

Engagement with Anexas



It is about teams of employees working to improve process quality – every step of the way

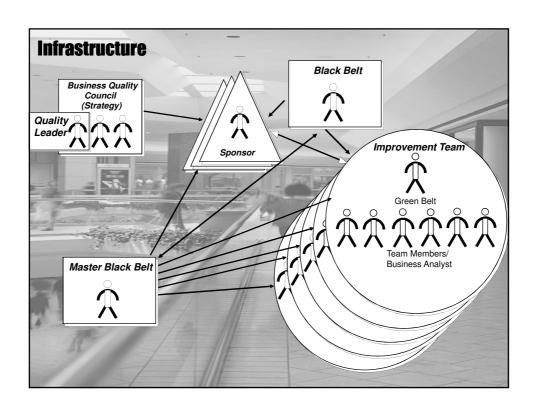
Each improvement project is lead by a highly trained agent of change – A Green Belt/ Black along with the team

For every project there is a senior management sponsor or Champion

The Approach

Six Sigma projects are selected based on the "voice of the customer" and strategic business objectives



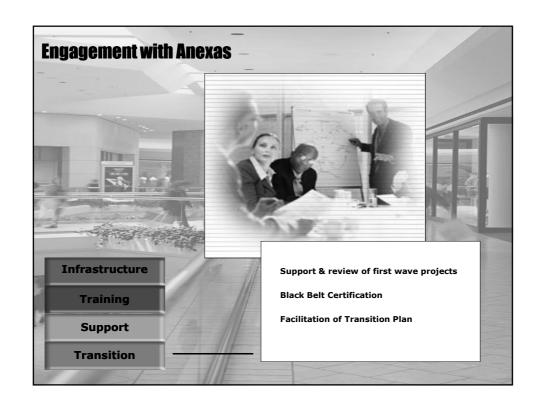




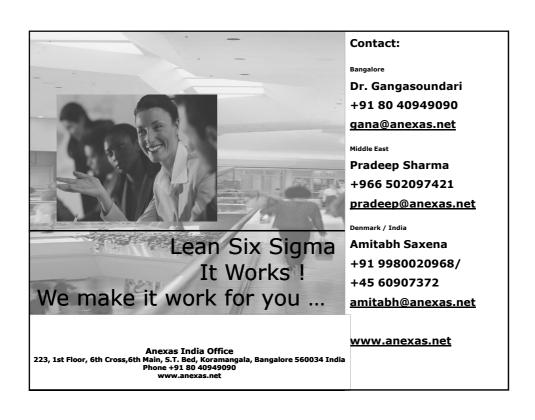
Training Plan

- > Training is conducted for 8-10 days onsite
- Training can be conducted continuously for 10 days or spread over 2-3 months (2-3 days per week)
- Every participant attending the training does process improvement project which leads to FINANCIAL GAINS to his organization
- This is to ensure that participants are able to apply learning from the class room, and implement it in their work place and come back with queries in the next session
- Thus participants work on live projects along with the training
- Fortnightly review of the projects and training done by Anexas

We also conduct Open House training programs in Bangalore, Riyadh, Copenhagen, London, New Delhi, Mumbai, Pune, Chennai, Hong Kong, Mysore, Hyderabad, Kolkata, Nagpur and Bhilai







	AGENDA FOR GREEN BELT TRAINING							
Time	Day 1	Day 2	Day 3	Day 4				
9:30	SPACER	Measure Phase – Data Collection	Details -Measure Phase	Introduction – Improve Phase				
10:00	Introduction	Baseline Sigma Calculation	Metrics	Brainstorming techniques and Pilot				
11:00	Introduction to	Analyze phase -VA- NVA, Process mapping, Lean tools	Data Collection	Benchmarking, 6-3-5, Pugh matrix, 6 Hats techniques				
12:00	Six Sigma	Cause & Effect Diagram / Matrix	Sigma level Calculation, Z-st and Z-lt	Introduction to Control Phase				
13:00	Break	Break	Break	Break				
13:45	Define Phase – Project Charter, CTQ, Kano Analyisis and SIPOC	Pareto Analysis with Exercise	Presentation skills, Project teams	Control Charts – XBar- R. X-MR, p, np, c, and u charts				
14:30	Project Selection by group and Application of DefineTools	Improve Phase – FMEA with exercise	Introduction to Minitab	Control Chart Exercises on Minitab				
15:30	Change Management and Stakeholder Analysis	Control Phase – Documentation, Process management Charts	Basic Analysis in Minitab with exercises	Revision				
16:00	Basic Statistics – Standard Deviation	Presentations by Participants, Questions and Answers	Project Reviews Presentations by Participants	Exam (Open Book)				
17.30	Wrap-up	Wrap-up	Wrap-up	Wrap-up				

	A	GENDA FOR BLACK B	ELT TRAINING		
Time	Day 5	Day 6	Day 7	Day 8	
9:30	Revision	Tests for Attribute data	Hypothesis Tests Revision	Full Factorial Experiments Analysis	
10:00	Measurement System analysis	Chi Square test	Binary Logistic Regression	Use of Design of Experiments	
11:00	Basic Statistical Analysis on Minitab	Correlation and	Hypothesis Tests for non-normal data	Analysis in Minitab with exercises	
12:00	Introduction to Hypothesis Testing	Regression	Exercises	Case study - Exercise	
13:00	Break	Break	Break	Break	
13:45	Test of Means, t- test, Z-test	Exercises	Introduction to Design of Experiments	Revision	
14:30	Test of Proportions, 2 proportions test	Multiple Regression	Types of designs		
15:30	Test of means for more than 2 samples - ANOVA	Exercises on Multiple Regression	OFAT design	Exam (Open Book) Wrap-up	
16:00	Presentations by participants	Presentations by Participants, Questions and Answers	Full Factorial Experiments		
17.30	Wrap-up	Wrap-up	Wrap-up		

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Consultants Profile - Anexas Consulting

Our full time internationally recognized professionals have 8- 20 years of experience in a wide variety of industries and disciplines including six sigma, business process management, simulation, quality auditing, quality assurance/quality control and regulatory compliance and product stewardship.

Our process excellence, assessment and process advisory and services staff holds specialized degrees in various disciplines and have led more than 400 six sigma process improvement projects across the globe. Some of our personnel have been examiners for prestigious quality awards like the North America shared services award, Symbiosis Lean Six Sigma Process Excellence awards, Confederation of Indian Industry (based on EFQM model) Quality Award. Our team members have been involved with numerous six sigma projects resulting in savings of millions of dollars. They have participated as speakers and chairpersons in prestigious conferences across the globe on process excellence like IQPC, NASSCOM, WCBF, Indian Statistical Institute, Marcus Evans, etc.



Consultant Profile (Manufacturing and Services) - Amitabh Saxena

Background

Amitabh Saxena is a Six Sigma Master Black Belt with 19 years of quality related experience in services and manufacturing domains. He is trained in Six Sigma at AXA University, Paris and has implemented Six Sigma and Lean in 7 organizations in India, UK, Middle East and Thailand. By education, he is a Chemical Engineer and MBA (Finance) from Jamnalal Bajaj Institute of Management Studies, Mumbai.

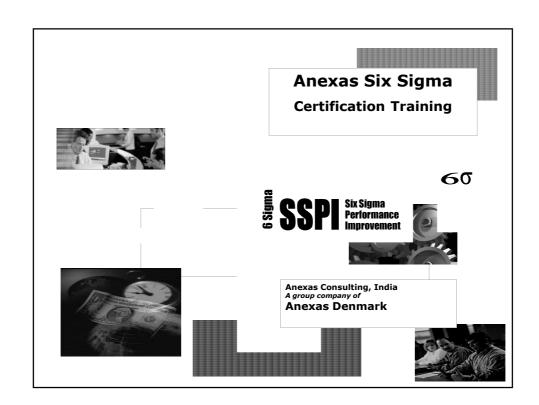
Experience Summary (Manufacturing and Services Industries)

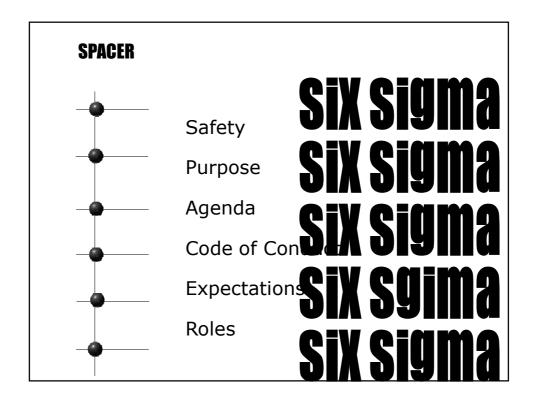
Presently Amitabh is with Anexas as Six Sigma Master Black Belt, consulting leading organizations in Europe and Middle East on six sigma and process excellence implementation. His last corporate assignment was as Vice President – Transformation with Deutsche Bank Group. Amitabh has experience in various domains like ITES, banking, manufacturing, petrochemical industries, software organizations, financial and insurance companies. He has worked at senior Six Sigma positions in OfficeTiger-RR Donnelley, AXA, KPMG and was also associated with Quality Mission Project of Indian Statistical Institute; Indo Rama (Thailand) Ltd and Bharat Petroleum.

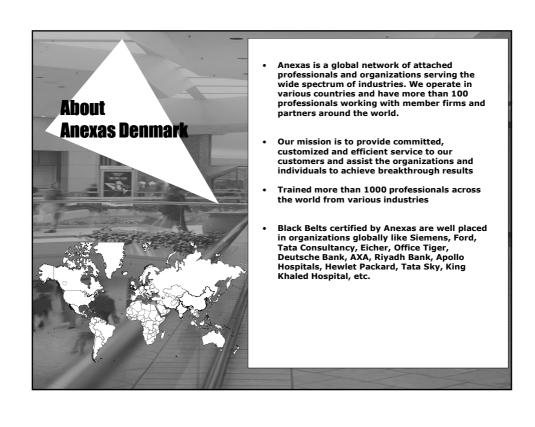
Work in Process Excellence include:

As Master Black Belt, Amitabh has guided more than 200 improvement projects, trained more than 350 Black Belts and 600 Green Belts. He has also trained more than 1000 middle and senior management personnel in Lean, Balanced Score Card, ISO 9000, Project Management, CMM and Statistical Process Control. He has spoken at global and national six sigma summits for IQPC, Marcus Evans, Indian Statistical Institute, NASSCOM, NIQR, CII, Benchmark and chaired leading conferences on Process Excellence in UK, US, Middle East, India and several European countries. He is also on the panel of judges for North America Shared Services Process Excellence awards and Symbiosis Lean Six sigma Excellence awards.











About Anexas

Anexas is a Six Sigma Training and Consulting organization with presence across the globe



- Group of more than 50 process improvement consultants located in 6 countries across the globe (US, UK, UAE, Saudi Arabia, Singapore and India)
- Black Belts certified by Anexas are well placed in organizations globally
- In India we conduct regular programs in Bangalore, Chennai, Mumbai, Delhi, Nagpur and Bhilai
- For more information visit website www.anexas.net



Now we introduce ourselves...

- Your name
- What you do at your organization
- Any one thing which not many people know about you!

Administrivia

- Breaks
- Lunch
- Cell Phones
- Facilities
- Speed We are going to move very fast
- •
- •
- •

Expectations

- Your turn....
- •
- •

Achievements Of Companies Who Have Adopted Six-Sigma

ASEA BROWN BOVERI

KODAK

RELIANCE INDUSTRIES

LARSEN & TOUBRO

ABB

CITI BANK

ALLIEDSIGNAL - INDIA





JOHNSON & JOHNSON **TEXAS INSTRUMENTS** J.P. MORGAN

POLAROID **SEAGATE TECHNOLOGIES** GODREJ MARUTI UDYOG

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SIEBE APPLIANCE CONTROLS BAJAJ AUTO CITIBANK

SATYAM COMPUTERS

SONY TOSHIBA MODI XEROX

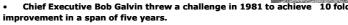
ALLIEDSIGNAL/HONEYWELL

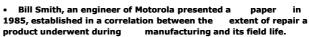
GLAXCOSMITHKLINE

History of Six Sigma

Conceptualized at Motorola during 1979 management meeting an

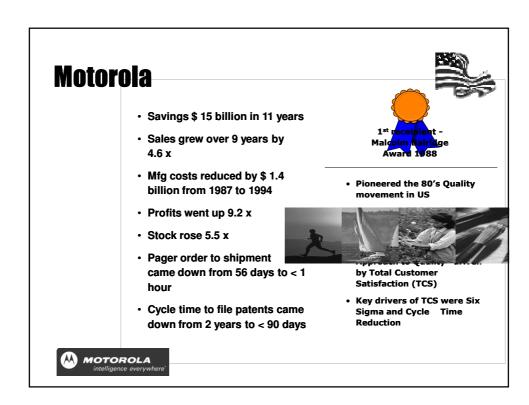
"The real problem at Motorola is that our quality stinks

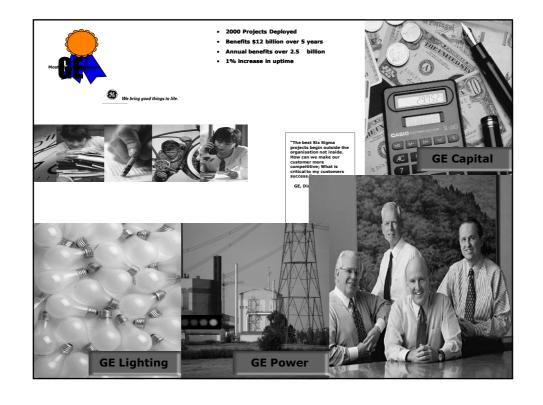




Mikhel Harry, subsequently developed a structured Six Sigma approach.

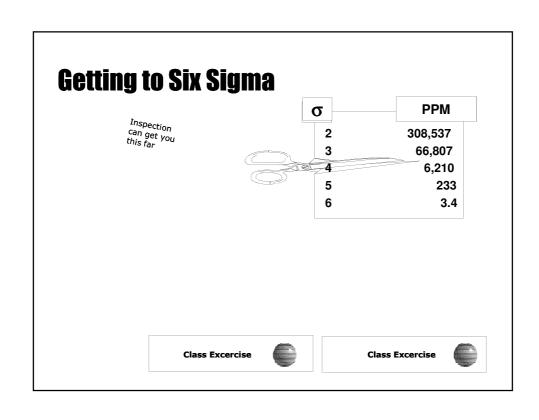






Understanding the Differences

SIGMA	AREA	SPELLING	MONEY	TIME	DISTANCE
3σ	Floor space of a small hard- ware store	1.5 misspelled words per page in a book	\$2.7 million indebtedness per \$1 billion in assets	3 1/2 months per century	Coast-to-coast trip
4σ	Floor space of a typical living room	1 misspelled word per 30 pages in a book	\$63,000 indebted- ness per \$1 billion in assets	2 1/2 days per century	45 minutes of freeway driving(in any direction
5σ	Size of the	1 misspelled word	\$570 indebtedness	30 minutes	A trip to the
	bottom of your telephone	in a set of encyclopedias	per \$1 billion in assets	per century	local gas station
6σ	Size of a typical diamond	1 misspelled word in all of the books contained in a small library	\$2 indebtedness per \$1 billion assets	6 seconds per century	4 steps in any direction



Inspection Excercise

Task

Count the number of times the 6th letter of the alphabet appears in the following text

The necessity of training farm hands for first class farms in the fatherly handling of farm live stock is foremost in the eyes of farm owners. Since the forefathers of the farm owners trained the farm hands for first class farms in the fatherly handling of farm live stock, the farm owners feel they should carry on with the family tradition of training farm hands of first class farmers in the fatherly handling of farm live stock because they believe it is the basis of good fundamental farm management.

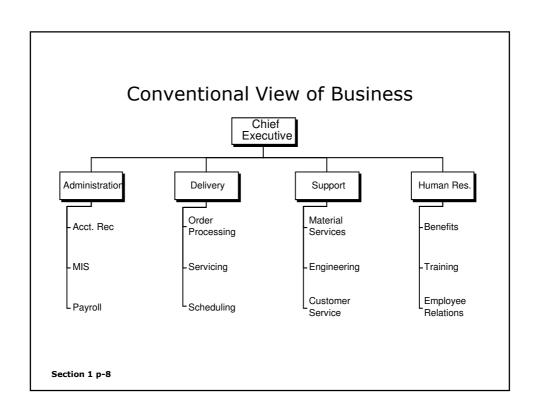
Inspection Exercise - solution

Task:

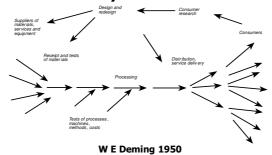
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Systems Thinking



What We Mean by "System"



A network of interdependent components which work together to achieve the main aim

W E Deming 1993

Section 1 p-5

CB Vision and Mission

Our vision We create opportunities in global commerce

Our mission

- Our mission

 We will fulfill our vision by:

 Truly understanding our clients and their business

 Offering second-to-none transportation solutions

 Being profitable and delivering sustainable, profitable growth

 Continuously reducing costs and increasing efficiency

 Offering our colleagues personal growth and a motivating place to work

 Being innovative

 Being good corporate citizens

