

ข**้อมูลผลการดำเนินงานด**้านเทคในโลยี

GRI	Required Data	Unit	Data Collection Period			
Standards			2019	2020	2021	2022
	Innovation and Technology					
	Budget for technology research and development	MMUSD	24	12	12.5	18.5
	Projects for technology research and development;	Number of project	72	66	56	65
	Phase 1 (Preliminary Study)	Number of project	10	8	5	15
	Phase 2 (Lab-scale)	Number of project	33	29	23	26
	Phase 3 (Prototype)	Number of project	8	14	14	16
	Phase 4 (Pilot)	Number of project	16	12	10	5
-	Phase 5 (Deployment or Commercialization)	Number of project	5	3	4	3
	Intellectual property registrations					
	Patent	Number	12	9	19	17
	Software copyrights	Number	2	0	0	7
	Publication of the study results					
	Research paper publicized in journals and conferences	Number	12	6	8	8