IT INFRASTRUCTURE FLEXIBILITY MATURITY MODEL

		TECHNICAL DIMENSION		PEOPLE DIMENSION			MANA
		Compatibility Ability to share information within/across IT system	Modularity Ability of IT system to be easily reconfigured	IT Leadership Skill Skills and roles acquired to manage IT projects	Business Functional Skill Responsibility towards intellection of latest IT	Project Management skill Understanding of the nature of construction business	Technical-ori Infrastructure provided to suppor project
Flexible	LEVEL 5	 Integrated and automated File format standardization: An integrated system is used to standardize file formats between the system and other authorized internal/ external systems. Integration interval: Able to integrate in few days. 	Continuous improvement • System design: The automated tool is used to assimilate the design for design usability improvement.	Optimized Teamwork: Perform team-building activities to support continuous development of team competencies. Independence & proactiveness: Autonomous and trust gained, where actions are taken with freedom without influenced by the top management. 	 <i>Expert</i> IT awareness: Establish a data management system and trend analysis. IT learning commitment: Establish a standardized and integrated knowledge management system. Willingness of change: Continuous encouragement with change willingness becomes a culture. Hybrid skill: Harmony understanding between IT and the other departments within a whole organization. 	Performance analysis • CSF awareness: Able to perform IT project CSF analysis and react to changing CSF.	 Advanced str Connectivity: Utilize ope framework in promoting fr interoperability and portal IT security management intelligence into the devel system security tools. Data management: Inte data management tool th across multiple systems, reporting and analyzing.
Extensive	LEVEL 4	 Centralized File format standardization: A centralized and automated tool is used within the system to standardize file format. Integration interval: Able to integrate within a week. 	Adaptive design • System design: The documentation is updated upon new requirements and necessities.	 Challenged Teamwork: Establish an IT Project Management team. Independence & proactiveness: Reliable but need little assistance from the top management. 	 <i>Reliable</i> IT awareness: Perform knowledge sharing activities within organization. IT learning commitment: Document relevant latest IT processes and share within organization. Willingness of change: Enforcement from the top management, by providing information and trainings, with a performance assessment. Hybrid skill: IT team commonly understand business objectives, but without mutual understanding between technical and management team. 	Evaluation • CSF awareness: Able to provide solutions in correspond to IT project CSF.	 Enhanced and Connectivity: Provide in connects to one another automatically. IT security management encryption and establish analysis. Data management: Devin-house data management
Restricted	LEVEL 3	 Standardized File format standardization: Standardized file formats are determined for the whole modules within the system; with manual file conversion exists in standard procedure. Integration interval: Able to integrate in less than a month. 	Standard design • System design: Formal design standards and procedures exist.	 Collaborative Teamwork: Identify roles based on the core competencies required to perform the specific nature of IT project. Independence & proactiveness: Get the activities done proactively using their expertise, with goals set by the top management. 	 Adequate IT awareness: Aware of new IT, with an encouragement from the top management. IT learning commitment: Encouragement from the top management by sending for trainings, conferences, and demonstrations. Informal documentation exists. Willingness of change: Enforcement from the top management without sufficient training to educate. Hybrid skill: An IT manager capable to understand business objectives, but the understanding among individuals varies. 	Best practice • CSF awareness: Aware about IT project CSF, with active involvement in identifying CSF.	 <i>Essential and complexity</i>: Combine network interface intro on interface. IT security managemen statistical data security sy access to systems. Data management: Utility management tools, in iso
Rigid	LEVEL 2	 Limited standardization File format standardization: Standardized file formats in some modules of the system with manual file conversions. Integration interval: Able to integrate in less than 3 months. 	Informal approach • System design: IT documentation and standards are established by a variety of adhoc means, and are localized/informal.	 <i>Compassionate</i> Teamwork: Establish dedicated job descriptions, but roles and responsibility are beyond the job's scope. Independence & proactiveness: Committed and understand the function of the team, and perform the common and repeatable methods for the specific tasks. 	Improved IT awareness: Aware of new IT, on individual efforts basis. IT learning commitment: Learning technology processes on individual effort basis, without an existence of any documentation. Willingness of change: No encouragement from the top management, with change willingness is on individual effort. Degree of hybrid: Limited understanding of business objectives with, minimal guidance from the top management.	Recognition • CSF awareness: Aware about IT project CSF, with identification made by the top management.	 Fundamental Connectivity: Provide int cabled network. IT security management networked IT security to plentire platform, including a Data management: Esta administration on project b
Initial	LEVEL 1	 Unstructured & project-based File format standardization: The system does not support different file format. Integration interval: Able to integrate in more than 3 months. 	No involvement • System design: IT documentation and standards are not established.	 Reliant Teamwork: Form an ad hoc team with minimal understanding of each responsibility. Independence & proactiveness: Aware about the tasks' objectives, but actions taken only under manager's instructions. 	Incompetent IT awareness: Unaware/not interested in latest IT tools. IT learning commitment: Not interested to learn related IT process. Willingness of change: Unwilling to change, and prefer to work within a comfort zone. Hybrid skill: Unguided understanding about business objectives.	Deficient understanding CSF awareness: Little awareness of IT project CSF, and it is based on individual efforts. 	Ad hoc and lo Connectivity: Provide wint IT security management identifications and authent standalone PCs, with com security (anti-malware, ant Data management: Mana using local disk storage.

MANAGEMENT DIMENSION							
Technical-oriented acture provided to support the development of IT project	Management-oriented Management practices for managing IT project						
Advanced strategy nnectivity: Utilize open system nework in promoting full stack eroperability and portability. security management: Utilize artificial eligence into the development of IT stem security tools. ta management: Integrate the in-house a management tool that has search ability oss multiple systems, and include auto- iorting and analyzing.	Established approach for continuous improvement • IT project management: Establish an ability to anticipate future capacity requirements, with IT change management plan is recognized.						
Enhanced and focused nnectivity: Provide network that nnects to one another wirelessly and omatically. security management: Carry out data cryption and establish IT risk and security alysis. ta management: Develop a standalone nouse data management tool.	Service centric and integrated • IT project management: Process efficiency is monitored for improvement by taking into account changing business needs and external factors.						
<i>Essential and consistent</i> nnectivity : Combine more than one work interface intro one physical logical arface. security management : Execute the tistical data security system to control the cess to systems. ta management : Utilize third party data nagement tools, in isolation.	Consistent and comprehensive • IT project management: Consistent standards are used for the whole IT systems.						
Fundamental needs inectivity: Provide internal wireless and ed network. ecurity management: Provide vorked IT security to protect and secure the e platform, including access controls. a management: Establish standalone data inistration on project basis.	Basic approach IT project management: Inconsistency of defined standard approaches used between IT systems.						
Ad hoc and localized mectivity: Provide wireless network. ecurity management: Provide tifications and authentications in dalone PCs, with complete computer urity (anti-malware, antivirus, and firewalls) a management: Manage data is manually	Ad hoc IT processes • IT project management: Unstructured approach to dealing with IT systems.						