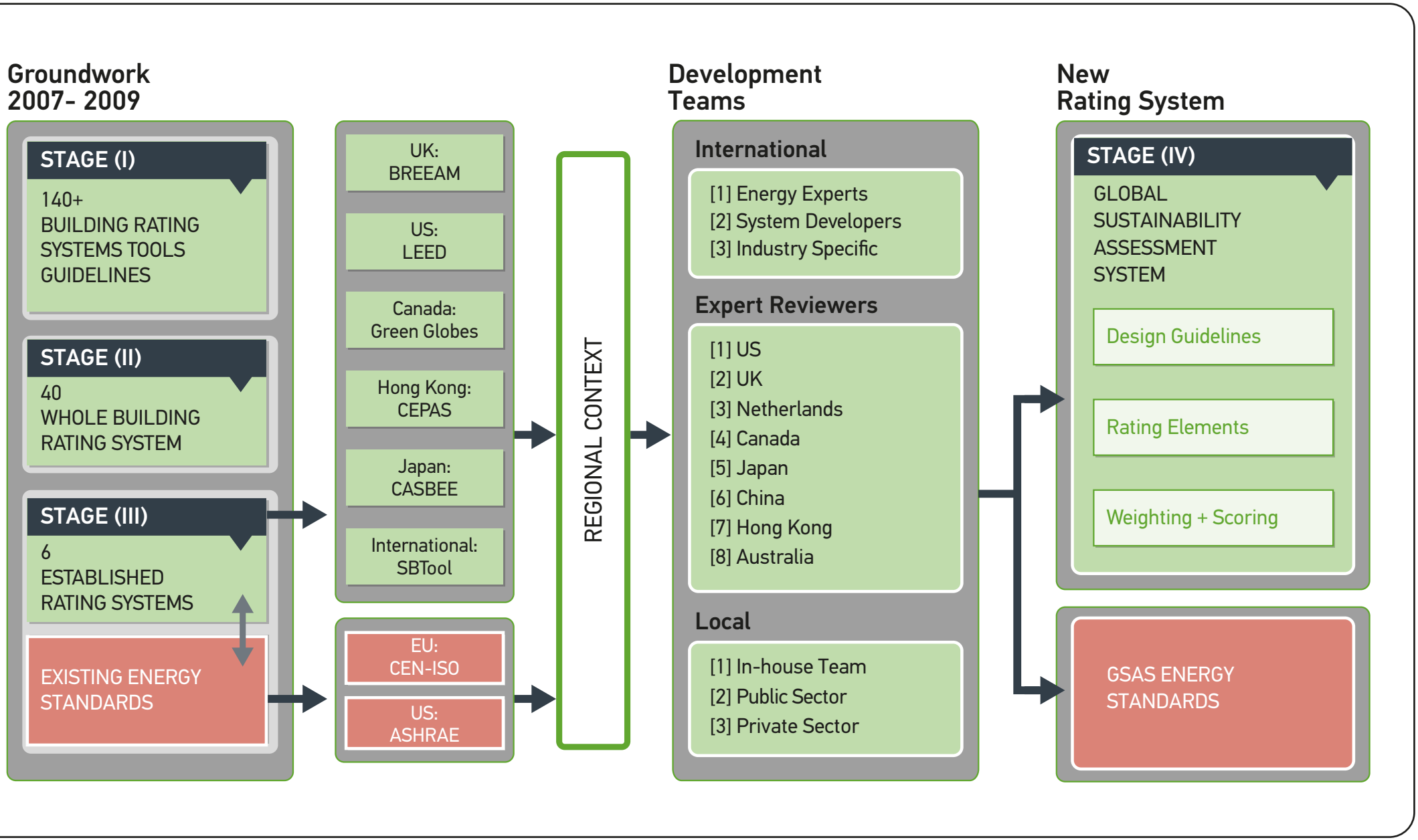
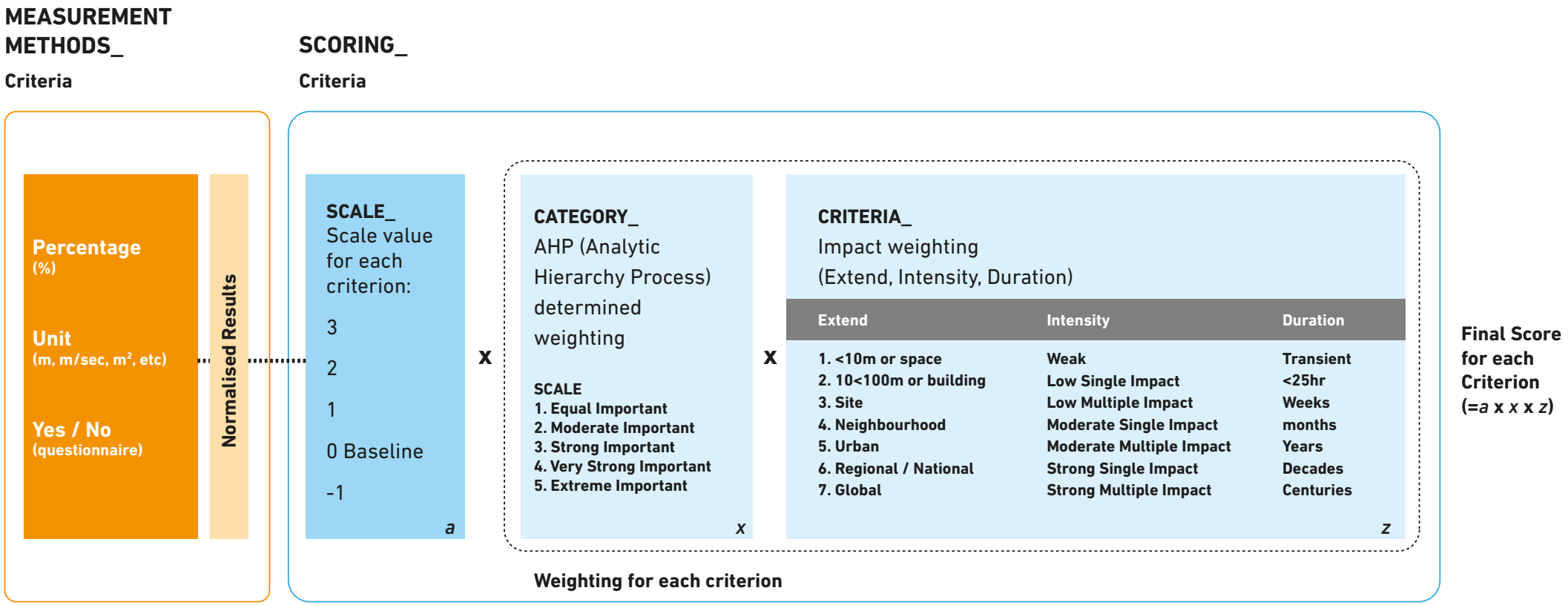
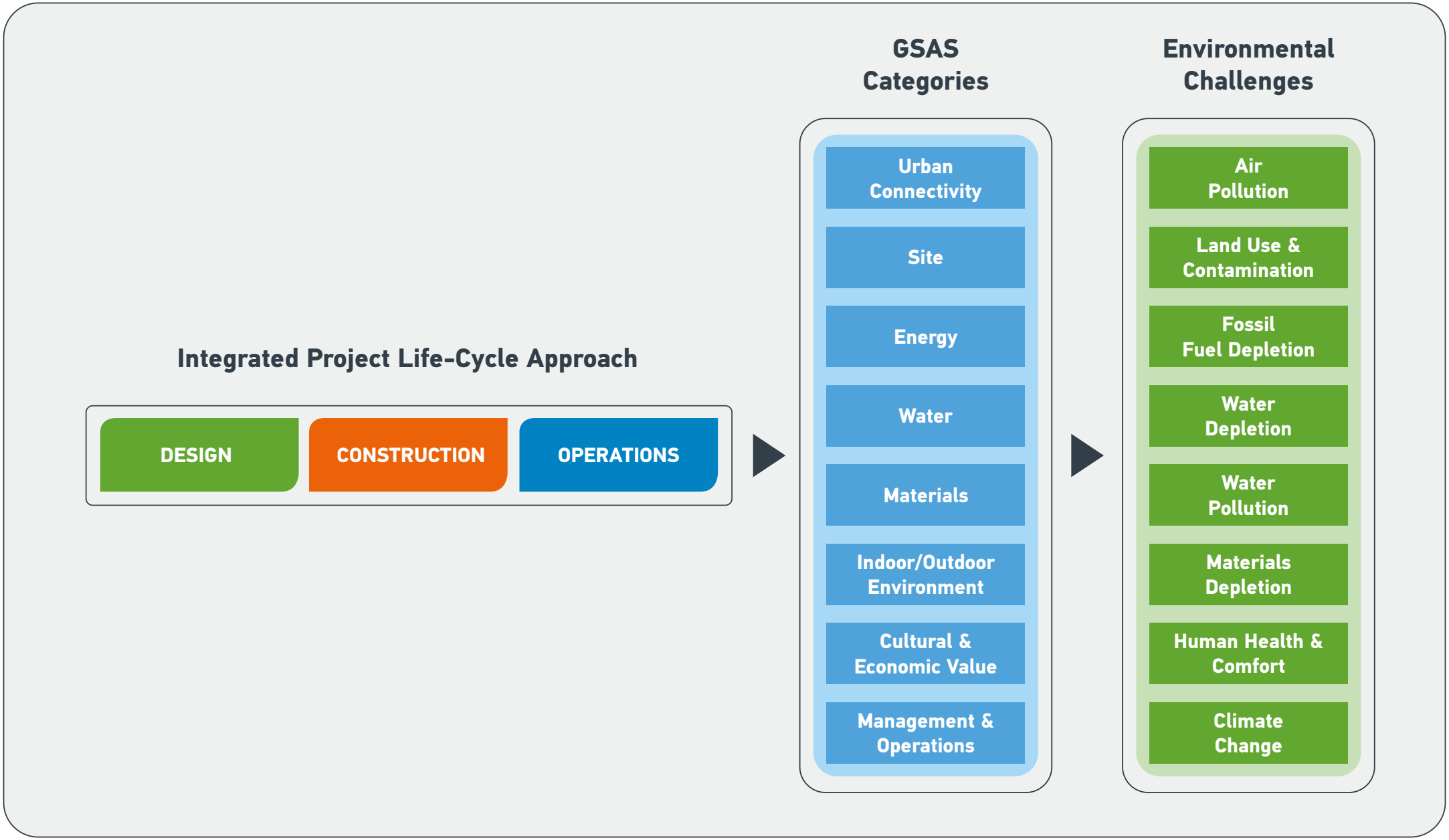
Development of GSAS Framework



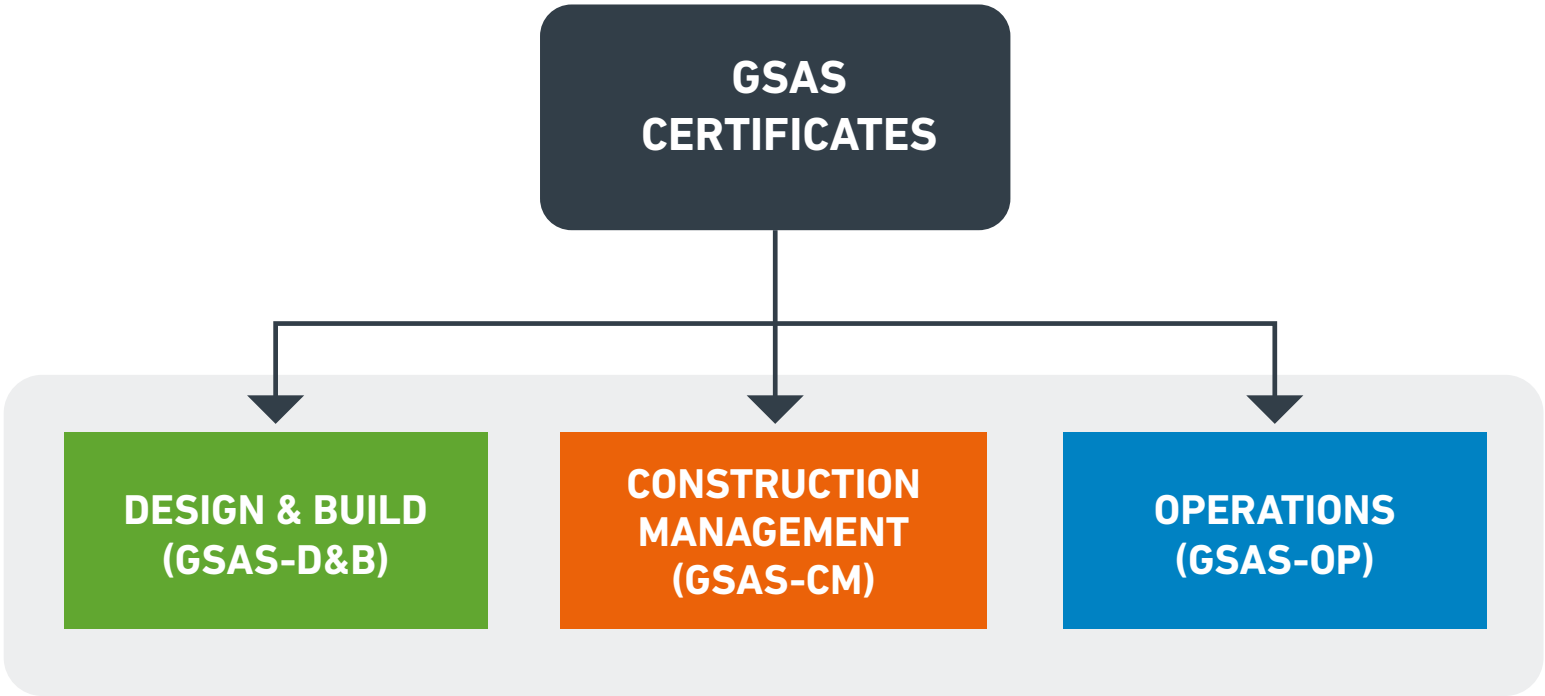
GSAS System Weighting Methodology



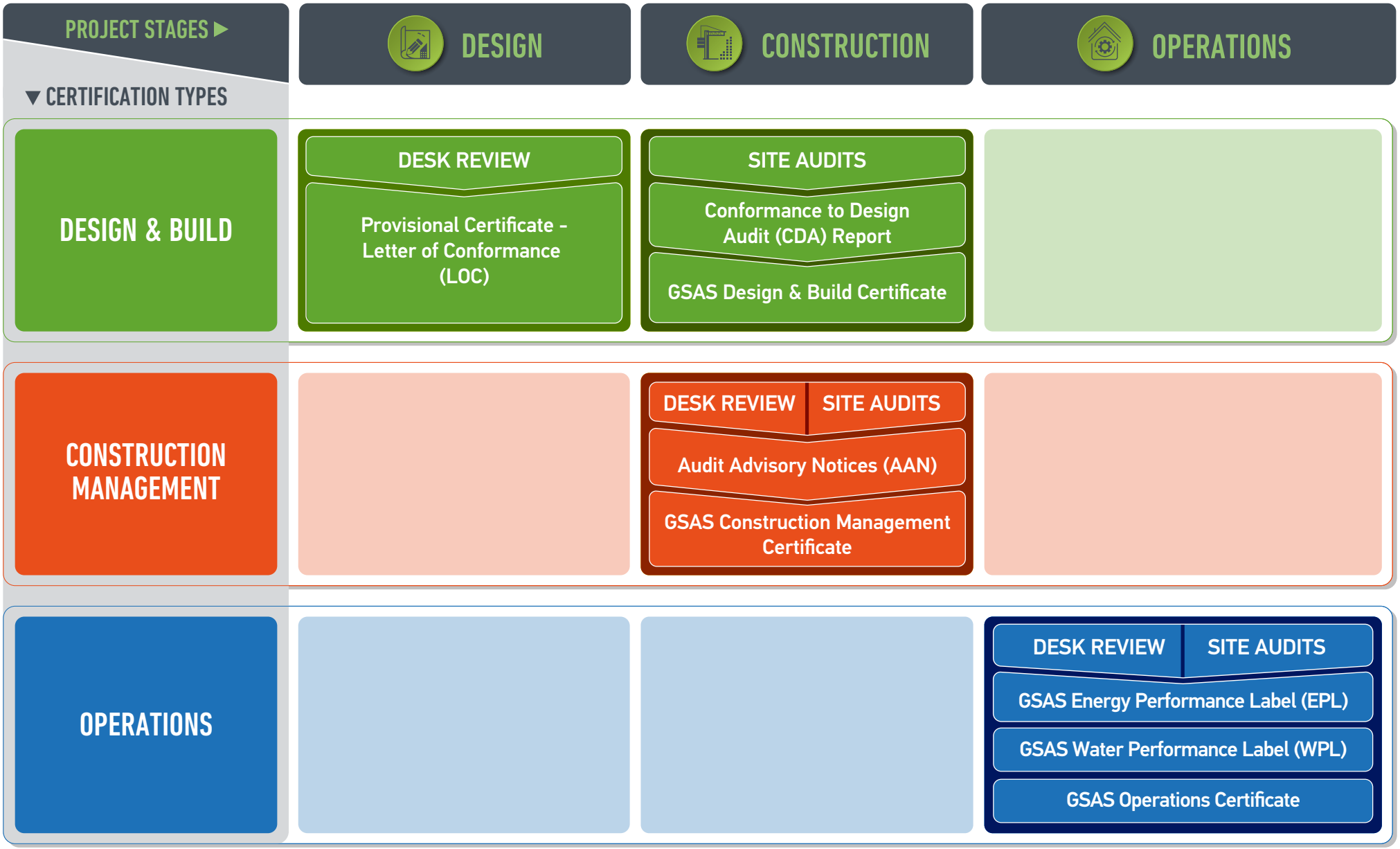
Integrated Life Cycle Approach of GSAS



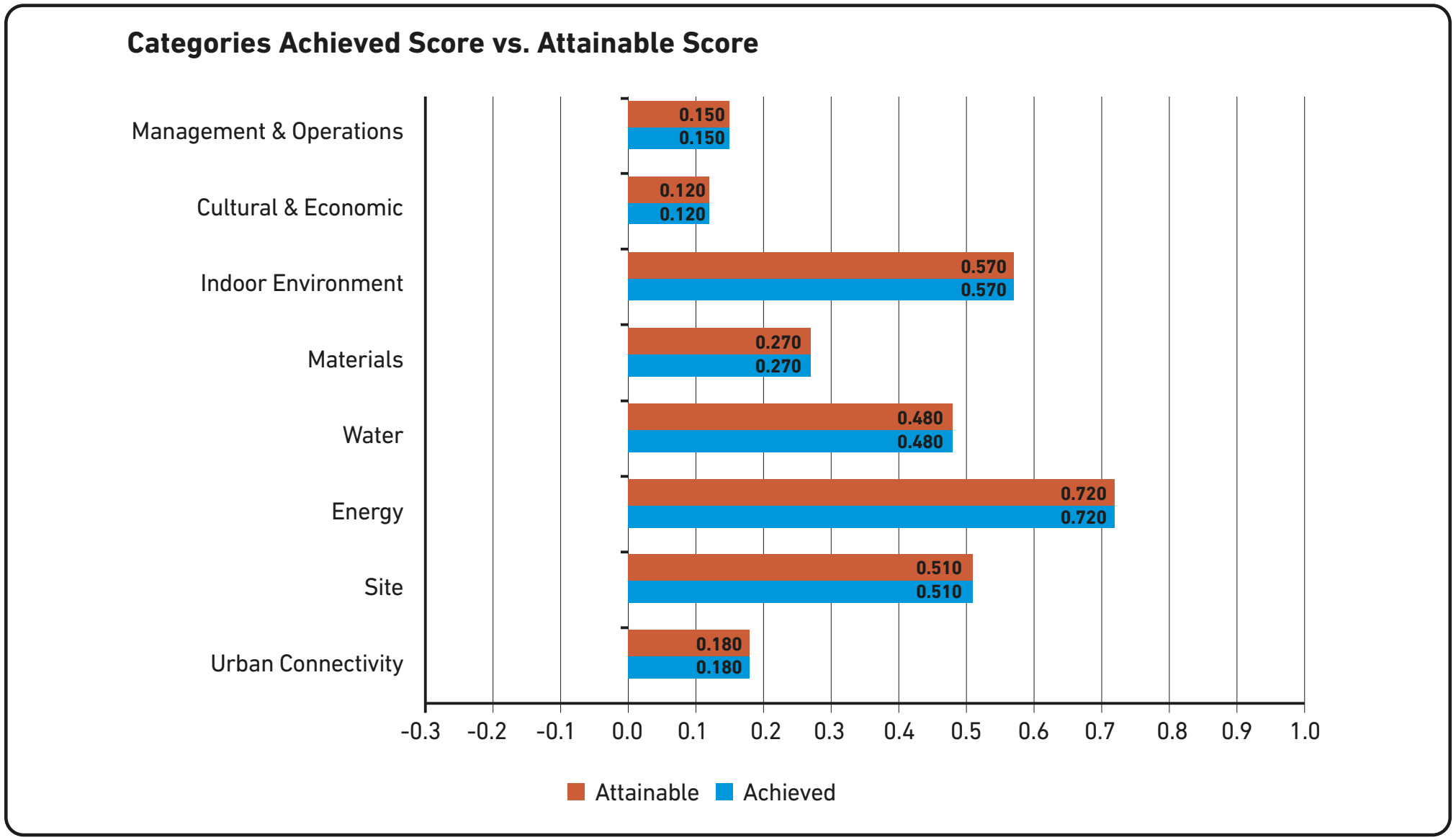
Types of GSAS Certification



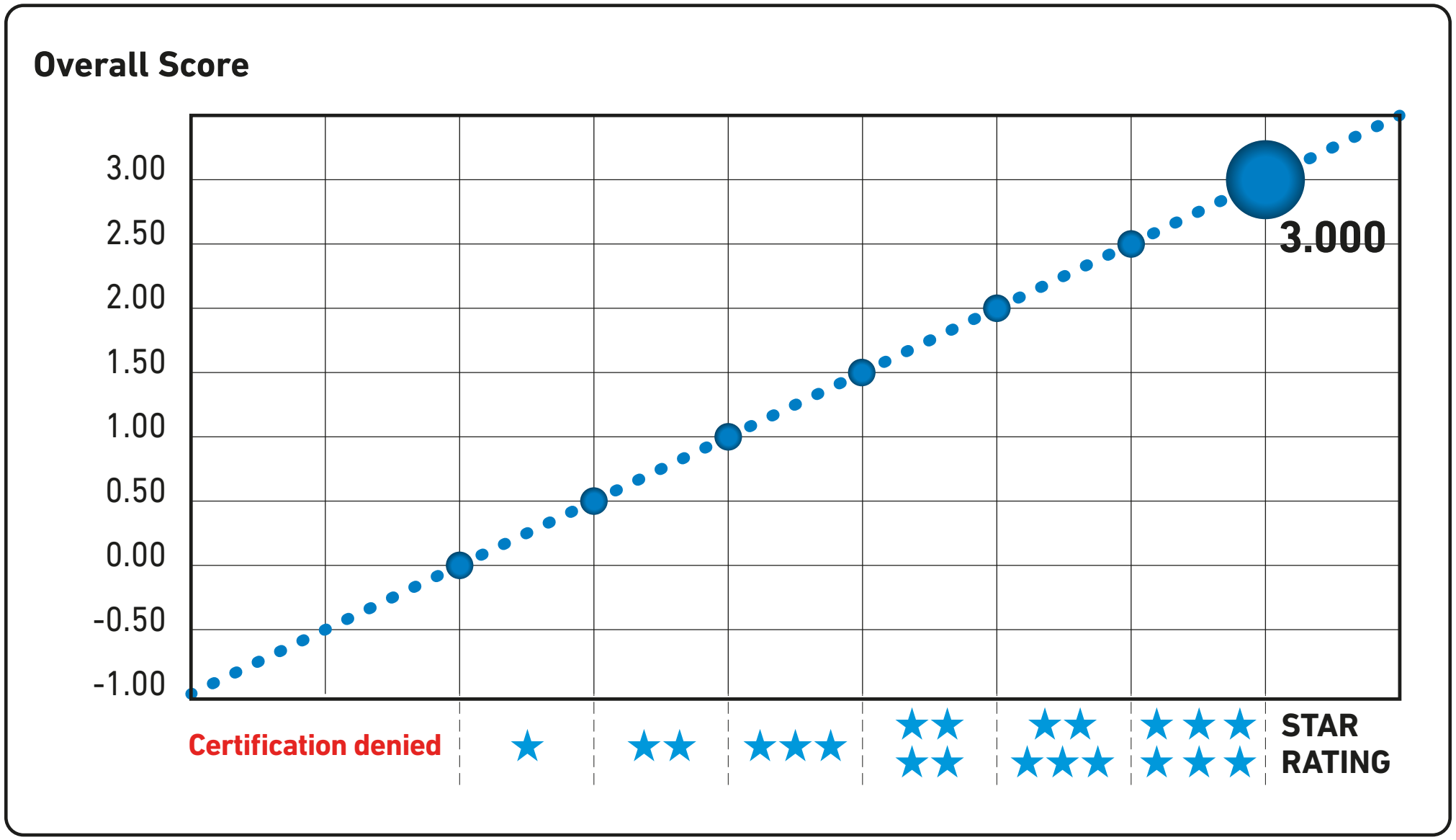
GSAS Certification and Project Stages



Bar Chart as Indicated in GSAS Scoring Sheet



Line Chart as Indicated in GSAS Scoring Sheet



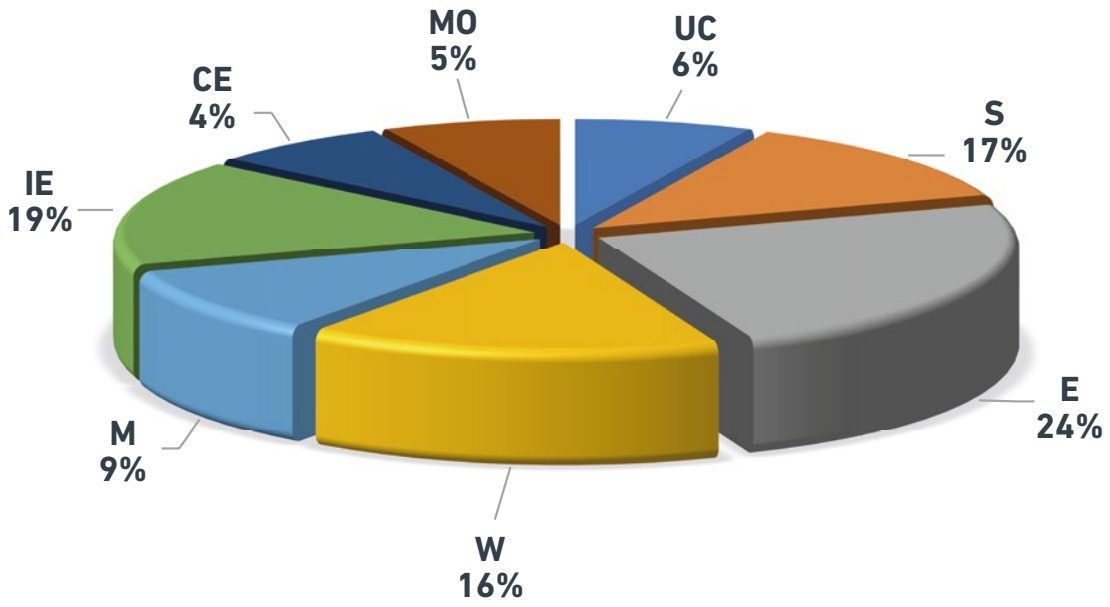
GSAS Design & Build
Tabulated Certification Scores and Ratings

SCORE	RATING
X < 0	Certification Denied
0.00 ≤ X ≤ 0.50	★
0.50 < X ≤ 1.00	★★
1.00 < X ≤ 1.50	★★★
1.50 < X ≤ 2.00	★★★★
2.00 < X ≤ 2.50	★★★★★
2.50 < X ≤ 3.00	★★★★★★

GSAS Construction Tabulated Certification Scores and Ratings

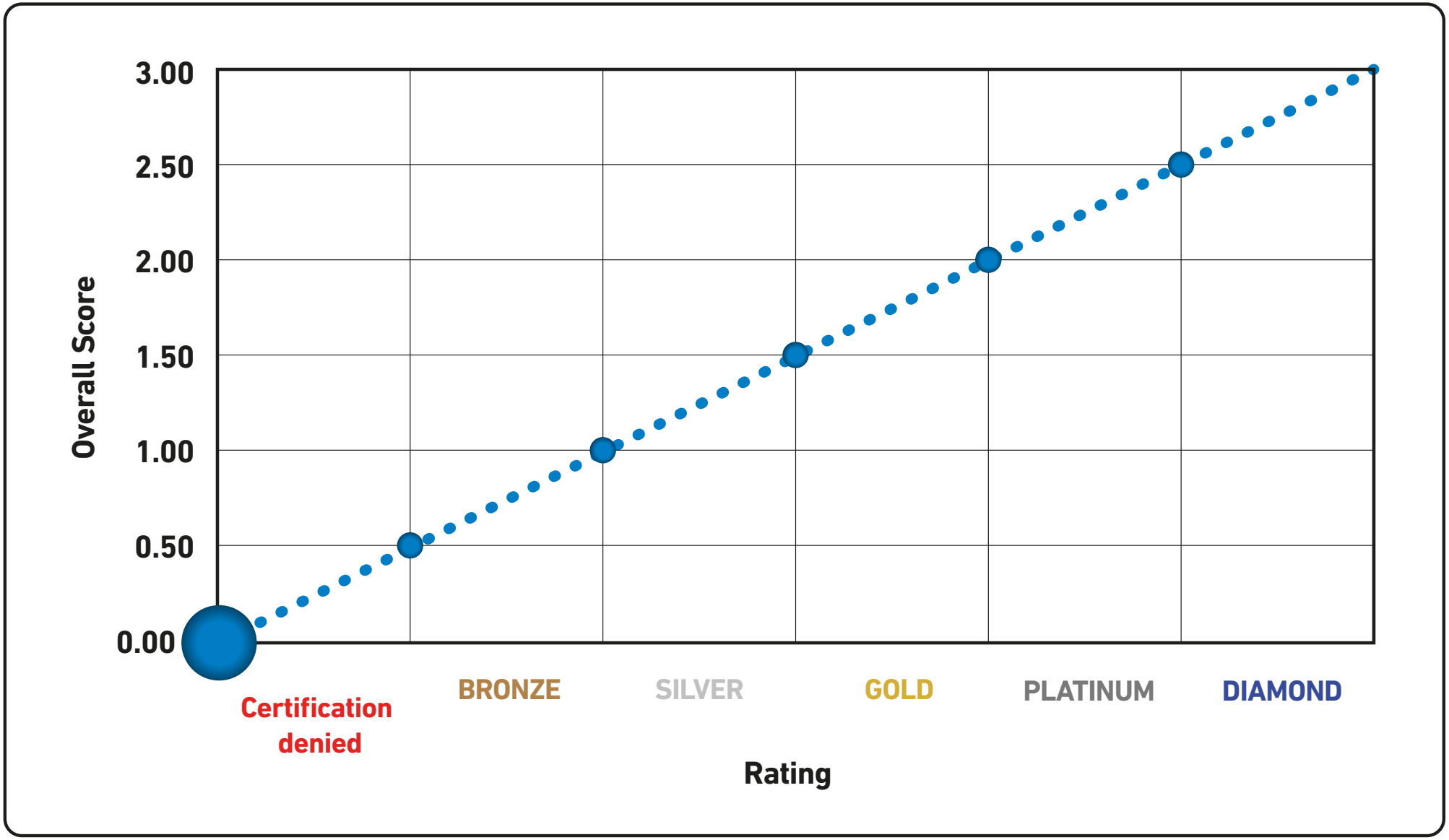
SCORE	RATING
X < 0.5	CERTIFICATION DENIED
0.5 ≤ X < 1.0	CLASS D
1.0 ≤ X < 1.5	CLASS C
1.5 ≤ X < 2.0	CLASS B
2.0 ≤ X < 2.5	CLASS A
X ≥ 2.5	CLASS A★

GSAS Design & Build Categories Weights



Urban Connectivity [UC]	6%
Site [S]	17%
Energy [E]	24%
Water [W]	16%
Materials [M]	9%
Indoor Environment [IE]	19%
Cultural and Economic Value [CE]	4%
Management and Operations [MO]	5%

GSAS Operations Certification Rating



GSAS Operations Tabulated Certification Scores and Ratings

SCORE	RATING
X < 0.5	CERTIFICATION DENIED
0.5 ≤ X < 1.0	BRONZE
1.0 ≤ X < 1.5	SILVER
1.5 ≤ X < 2.0	GOLD
2.0 ≤ X < 2.5	PLATINUM
X ≥ 2.5	DIAMOND

GSAS Operations Energy & Water Performance Label (EPL / WPL)

GSAS ENERGY PERFORMANCE LABEL - EPL

Country: XXXXX
Project ID: PO-CO-0000-0000
Project Name: HEAD OFFICE #1
Building Type: OFFICES
Date: Oct / 21 / 2018

BAND

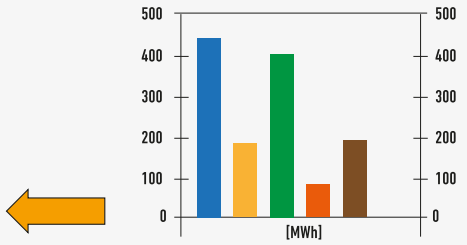
- EPC < 0.50 A*
- EPC < 0.60 A
- EPC < 0.70 B
- EPC < 0.80 C
- EPC < 0.90 D
- EPC < 1.00 E
- EPC ≤ 1.50 F
- EPC > 1.50 G

AS OPERATED

EPC	Level	Band
0.78	2	C

AS BUILT

Breakdown of estimated energy consumption



Cooling	Lighting	Auxiliaries	DHW	Others	Generation
442	190	403	88	197	0

EPC	Level	Band
0.99	1	E

GSAS WATER PERFORMANCE LABEL - WPL

Country: XXXXX
Project ID: PO-CO-0000-0000
Project Name: HEAD OFFICE #1
Building Type: OFFICES
Date: Oct / 21 / 2018

BAND

- WPC ≤ 0.50 A*
- WPC ≤ 0.65 A
- WPC ≤ 0.75 B
- WPC ≤ 0.85 C
- WPC ≤ 1.00 D
- WPC ≤ 1.20 E
- WPC ≤ 1.40 F
- WPC > 1.40 G

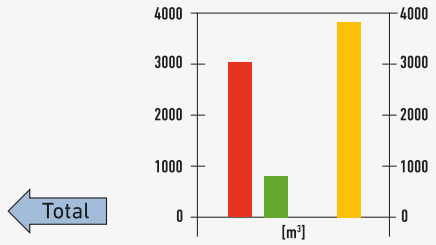
AS OPERATED

Total

WPC_{Total}	Level	Band
0.95	1	D

AS BUILT

Breakdown of water consumption



Total

Indoor-Use	Irrigation	Cooling Tower	Total
3008.65	816.91	0.	3825.57

WPC_{Total}	Level	Band
1.05	0	E

GSAS Design & Build Assessment Schemes

ASSESSMENT SCHEMES

Bespoke	Commercial	Districts	Education	Energy Centers (SEER)
Healthcare	Homes	Hospitality	Interiors	Light Industry
Mosques	Neighborhoods	Offices	Parks	Railways
Renovation	Residential	Sports		

Environment Challenges Resulting from Built Environment

GSAS Design & Build
Plaque of Recognition & Certificate

GSAS Construction
Plaque of Recognition & Certificate

GSAS Certificate
Construction Management

This is to certify that أعطيت هذه الشهادة لـ

اسم المشروع
PROJECT NAME

وذلك لاجتياز متطلبات المنظومة العالمية لتقييم الاستدامة (جي ساس) بنجاح في نظام **إدارة التشييد** والحصول على تصنيف **(Class A)**

has successfully fulfilled the certification requirements of Global Sustainability Assessment System (GSAS) for **Construction Management** achieving **(Class A) rating**

CLASS A

GORD
المنظمة الخليجية للبحث والتطوير
Gulf Organisation for Research & Development

د. يوسف بن محمد الحرّ
Dr. Yousef Mohammed Alhorr
Founding Chairman | رئيس مجلس الادارة

GSAS Operations
Plaque of Recognition & Certificate

GSAS Certificate
Operations

This is to certify that منحت هذه الشهادة لـ

اسم المشروع
PROJECT NAME

وذلك لاجتياز متطلبات شهادة المنظومة العالمية لتقييم الاستدامة (جي ساس) في **التشغيل** بنجاح والحصول على المستوى **الذهبي**
has successfully fulfilled the certification requirements of Global Sustainability Assessment System (GSAS)
for **Operations** achieving **GOLD rating**

GOLD

GORD
المنظمة الخليجية للبحث والتطوير
Gulf Organisation for Research & Development

د. يوسف بن محمد الحرّ
Dr. Yousef Mohammed Alhorr
Founding Chairman | رئيس مجلس الادارة

GSAS Design & Build Categories

GSAS Construction Categories

GSAS Operations Categories

GSAS Design & Build Certification Process

DESIGN & BUILD CERTIFICATION

PROVISIONAL CERTIFICATION (Design Stage)

- Project Registration on GSASgate
- Assessment of Design
- Provisional GSAS Design & Build Certificate - Letter of Conformance (LOC)

FINAL CERTIFICATION (Construction Stage)

- Project Registration on GSASgate
- Conformance to Design Audit (CDA)
- GSAS Design & Build Certificate

GSAS Design & Build
Provisional Certification (LOC) Sample

GORD
المنظمة الخليجية للبحث والتطوير
Gulf Organisation for Research & Development

Issuance Date: xx, xxxx
Ref: LOC/QA 0505-0507

GSAS Design & Build Provisional Certificate
Letter of Conformance (LOC)

To	Company Name
Service Provider	Service Provide Name
GSAS Certificate	GSAS Design & Build (GSAS-D&B)
GSAS Version	GSAS 2019
Certification Stage	Letter of Conformance (LOC)
Project ID	PD-QA-xxxx-xxxx
Project Name	Project Name
GSAS Scheme	GSAS Neighborhood
Location	Qatar

This is to notify that GSAS Trust has assessed the project based on the submitted information. The project is found eligible to receive the Provisional GSAS-D&B Certificate in the form of "Letter of Conformance (LOC)"; achieving the following:

SCORE	STAR RATING
1.160	★★★

The summary of the obtained rating is attached herewith.

This letter is only the predecessor towards achieving the final GSAS-D&B Certificate and should not be considered as the final certificate. The project shall satisfy during the construction stage all the requirements of **Conformance to Design Audit (CDA)** which is a pre-requisite for the final GSAS-D&B Certificate as stipulated in GSAS Technical Guide, www.gord.qa

In the event of any future changes applied to the criteria pertaining to the issued LOC, the changes are required to be re-assessed once again.

Finally, Congratulations for partaking in this noble endeavor, and together let us build a healthy and a sustainable future.

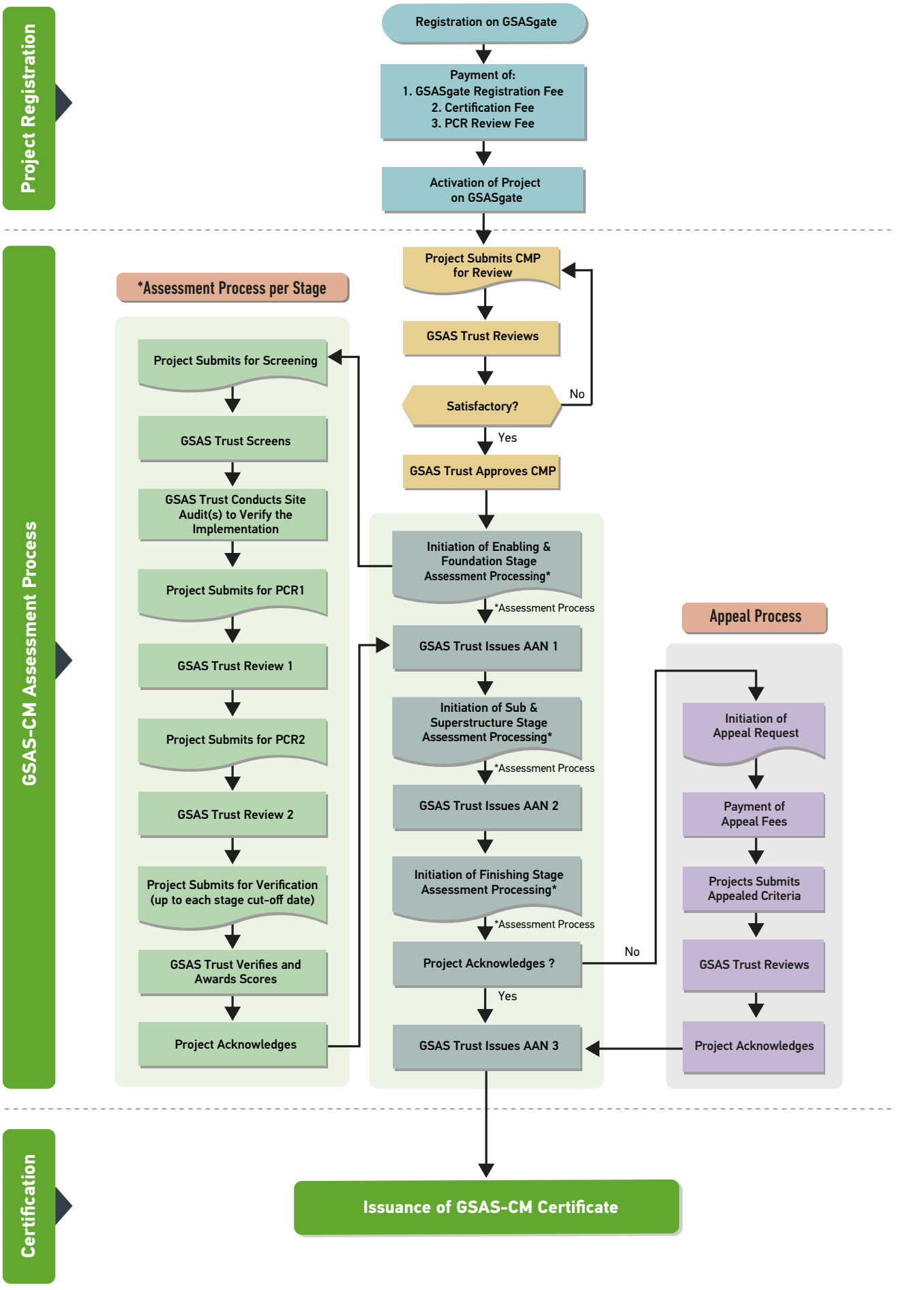
Yours sincerely,

Dr. Yousef Alhorr
Founding Chairman

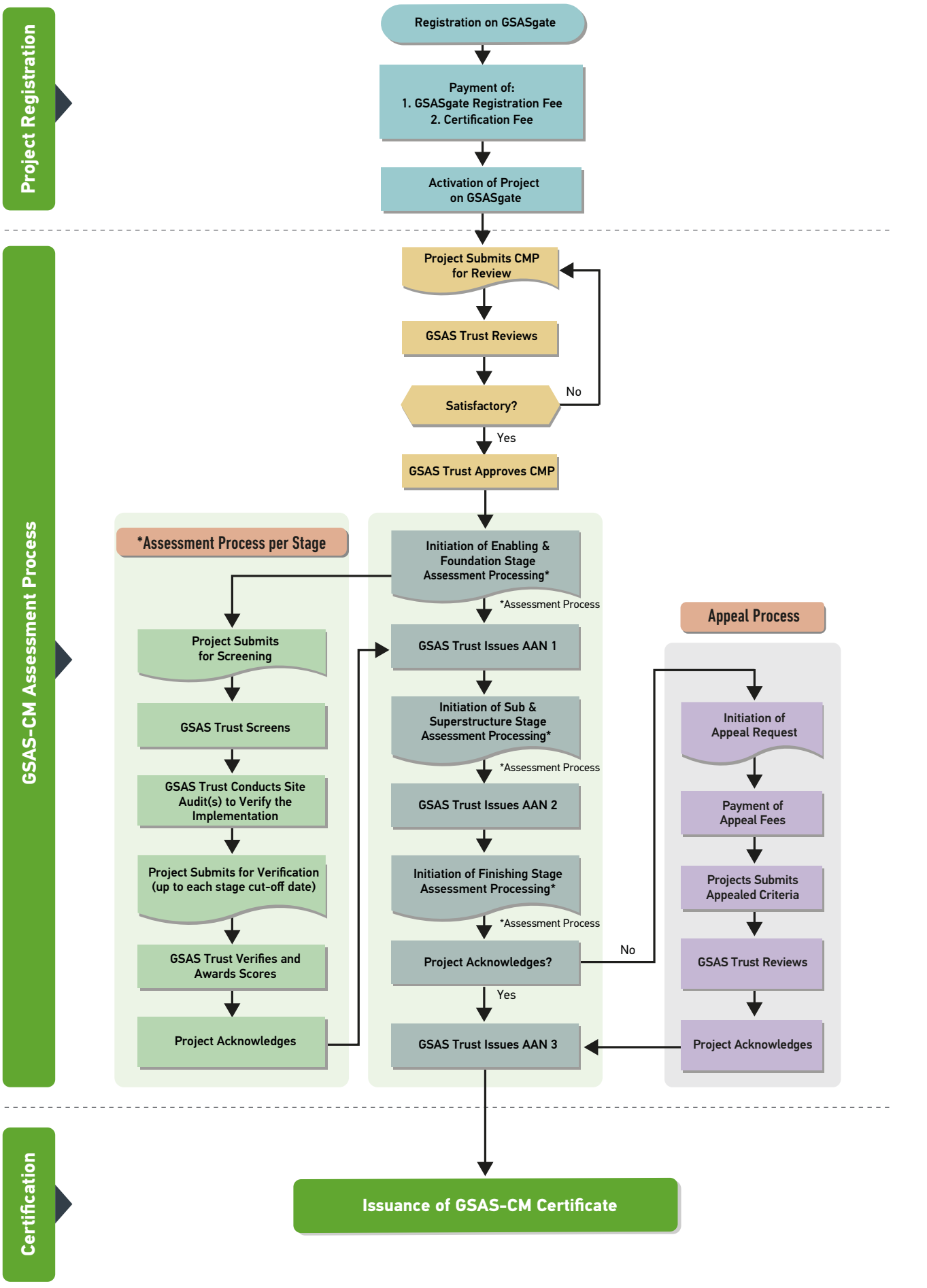
Qatar Science & Technology Park | Tech 1 | Level 2
Suite 203 | P.O. Box: 210162 | Doha - Qatar
T: +974 4404 9010 F: +974 4404 9002
A member of Qatari Diar

واحة العلوم والتكنولوجيا في قطر | تك ١ | الطابق ٢
الوحدة ٢٠٣ | ص.ب. ٢١٠١٦٢ | الدوحة - قطر
ت: ٤٤٠٤ ٩٠١٠ +٩٧٤ ف: ٤٤٠٤ ٩٠٠٢ +٩٧٤
عضو في الديار القطرية

GSAS Construction Certification Flowchart – PCR Route



GSAS Construction Certification Flowchart – Standard Route



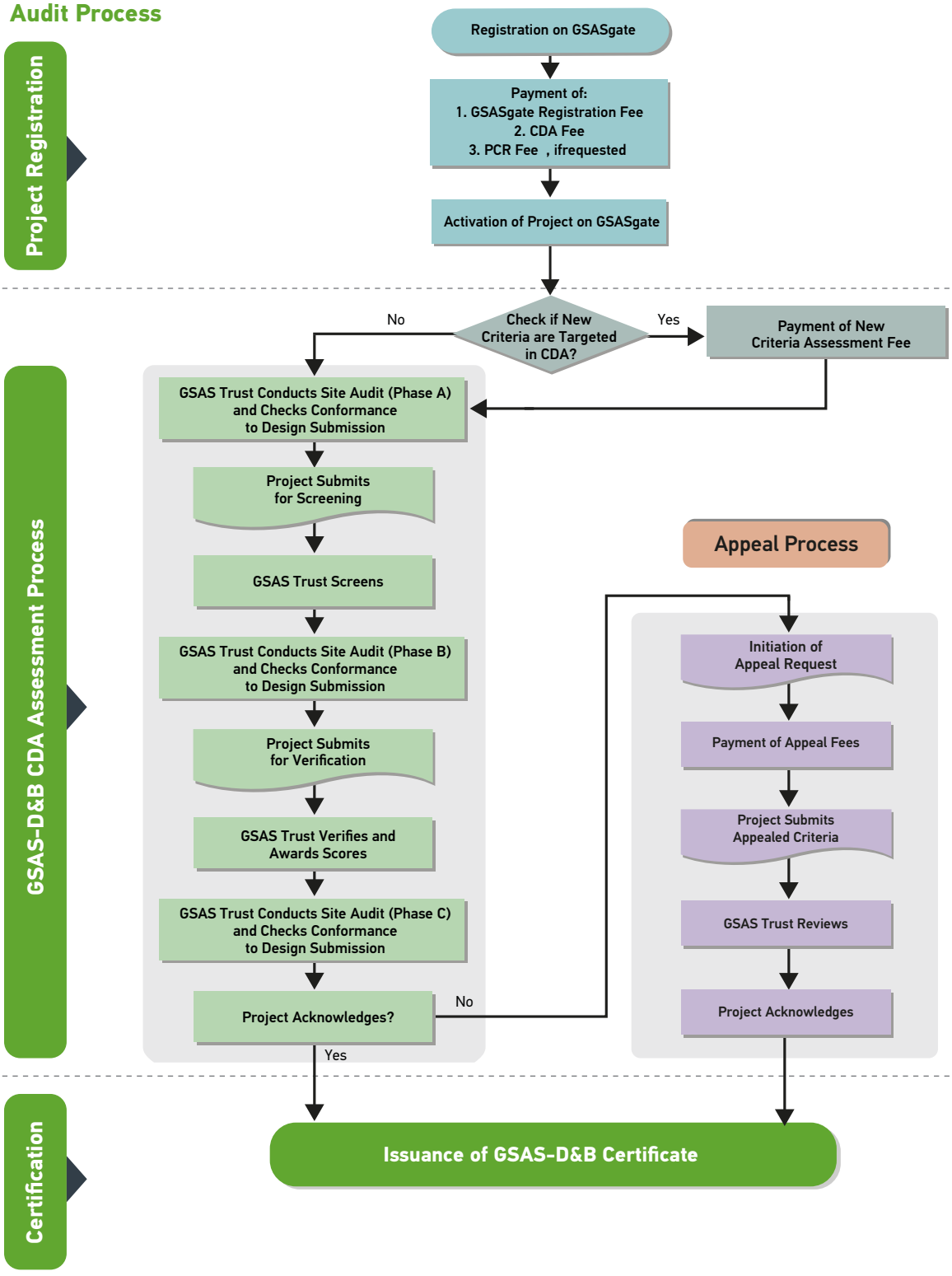
GSAS Design & Build
Provisional Certification (LOC) Sample

Audits Plan:

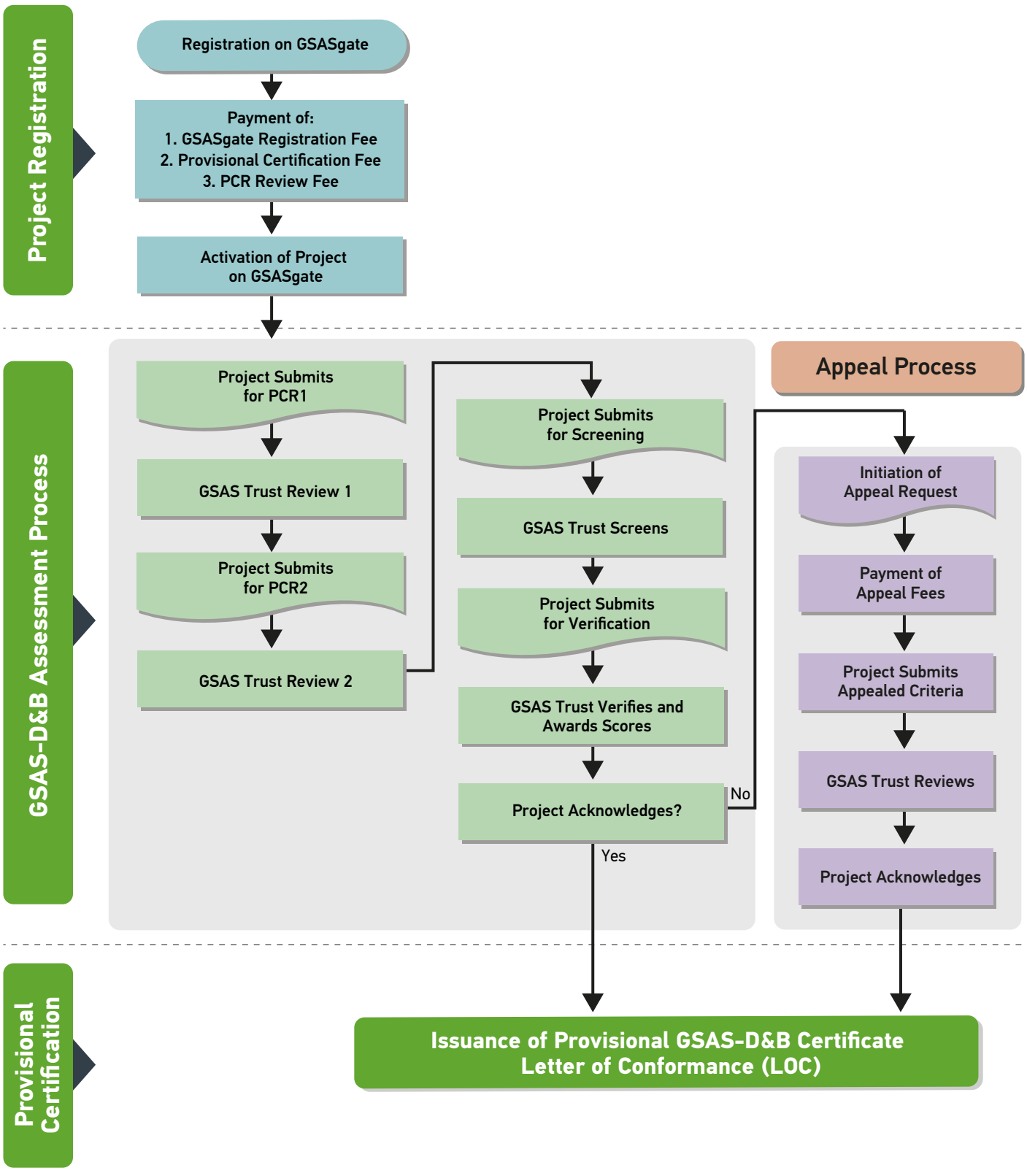
The required number of routine and random audits for a project as outlined in Form - 08 shall be implemented during the following phases:

Phase (A)	Phase (B)	Phase (C)
Envelop Construction Works (Walls, Windows, Claddings, etc.)	Systems Installation	Commissioning Stage/Pre-occupancy

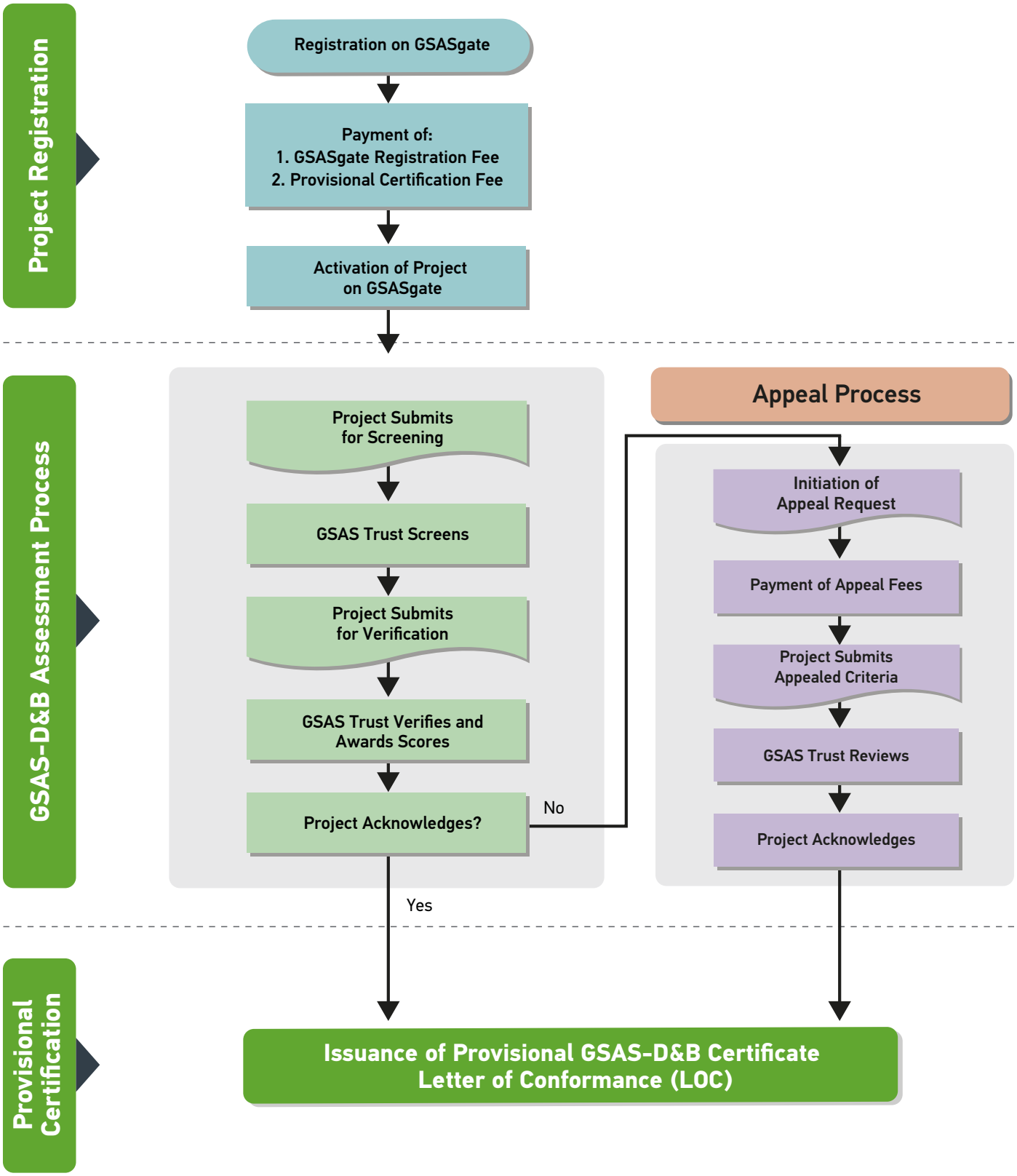
Audit Process



GSAS Design & Build Certification Flowchart - PCR Route



GSAS Design & Build Certification Flowchart - Standard Route



GSAS Operations Certification Flowchart