GLOBAL
BEST PRACTICES

SOFTWARE ENGINEERING CMMI
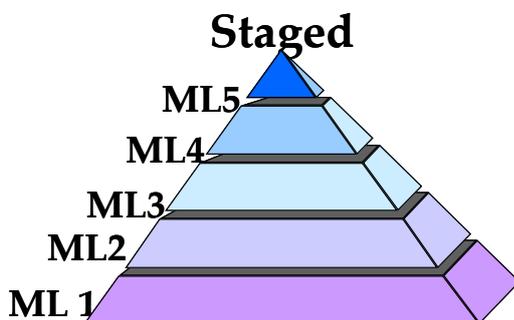## (Capability Maturity Model® Integration)

About CMMI®

The Capability Maturity Model (CMMi®) is for projects or organizations that want to use common, integrated, and improving processes for Systems and Software. It is a process improvement method that provides a set of best practices that address productivity, performance, costs, and stakeholder satisfaction. It is a collaborative effort to provide models for achieving product and process improvement.
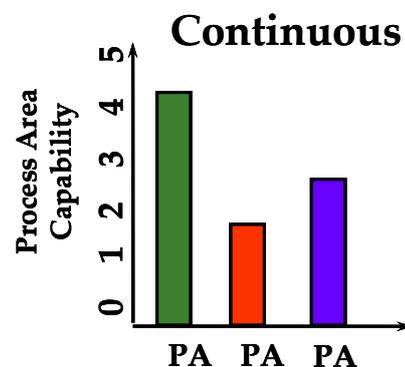
CMMI® is designed so that it can be tailored to business goals set by your organization, unlike many previous process improvement models. The built-in flexibility of the CMMI® provides you the opportunity to choose areas providing biggest "bang for the buck."

The Adoption Approach

CMMI® models are organized in two representations, continuous and staged. They provide alternative approaches to process improvement for familiarity with either approach. Guidance for selecting a representation can be provided as part of our CMMI® gap analysis and training.

Staged

ML5
ML4
ML3
ML2
ML 1

. . .for an established
set of process areas across an
organization

Continuous

Process Area Capability

PA   PA   PA

. . .for a single process area
or a set of process areas

Promised Benefits of CMMI®:

The CMMI® Product Suite is at the forefront of process improvement because it provides the latest best practices for product and service development and maintenance. CMMI® best practices enable organizations to do the following:

- ❖ Better incorporates engineering principles that are critical to software intensive systems
- ❖ more explicitly link management and engineering activities to their business objectives
- ❖ incorporate lessons learned from additional areas of best practice (e.g., measurement, risk management, and supplier management etc.,)
- ❖ Adds customer interface and addresses entire systems life cycle
- ❖ More predictable adherence to budgets and schedules
- ❖ Improved quality of delivered products and productivity
- ❖ Reduced training and assessment costs

CMMI® an IDEALSM Model

IDEAL provides a usable, understandable approach to continuous improvement by outlining the steps necessary to establish a successful improvement program. Following the phases, activities, and principles of the IDEAL model has proven beneficial in many improvement efforts. CMMI® has conceived the IDEAL model and has presented it towards the goal of broader applicability.
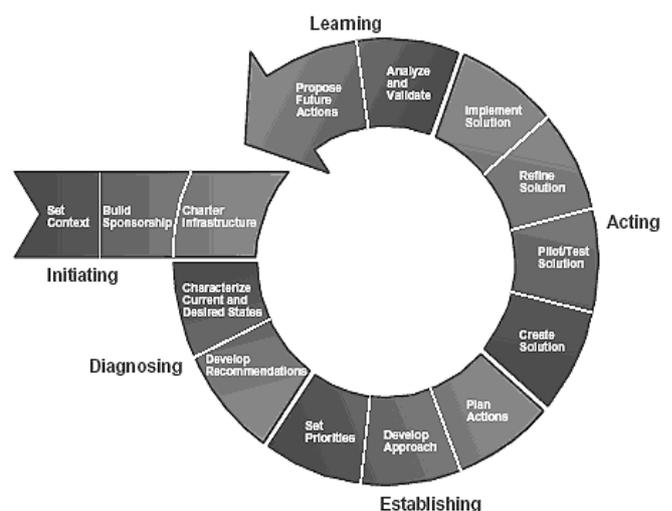
I – Initiating, Laying the groundwork for a successful improvement effort.

D – Diagnosing, Determining where you are relative to where you want to be.

E – Establishing, Planning the specifics of how you will reach your destination.

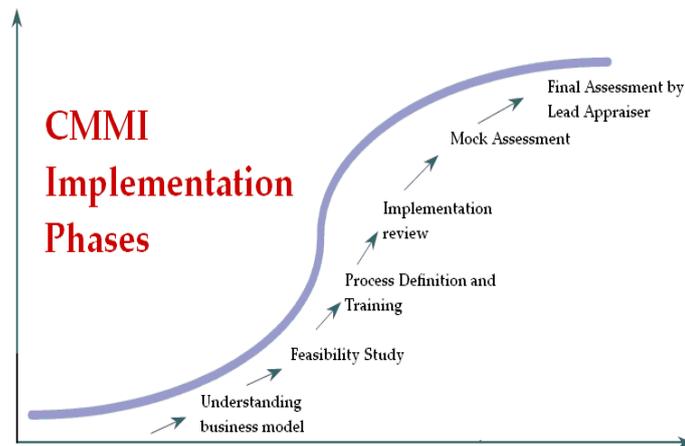**A – Acting,** Doing the work according to the plan.

L – Learning, Learning from the experience and improving your ability to adopt new technologies in the future.

Energized Implementation Methodology:

CMMI® implementation methodology at Energized follows a phased approach which involves **structured guidance** and **hand-holding support** throughout the project lifecycle.

CMMI Implementation Phases

- Final Assessment by Lead Appraiser
- Mock Assessment
- Implementation review
- Process Definition and Training
- Feasibility Study
- Understanding business model

The Company – Energized Corporate Consultant Inc. Sdn. Bhd.

Introduction

The Team

The one burning aspiration that binds this team together is to create and lead a Knowledge Services Organization that will touch the mind and souls of the people and organizations that they work with, creating unparalleled value. A testimony to the value ENERGIZED have created over the years for our customers lies in the fact that, to date, the customers still recognize the effort put in by ENERGIZED and welcome us back into their organizations in their current capacities.

Our Strength

Our unique **Project Management methodology (L.E.A.P) and Change Management methodology (I.D.E.O.L.O.G.Y.)** gives companies the edge required for the successful roll-out of strategy to achieve their goals and objectives. Having identified the areas of improvement for an organization, we help companies realign their Business Processes to meet their strategic objectives and further if required re architect and plan their IT initiatives to meet the demands in the dynamic business environment. This is where a holistic view of people, process and technology makes the leap from 'vision' to deliverables & impacts. Quality is a way of life at ENERGIZED Inc. and a part of the corporate practice both internally and sold as a service to our customers.

Our Experience (Our Company and Our Consultants)

Qinetic Solutions Berhad
Qinetics is a dynamic IT Service Organization that delivers Internet Services and Enterprise Solutions. As a leading registrar in the South-east Asia and Greater China regions, Qinetics recently engaged Energized in the journey pursuing quality excellence, namely CMMI-Dev Maturity Level 3.

Partial Clientele:

Ministry Of Home Affairs Brunei Darussalam – CMMI SVC Level 3
Ministry Of Defense Brunei Darussalam – CMMI ACQ Level 3
PROKHAS Sdn Bhd (Malaysia Ministry of Finance) - CMMI DEV Level 3
Kompakar eBiz Sdn. Bhd. – CMMi DEV Level 5
EXTOL MSC Berhad. – CMMi DEV Level 3
INFOVALLEY Group of Companies – CMMi DEV Level 3
Heitech Padu Berhad – CMMi DEV Level 3
Modular Corp. Sdn. Bhd. – CMMi DEV Level 3
iPerintis Sdn. Bhd. – CMMi DEV Level 3
Edaran Berhad – CMMi DEV Level 3
Qinetics Solutions Berhad – CMMi DEV Level 3
Agile Matrix Solutions – CMMi DEV Level 3
Quantumbeez Sdn Bhd – CMMi DEV Level 3
QnE Sdn Bhd – CMMi SVC Level 3
MESINIAGA Berhad – CMMI DEV Level 3

Our Advisor – Father of CMMI (Mike Konrad)

Mike Konrad is **chairman** of the **CMMI Configuration Control Board** and has been a team leader of CMMI model development **since 1998**. Mike was also a member of teams that developed Software CMM version 1.0, Software Development Capability Evaluation, and International Organization for Standardization 15504 model requirements. Mike has **24 years experience** in software engineering, holding various positions in industry and academia. Mike received a Ph.D. in Mathematics from Ohio University in 1978. He has also been dubbed as the **"Father"** of CMMI and has written many books which lead towards the betterment of the CMMI model.

Grants and Subsidies

Multimedia Development Corporation (MDeC) has launched their CDP CMMI Programme to fund MSC-Status companies to acquire trainings, consultancy and assessment services from professional consultancy organization to attain CMMI® certification.

Malaysian Industrial Development Authority (MIDA) has also launched its Services Sector Capacity Development Fund (SSCDF) to help services sectors to increase their capability and reduce impact of liberization. Qualified companies can attain up to RM250,000 matching grant to pursue CMMI certification.

Kindly contact us at 03-20.939.717 or email info_malaysia@energized-inc.com for more information.

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