



USAID
FROM THE AMERICAN PEOPLE

SDA
Smart Distribution Alliance

Smart Distribution Alliance (SDA)

Charter and Proposed Activities

South Asia Clean Energy Forum (SACEF)

Jaipur, India

October 21, 2024



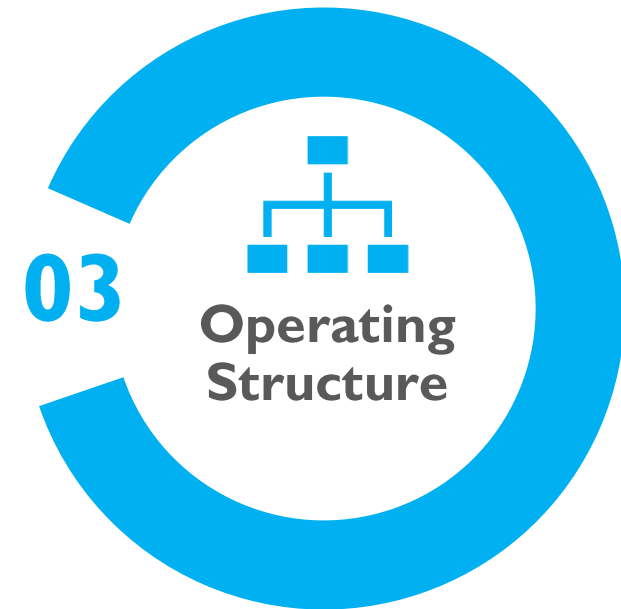
SDA

Smart Distribution Alliance

A platform to connect, share, learn and grow

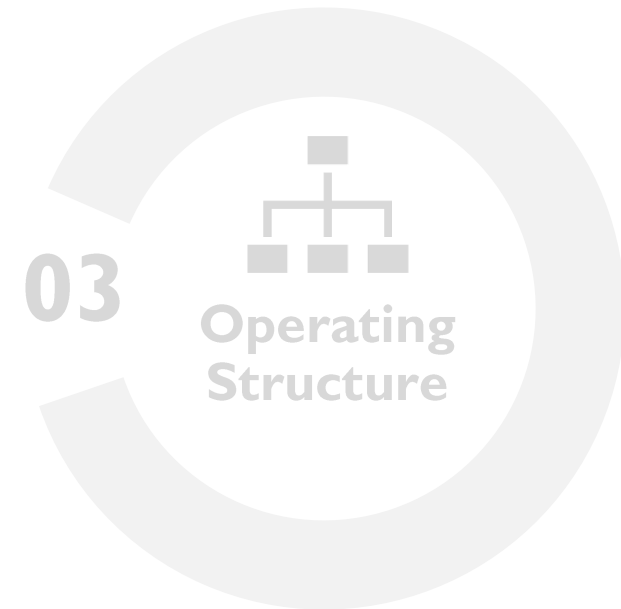
SDA Charter

Defines

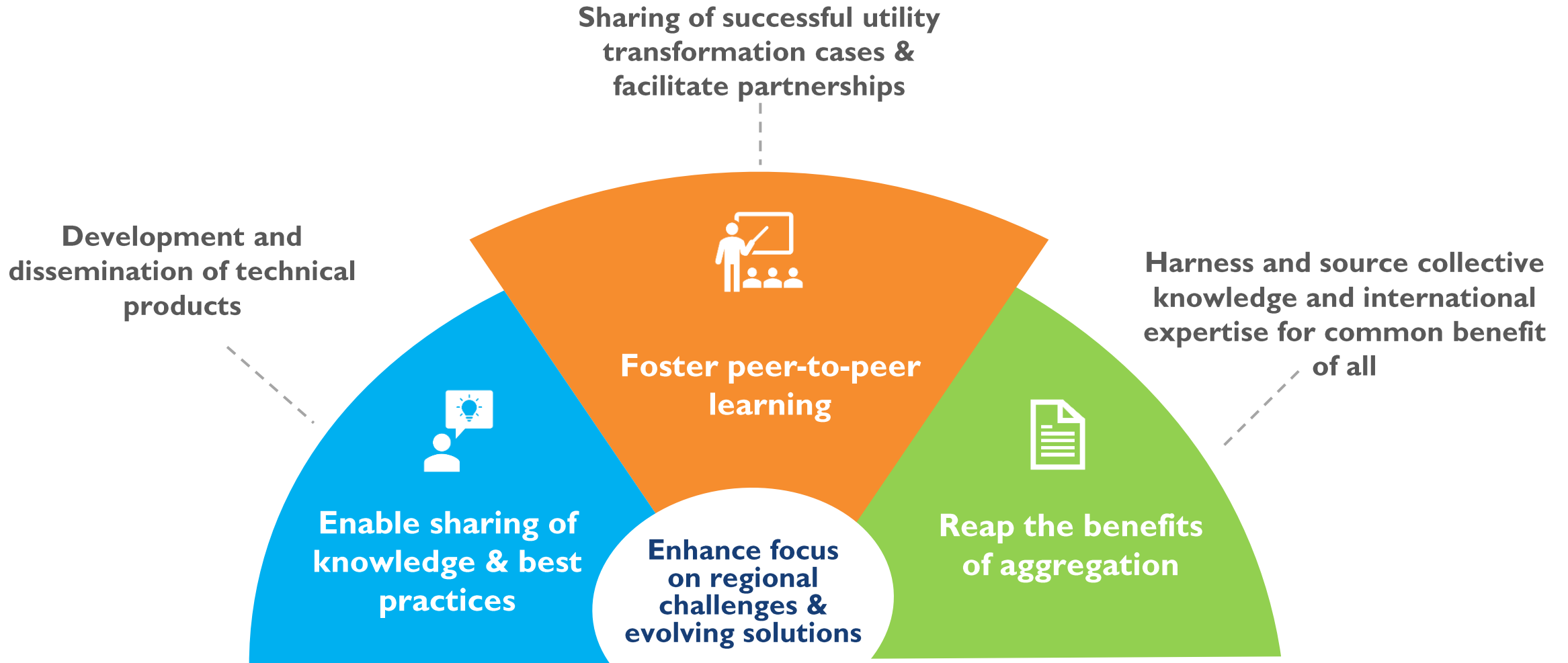


SDA Charter

Defines



SDA objectives

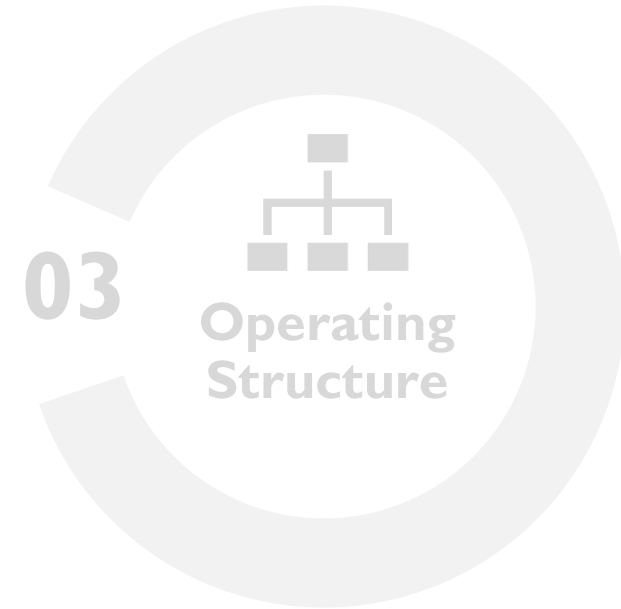


SDA Charter

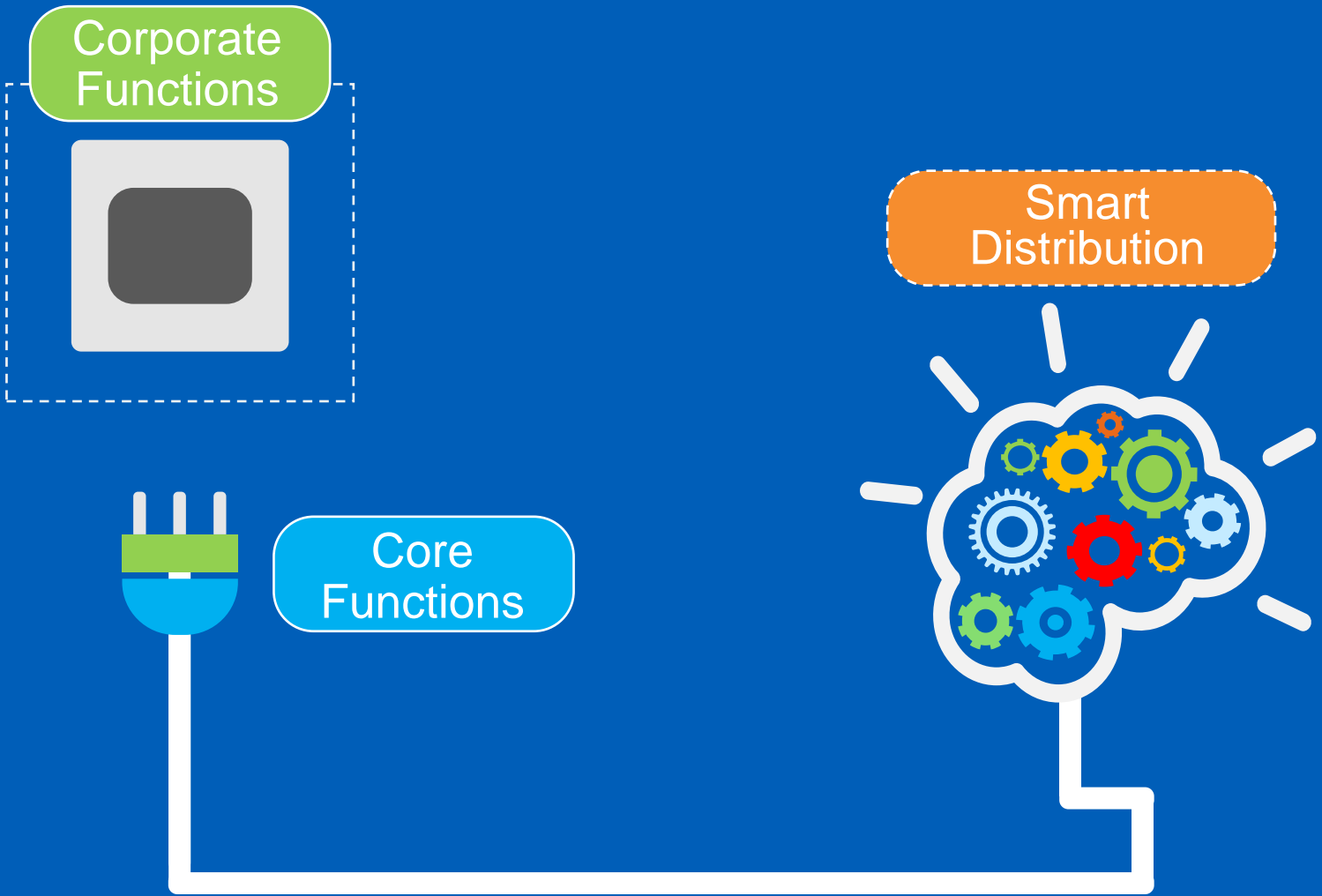
Defines



Concept of smart distribution



Combined transformation of Core & Corporate functions will make utilities truly smart



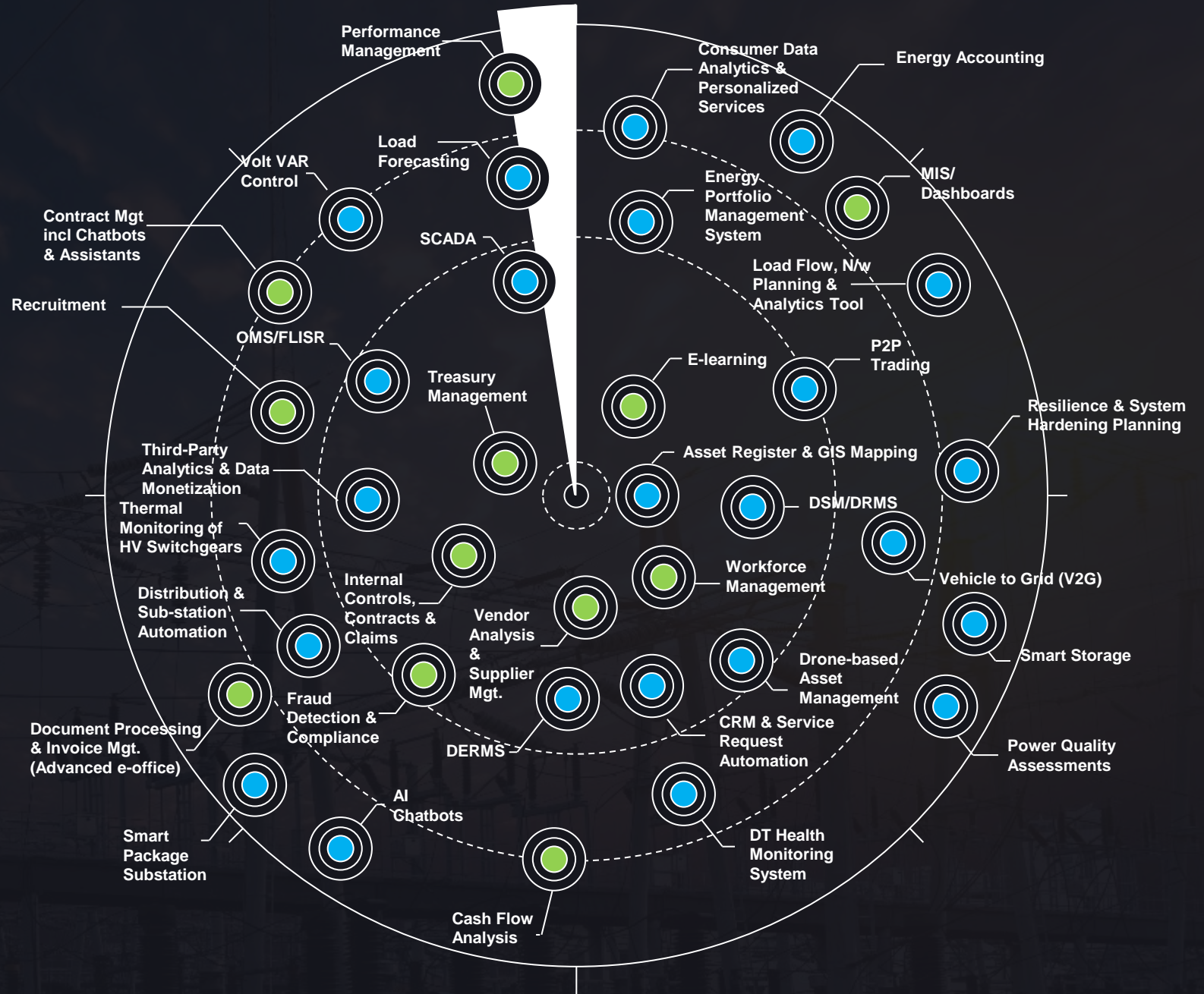
Smart Distribution Solution Suite



Core Functions



Corporate Functions



**Realm of modernization
is expansive, and hence
utilities will need to:**

**Select, evaluate,
implement and monitor**

**SDA provides basis for
experiential learning to
accelerate adoption**



SDA activity calendar & deliverables



Technical Products & Collaterals (Periodic)

Technical reports, Thought Leaderships,
Research papers

Policy and regulatory knowledge series

Model documents and contract templates

Analytical tools, frameworks, approaches
and methodologies

Case studies of utility transformation,
success stories and best practices



Training & Capacity Building Programs (Monthly)

Peer-to-peer learning; Interaction sessions
on utility transformation journey

Regional trainings (network) on power
distribution

Trainings/ knowledge sharing programs/
Webinars



SDA Major Events (three)

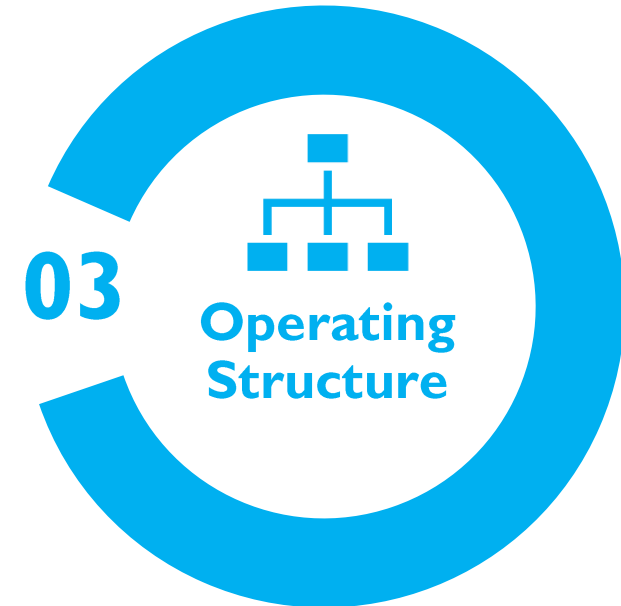
Include 1 to 2 days long workshop
including Advisory Group Meetings

3 Site visits to project sites/ installations./
pilots and manufacturing facilities

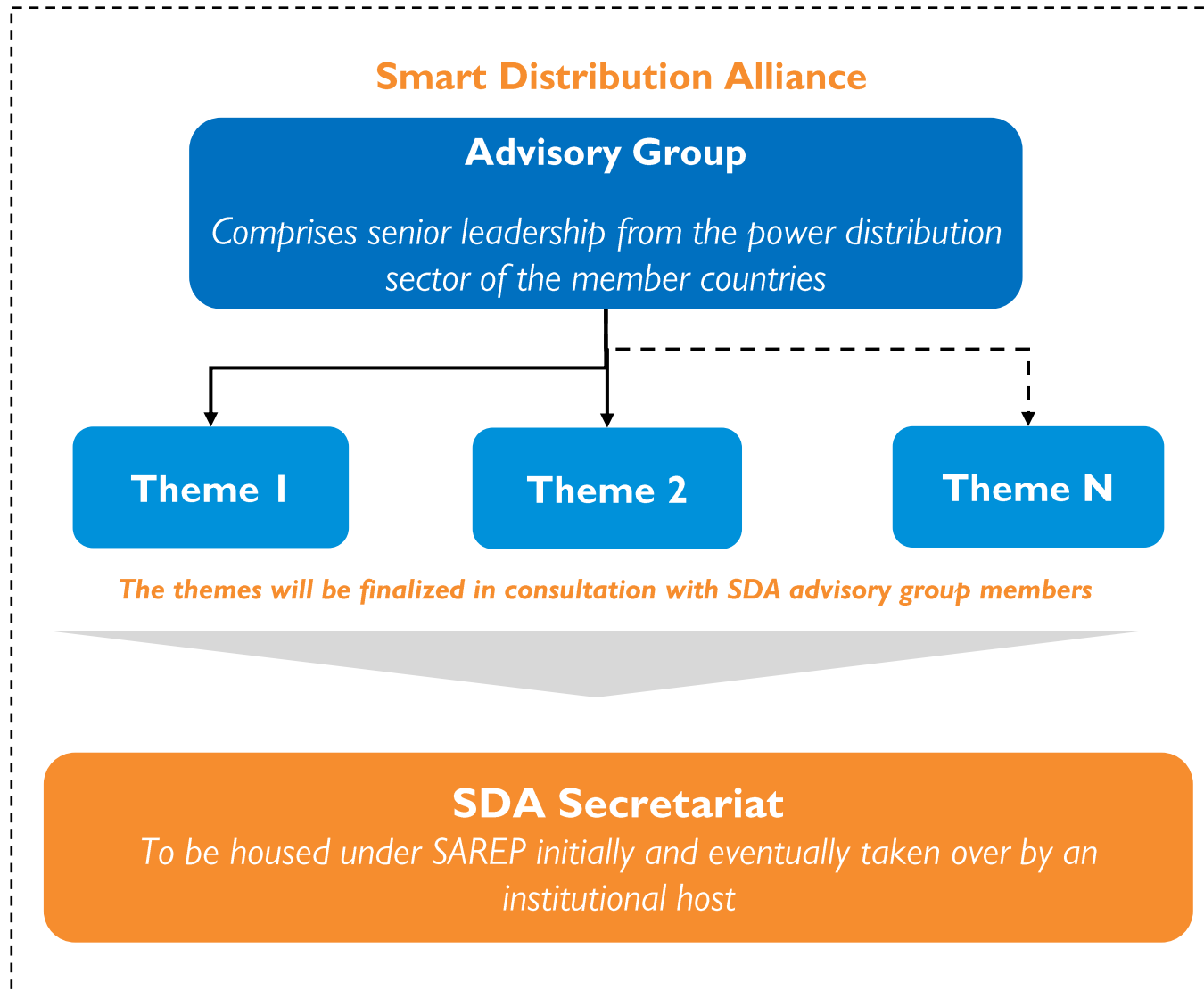
Study tours/executive exchanges/visits to
regional and international installations,
utilities, etc. *(if any)*

SDA Charter

Defines



Operating structure of SDA



Roles and Responsibilities

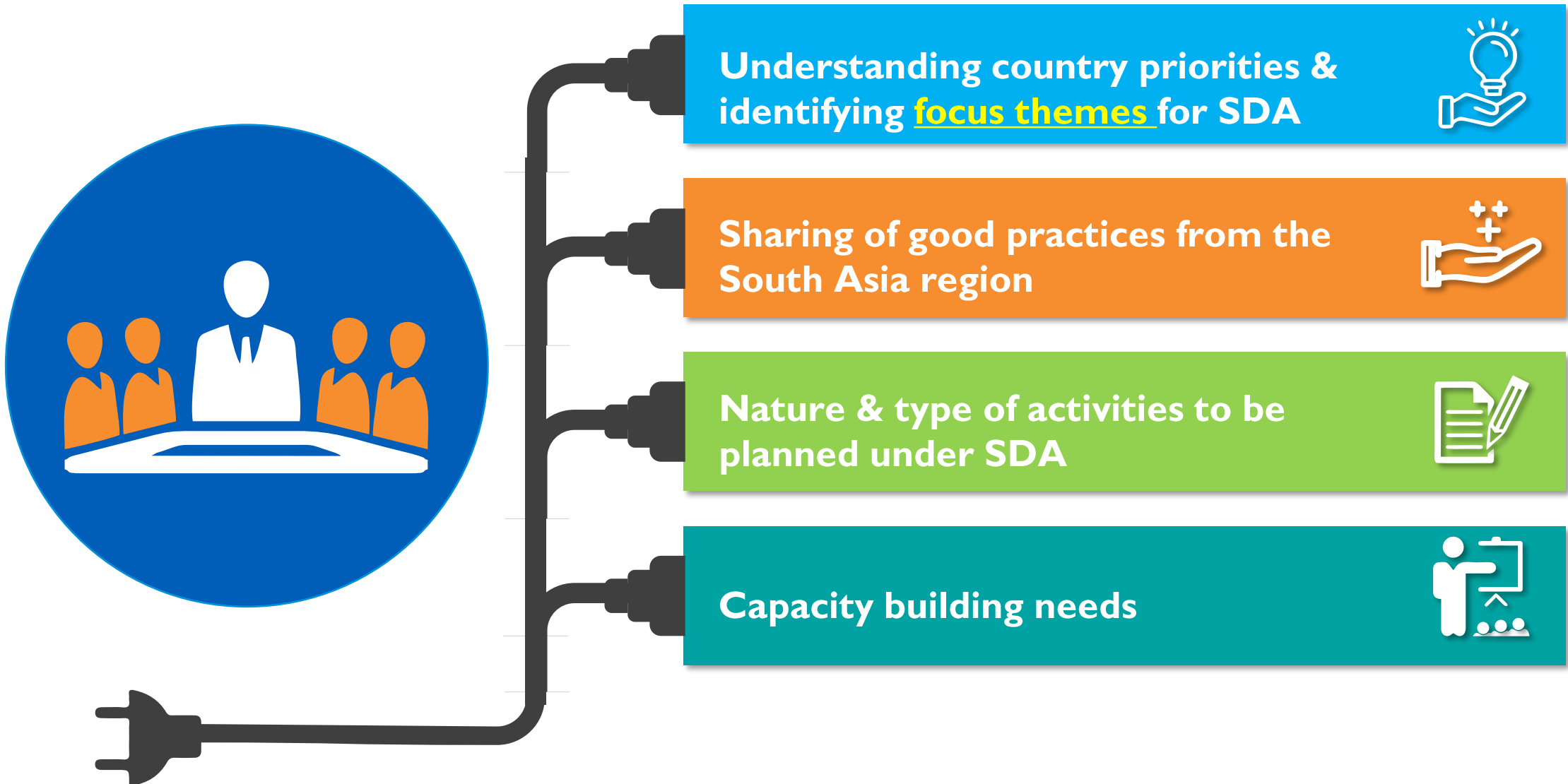
Advisory Group Members

- Provide overall strategic guidance & direction
- Identify key country priorities and themes
- Support in facilitating study tours, capacity building & collaboration opportunities
- Nominate discom SPOCs for regular coordination

SDA Secretariat

- Implement the agreed activities
- Convene periodic meetings & knowledge exchanges
- Facilitate partnerships and international linkages
- Communication and outreach
- Identify institutionalization mechanism

Deliberation with the Advisory Group members on:



Thank you

Ajay Rawat

USAID SAREP

Vikas Gaba



Focus themes for SDA shall emerge from smart distribution solution suite



Core Functions	Revenue Management	Energy Accounting	Energy Portfolio Management System	P2P Trading	Vehicle to Grid (V2G)
	Network Planning	Load Forecasting	Load Flow, N/w Planning & Analytics Tool	Power Quality Assessments	Resilience & System Hardening Planning
	Asset Health Monitoring & Maintenance	Asset Register & GIS Mapping	Drone-based Asset Management	DT Health Monitoring System	Thermal Monitoring of HV Switchgears
	Grid Stability & Operations	Smart Package Substation	Smart Storage	DERMS	Distribution & Sub-station Automation
	Customer Services	OMS/ FLISR	Volt VAR Control	SCADA	DSM/DRMS
	Customer Services	CRM & Service Request Automation	AI Chatbots	Third-Party Analytics & Data Monetization	Consumer Data Analytics & Personalized Services
Corporate Functions	Finance & Accounting	MIS/ Dashboards	Cash Flow Analysis	Treasury Management	Internal Controls, Contracts & Claims
	Procurement	Contract Mgt incl Chatbots & Assistants	Vendor Analysis & Supplier Mgt.	Fraud Detection & Compliance	Document Processing & Invoice Mgt. (Advanced e-office)
	HR, Learning & Development	E-learning	Workforce Management	Performance Management	Recruitment