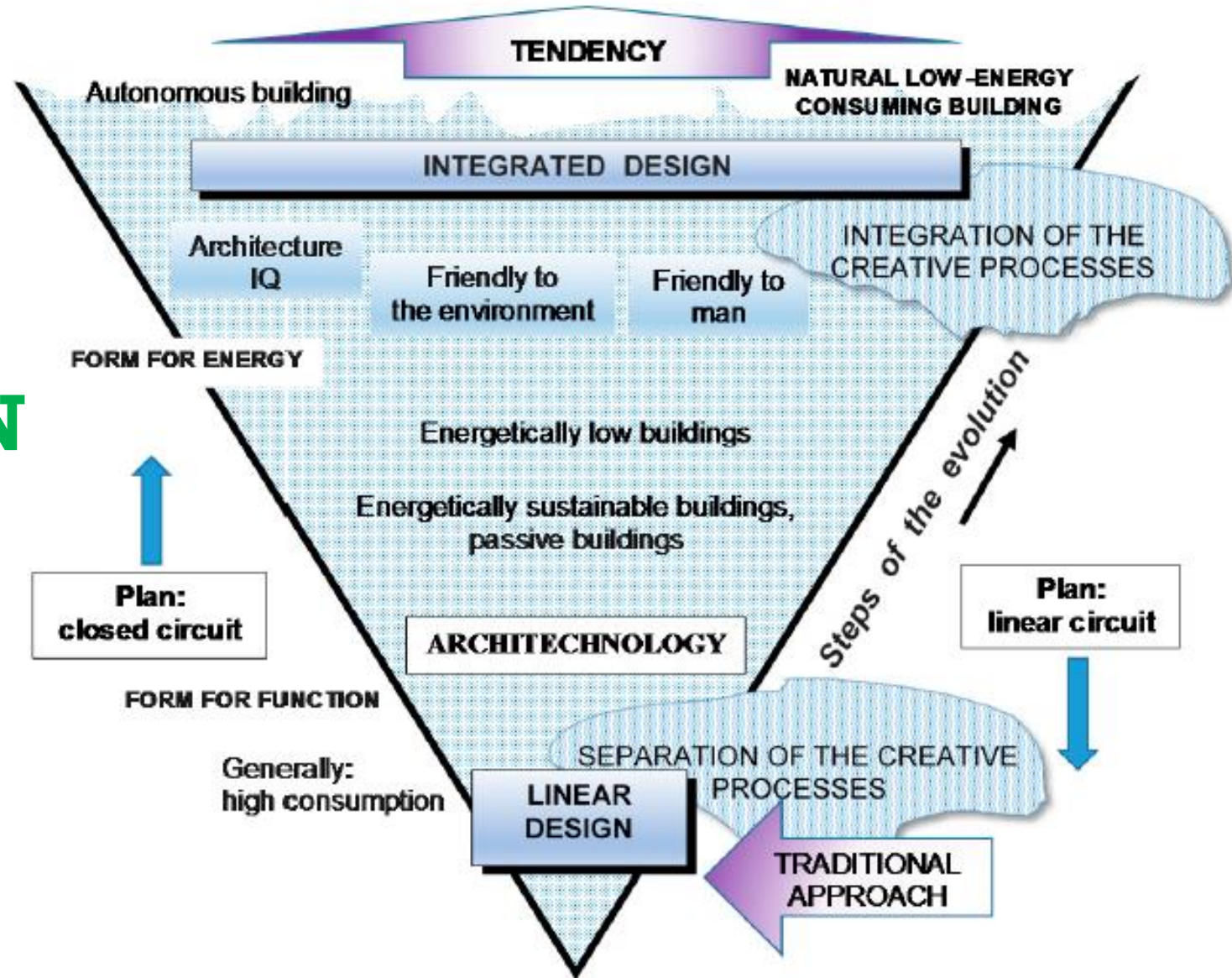
- a) Sekiranya projek yang hendak dipohon tergolong di dalam salah satu kategori reka bentuk bangunan PAP maka, projek tersebut hendaklah sekurang-kurangnya mempunyai satu komponen reka bentuk PAP sebagai asas penyediaan brif projek;
- b) Semasa penyediaan brif projek, Kementerian/Agensi perlu mengenal pasti komponen reka bentuk PAP yang hendak digunakan dengan merujuk kepada Katalog PAP agar bersesuaian dengan keperluan projek; dan
- c) Sebarang pindaan yang perlu dibuat terhadap reka bentuk PAP hendaklah merujuk kepada Jabatan Teknikal.
- c) Sebarang pindaan yang perlu dibuat terhadap reka bentuk PAP hendaklah merujuk kepada Jabatan Teknikal.

GREENING THE PAP's

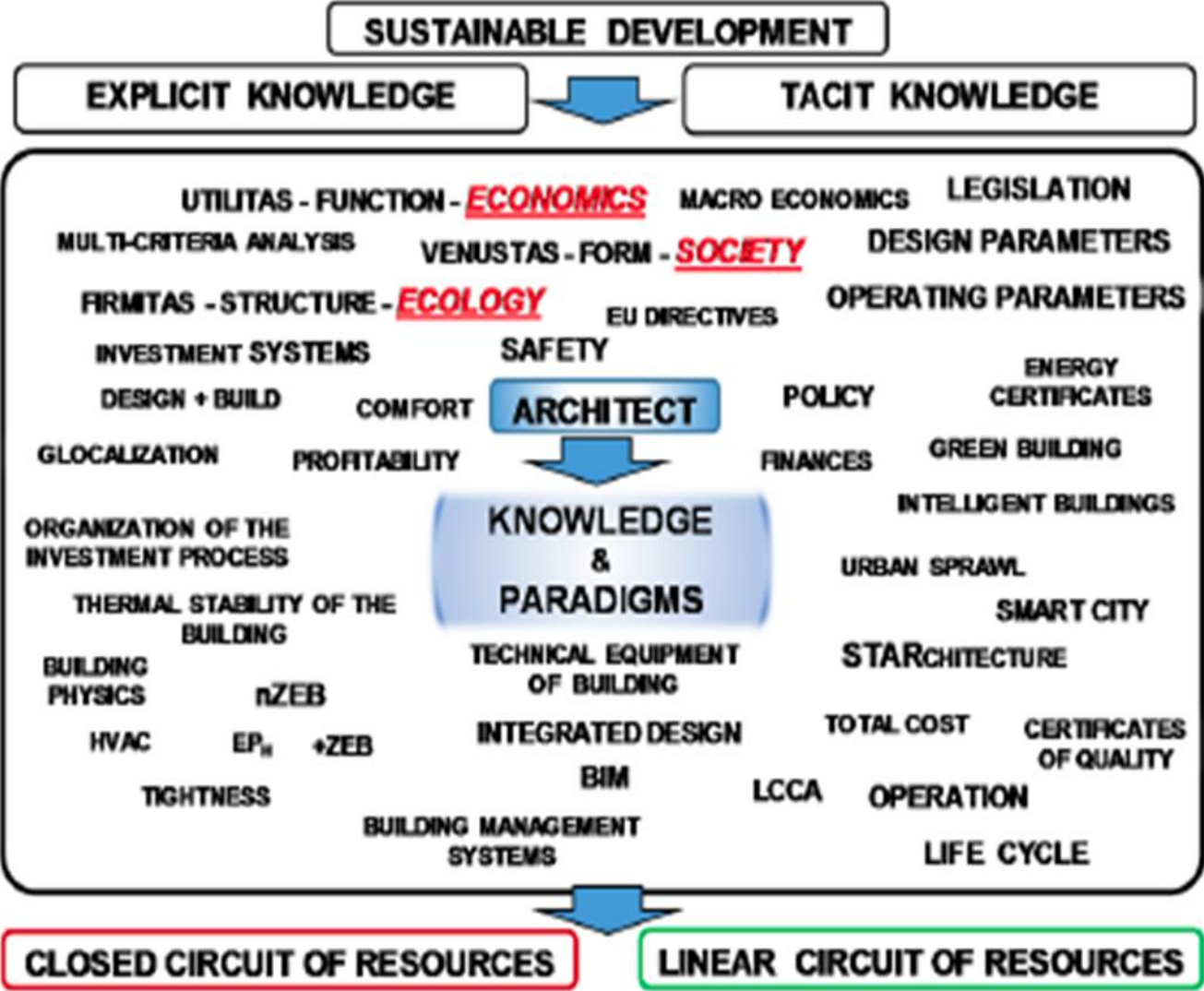


ARCHITECT'S ROLE & RESPONSIBILITIES

BIM INTEGRATION OF GREEN ELEMENTS



ARCHITECT'S ROLE & RESPONSIBILITIES



**ACQUIRED
KNOWLEDGE**

**SKILLS &
CREATIVITY**

**Architect's perspective must always be wider and multidimensional
THINK BEYOND DESIGN**

ARCHITECTs
ARE YOU READY TO TAKE OFF?

