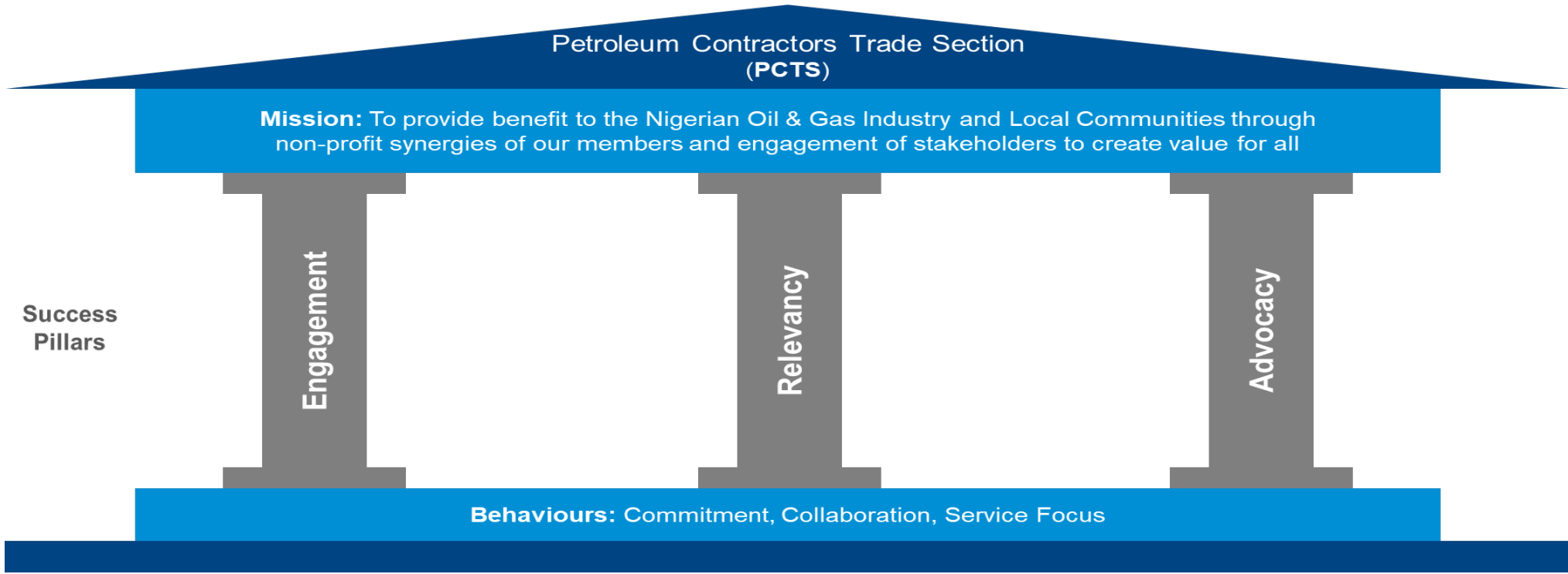




Roles of Stakeholders in R&D Establishment

R&D Roundtable in Nigeria Oil & Gas
Oct 2022

Introduction | PCTS Organization



Member Companies:

Francis Oganya	Oladapo Oyeleke	Okey Okoli	Poul Nielson	Derek Izedonmwe	Nelson Wilbert	Tayo Akinkunmi	Juan Juanicotena	Rosario Osobase
(OD)	(MD)	(ED)	(SD)	(MD) PCTS Treasurer	(CD)	(MD) PCTS Chairman	(MD)	(CD) PCTS Secretary

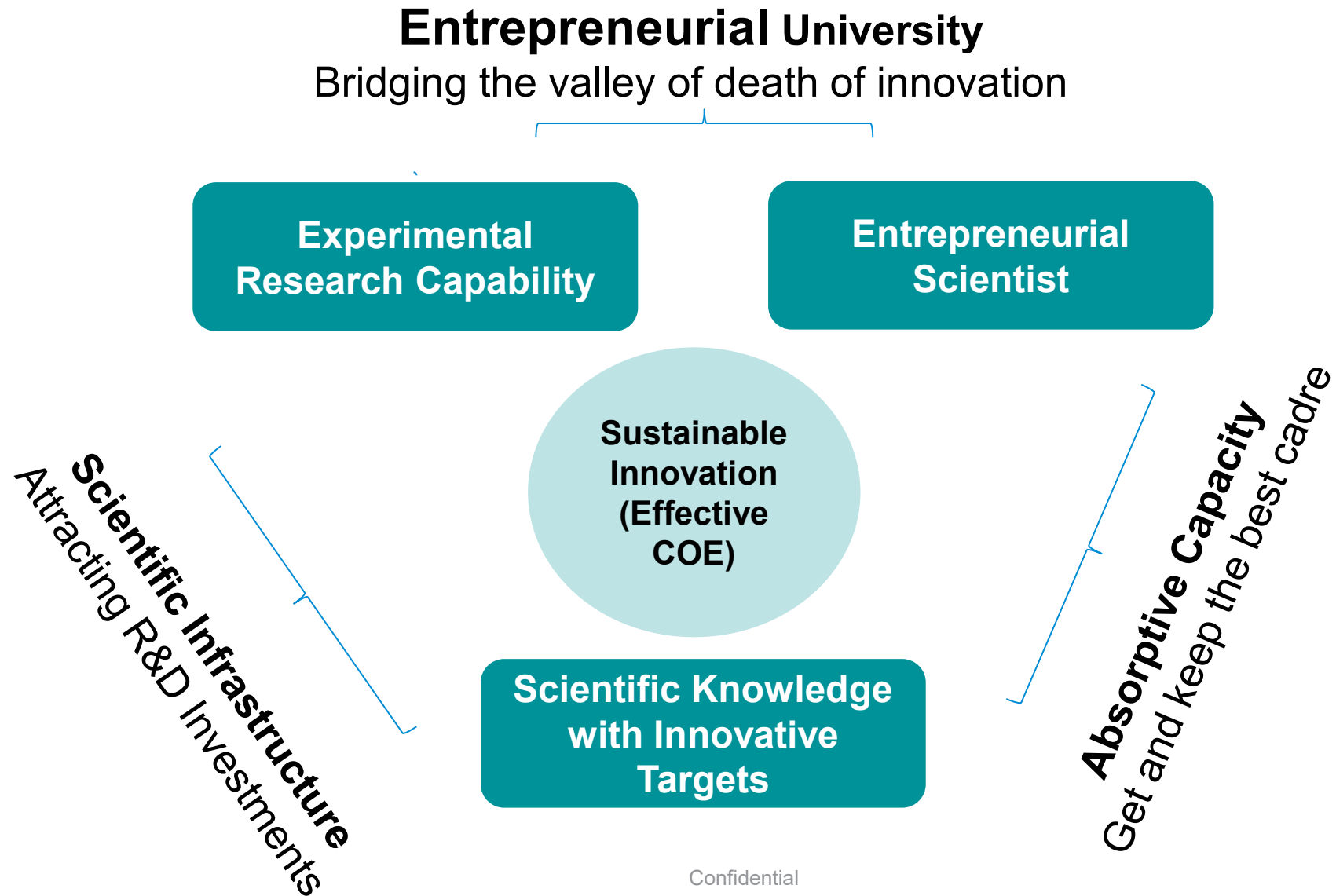




Importance of Sustainable R&D

- R&D leads to Innovation
- Innovation is the appropriate response to turbulent and unpredictable environments
- Beyond immediate economic reward – Global Dominance
- Sustainability: Economic Viability is key
- Economically viable innovation system is the target
 - Entrepreneurial University
 - Avoiding the Valley of Death
 - Absorptive Capacity

Sustainable Research and Development COE



Sustainable Research and Development COE

	Best Practices	Participating Stakeholder's
Experimental Research Capability	<ul style="list-style-type: none"> Investment in Best in-class labs, materials and resources Adopting modern technology and methods Invest in hard-to-find talents 	Government, Academia, Industry
Entrepreneurial Scientist	<ul style="list-style-type: none"> Up to date Curriculum and delivery methods Provide Entrepreneurial Training Industry Exposure & Collaboration 	Government, Industry, Academia
Scientific Knowledge with Innovative Targets	<ul style="list-style-type: none"> Industry relevant research focus Matching research output with industry needs Leverage Industry resources for problem definition and objective 	Industry, Academia

What the PCTS Member Companies are Offering

- Exposure to Industry (Building Skillset)
- Access to Industry Subject Matter Experts
 - Problem Definition
 - Acceptance Criteria Definition
 - Testing Plan and Validation Methodologies
 - etc.
- Access to Testing and Qualification Facilities
- Advisory on go-to-market strategies
- Targeted Funding

Sources:

- ***The valley of death as context for role theory in product innovation*** - Markham et al., 2010
S.K. Markham, S.J. Ward, L. Aiman-Smith, A.I. Kingon
- ***Does knowledge diffusion between university and industry increase innovativeness?*** - Lööf and Broström, 2008 H. Lööf, A. Broström
- ***The three pointers of research and development (R&D) for growth-boosting sustainable innovation system.*** – DavidSarpong, DerrickBoakye, GeorgeOfosu, DavidBotchiea