Enterprise Solutions

Range of Company-Wide Management Tools

Enterprise Solutions

1. Quality Yield Productivity (Multi Line)
2. Quality Yield Productivity (Single Line)
3. Training Needs Analysis
4. Staff Performance Eval
5. Statistical Process Control
6. Total Productivity Maintenance
7.
8. Audit Management
9. Document Control
10. ISO Implementation Toolkit
11. Attendance Monitoring
12. Inventory Monitoring for Stock In
13. Inventory Monitoring for Finished Goods
14. Utilities for Events, Communication and Rooms

Quality Yield Productivity (QYP ML)
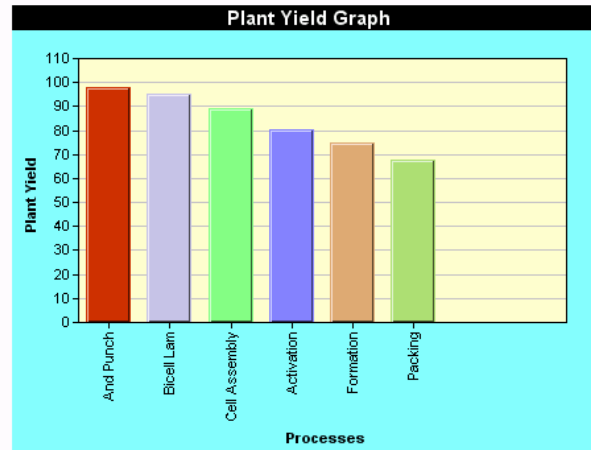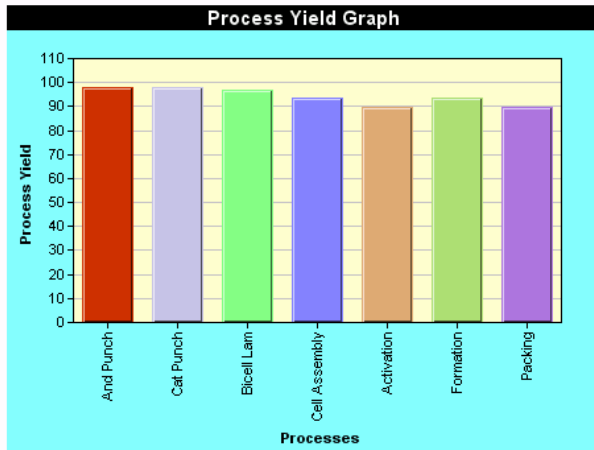
Belmah Strategies

Quality Yield Productivity

Select By Date

From : 01/Oct/2004
To : 20/Nov/2004   [View Graph]

Plant Yield

	And Punch	Cat Punch	Bicell Lam	Cell Assembly	Activation	Formation	Packing
Input	23400	23400	22792	22080	20660	19030	17794
Output	22961	22909	22117	20667	18562	17814	16001
Rejects	439	491	675	1413	2098	1216	1793
Excess							
Hijacked	31	74	38	7	90	43	
Process Yield	98.12 %	97.90 %	97.04 %	93.60 %	89.85 %	93.61 %	89.92 %
Rank				3	1		2
Plant Yield	98.12%		95.22%	89.12%	80.07%	74.96%	67.40%

Process Yield Graph

Plant Yield Graph

QYP
- Build the process
- Enter process data
- View variously
  - By Date
 - By Batch
  - By Area
  - By Process
  - Etc.

Belmah Strategies

Plant Yield

	And Punch	Cat Punch	Bicell Lam	Cell Assembly	Activation	Formation	Packing
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Needed by all companies
(unless they have some type of ERP)
Daily tracking
Monthly tracking
Yearly tracking

Process Yield Graph

Current AO Performance
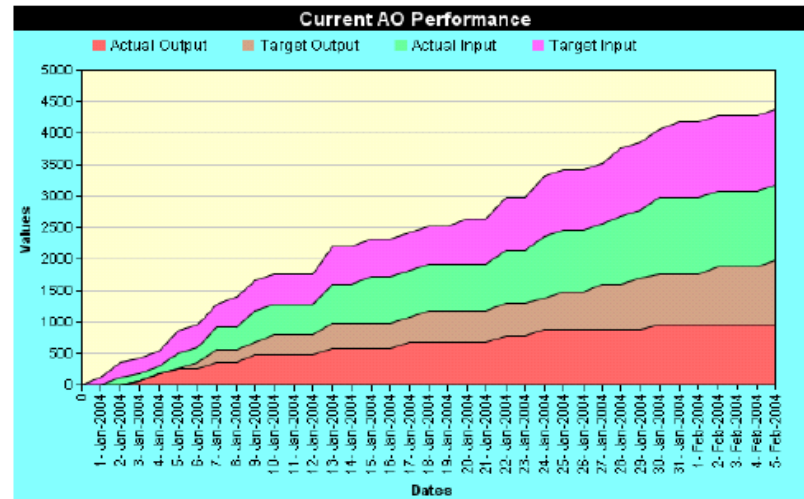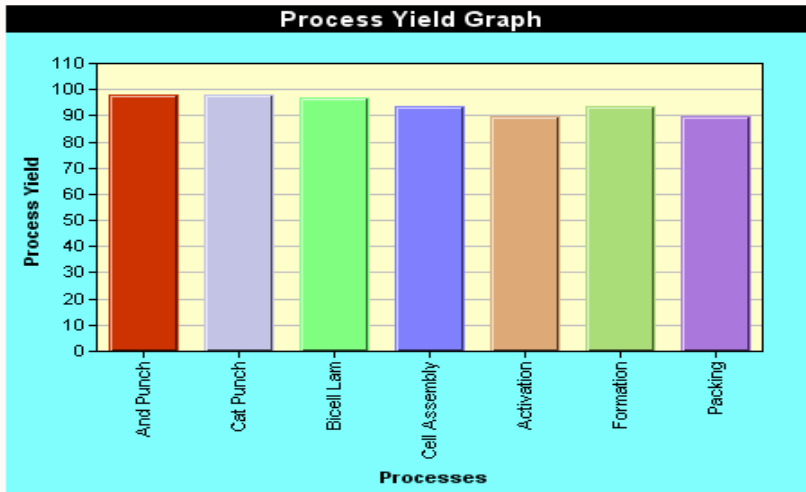
Low Process Yield?
Chain to Projects Section
to improve the process

**Provides information needed for continuous improvement to face changing customer needs**

Training Needs Analysis

Training by Topics

No	Employee No	Employee Name	Status
1	Emp0026	Shairy	Completed
2	Emp0033	Rozita	Completed
3	Emp0025	Azman333	Completed
4	Emp0014	Shamel	Scheduled
5	Emp0004	Ramam	Scheduled
6	Emp0015	Marliza	Scheduled
7	Emp0001	Balan	Scheduled
8	Emp0023	Shazlee	Scheduled
9	Emp0038	Hari	Scheduled
10	Emp0007	Fauziahh	Not Scheduled
11	Emp0022	kamal	Not Scheduled
12	Emp0003	P	Not Scheduled
13	Emp0029	Mahalil	Not Scheduled
14	Emp0030	Zakuan	Not Scheduled
15	Emp0008	Hailmy	Not Scheduled
16	Emp0037	Senthil	Not Scheduled
17	Emp0036	Saleh Drus	Not Scheduled
18	Emp0034	Chan	Not Scheduled
19	Emp0035	Zaitul	Not Scheduled
20	Emp0027	Halim	Not Scheduled
21	Emp0028	Fariq	Not Scheduled
22	Emp0021	Paagal	Not Scheduled
23	Emp0002	vinod	Not Scheduled
24	Emp0018	Ho	Not Scheduled
25	Emp0039	Ravi Kumar	Not Scheduled
26	Emp0017	Shaari	Not Scheduled
27	Emp0032	Rohana	Not Scheduled
28	Emp0011	Thulasi	Not Scheduled
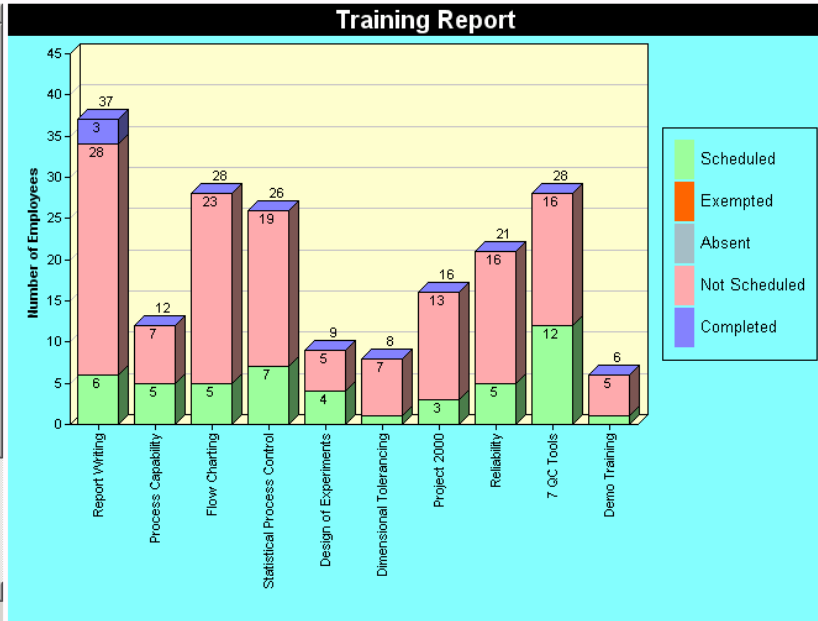
TNA
- Training Planner
- Training summary
  - By Department
  - By Topic
  - By Employee
  - Etc.

Training Needs Analysis
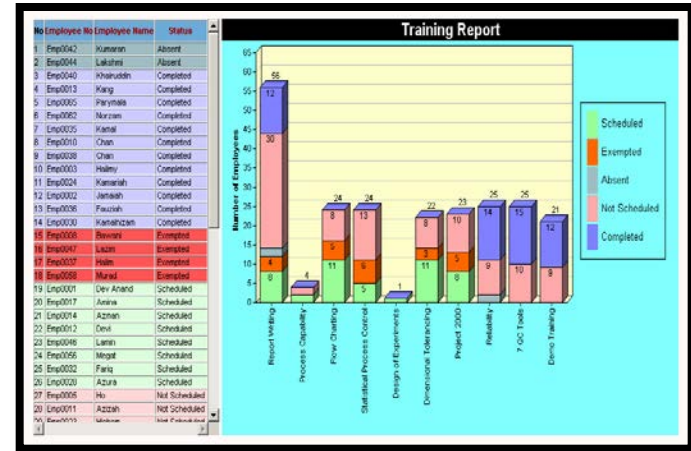
Personal Training Year Planner

Training Report

Training Schedule

Training Planner

Staff Performance Evaluation

Belmah Strategies

Employee Review

Employee	Department

[Close] [Save] [Submit]

Employee Name	IR0003 -- Miss. Azizah Mamat
Date Of Joining	01-Apr-2004
Date Of Leaving	
Template Name	Temp001 -- Template 1
Template Created Date	05-Dec-2005

Review Date	10/12/2005
Review Period	From 04/26/2005 To 09/22/2005
Review By	IR0013 -- Mr. Chee Kang
Conclusion	Not completed yet because of the Raya holidays.
Review Status	Not Completed

Template

Monitor Employee Reviews

Follow-up on trends in on or all employees

Create different templates for different skill levels

Cumulative Employee KPI

From 01/01/2004 To 12/31/2006 [View] [Choose Employees List]

No.	Employee ID.	Employee	Total KPI
1	EMP04543	Mr. Thirumalai Kuppusamy	55.2 %
2	IR0001	Mr. Amina Hameed	11.5 %
3	IR0002	Mr. Ang Koon Long	
4	IR0003	Miss. Azizah Mamat	69.9 %

Display By ⦿ Employee Id ◯ Employee Name

KPI Between 01-Jan-2004 And 31-Dec-2006
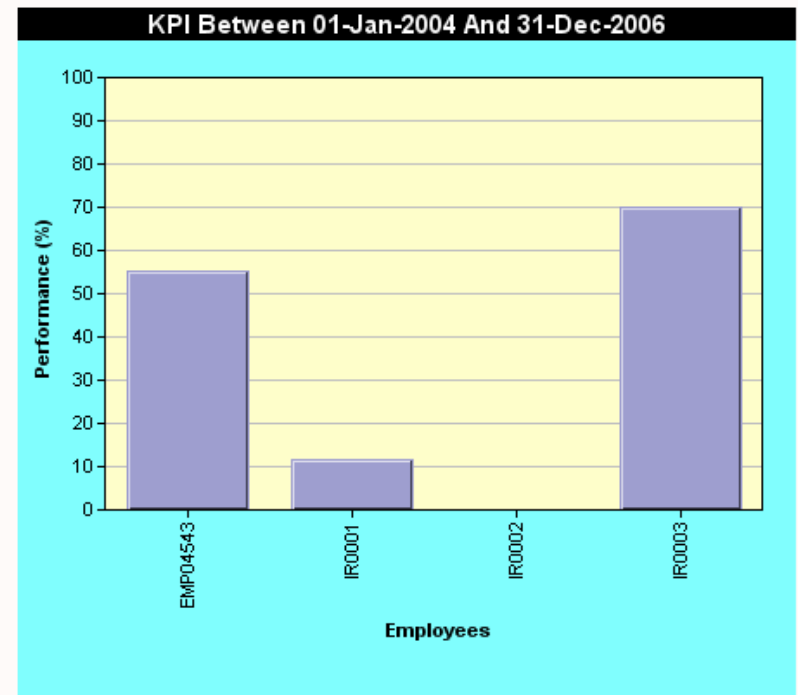
TOP

Schedule to SPC Chart

Belmah Strategies

SPC

- Track every machine
- All conventional charts
- More being added
- No calculation needed

Statistical Process Control

Name of the Study	Molding Process						XBar Chart		R Chart		Spec Spread	68	Process Capability	
Name of the Machine	Atkinson Molding Machine	Specification	34.00	USL	71	UCL (X)	34.16	UCL (R)	6	s =	1.277	cp	8.873
Type of Data Collected	Cavity dimension	Upper Limit (+)	37.00	LSL	3	CL (X)	32.25	CL (R)	2.63	Process Spread	7.664	Process Capability Index	
Unit of Measurement	Millimeter	Lower Limit (-)	31.00	Tolerance	68	LCL (X)	30.33	LCL (R)	0	Half Process Spread	3.832	cpk	7.632

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Year	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2004
Date	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/11	10/21
Hours	11:41	11:41	11:41	11:41	11:41	11:41	11:41	11:41	11:41	11:41	11:41	11:41	11:41	11:41	02:33
Shift															1
Employee Name															Vinod
Sample 1	31.00	34.56	30.00	31.00	32.00	30.00	31.00	31.00	34.56	32.00	35.00	30.89	31.00	32.00	31.89
Sample 2	32.00	35.56	31.00	33.00	31.00	35.00	34.00	32.00	35.56	35.00	32.00	30.88	31.00	35.00	30.89
Sample 3	33.00	33.25	32.00	32.00	30.00	31.00	33.00	33.00	33.25	31.00	31.89	30.87	31.00	36.00	32.56
Sample 4	32.00	31.89	31.56	32.00	32.00	32.00	31.00	32.00	31.89	35.00	30.59	30.90	31.00	34.00	31.33
SubGroup Average	32.00	33.81	31.14	32.00	31.25	32.00	32.25	32.00	33.81	33.25	32.37	30.89	31.00	34.25	31.67
SubGroup Range	02.00	03.67	02.00	02.00	02.00	05.00	03.00	02.00	03.67	04.00	04.41	00.03	00.00	04.00	01.67

XBar R Chart

Monitor Variations in the process
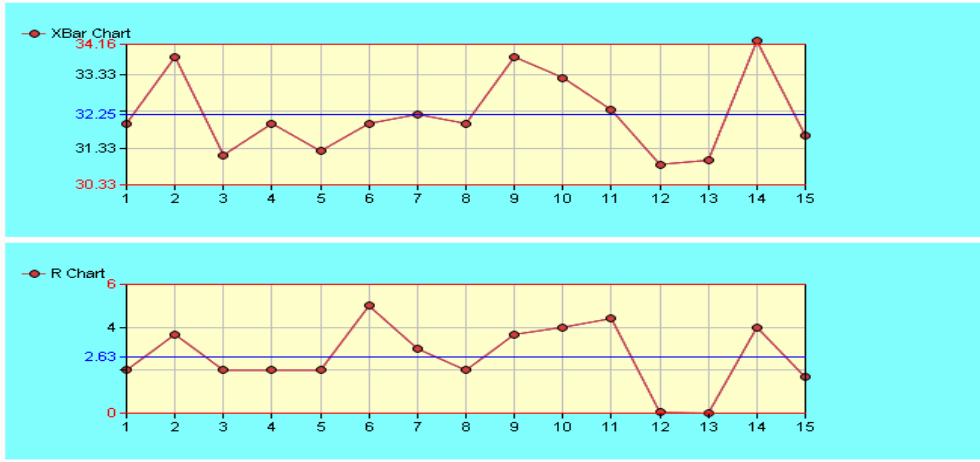
Even minor variations are detected for immediate analysis

Total Productive Maintenance

TPM

- Track every machine
- Track downtime
- Track repair time, etc.
- Generate machine data
  - MTBF,
  - MTTF, etc
- Maintain spare parts!!

Total Productive Maintenance
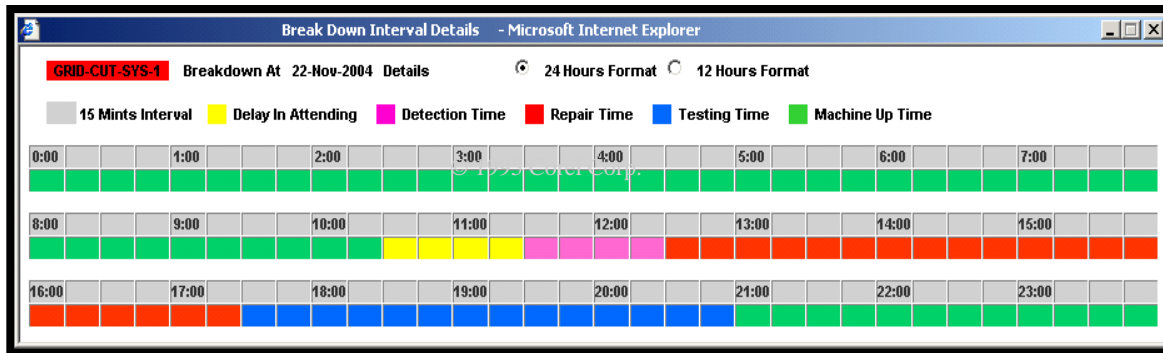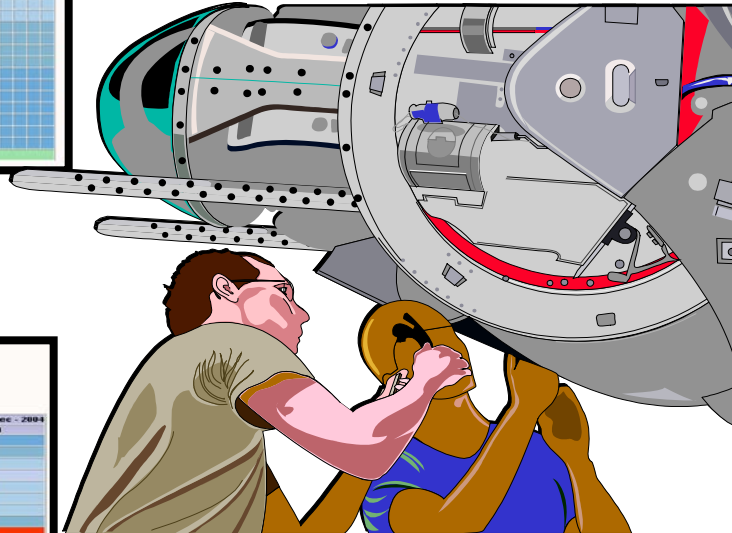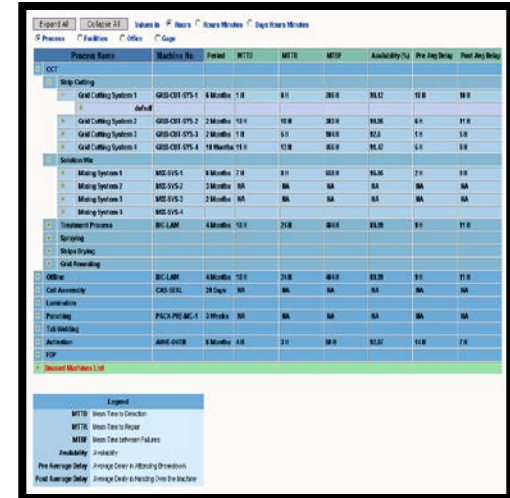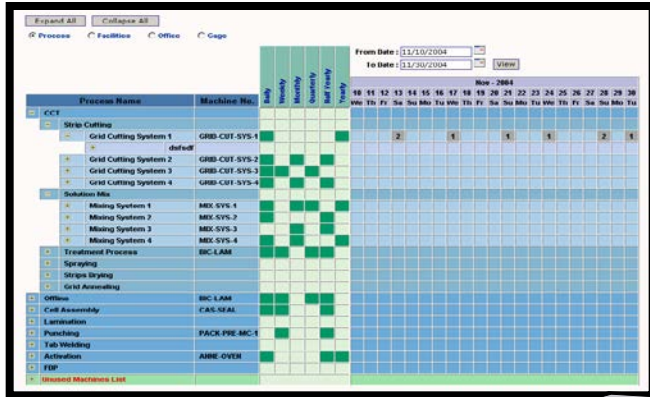
Audits

Audit Status as on Date 20/Nov/04

| Audit No. | Department | Section | Date | | Delay | Non Conformance | | | | | | |
			Planned	Conducted		Major Qty	NC Nos.	Minor Qty	NC Nos.	Total	NC Status	Notes
1	Marketing Department	Marketing	12-Aug-04	15-Sep-04	34	1	View			1	1 Open	
3	Production	Production	20-Aug-04	23-Aug-04	3	1	View			1	1 Open	Production Dept
4	Design Department	Design	23-Aug-04	25-Aug-04	2			1	View	1	1 Open	Design Dept
5	Quality Department	Quality	26-Aug-04	27-Aug-04	1			1	View	1	1 Close	Quality Dept

Audit Summary

Start_Date 12-Aug-04
End_Date 30-Aug-04

Department All

Submit

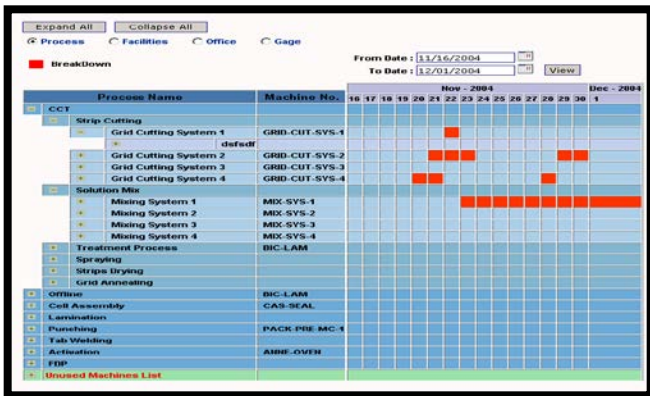| Audit No. | Department | Section | Non Conformance | | |
			Major Qty	Minor Qty	Total
1	Marketing Department	Marketing	1		1
3	Production	Production	1		1
4	Design Department	Design		1	1
5	Quality Department	Quality		1	1

Audit Summary
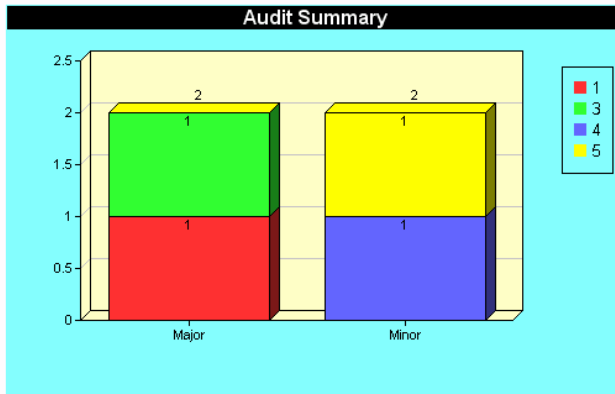
- ISO/TS 16949
  - Automotive Standard
  - Auditor Performance
  - Generate Reports by
    - Department
    - Auditor
    - Audit No.
  - Track
    - Corrective actions
    - Preventive actions
    - Improvement actions
  - Non Conformances
    - Major
    - Minor

Belmah Strategies

Audit Name
Audit Plan
Element Matrix
Auditor List
Audit Schedule
Check List
Audit Status
Audit Improvement
Audit Effectiveness
Corrective Action Status
Corrective Action
Summary
Cost Distribution
Audit Summary
Auditor Report
Audit No. Report
Department Report

CAR

NCR

Link to Project Section!
Conduct Improvement

Document Control

Menu Link	Create	Draft Status	Verified Status	Approved Status	Circulation	Distribution
Create (or Modify)	Create Document or Modify Document					
Authenticate	Authenticate Document by Mgmt. Rep.	Document in Draft Status				
Verify	Verify Document by Verify List		Document in Verified Status			
Approve	Approve Document by Approve List			Document in Approved Status		
Circulation	Circulate Document by Circulate List				Document in Circulation	
Distribution	Distribute Document by Distribute List					Document in Distribution

Menu Link	Purpose
Register	Upload existing Documents View all Document
Active Documents	View all Active Documents
Obsolete Documents	View all Obsolete Documents
Master Documents	View all Active or Obsolete Documents
Search	Search for a particular Document
Document History	View all activities associated with a Document
Document Members	View who is involved in which Document

Remember running round the organization before every audit?

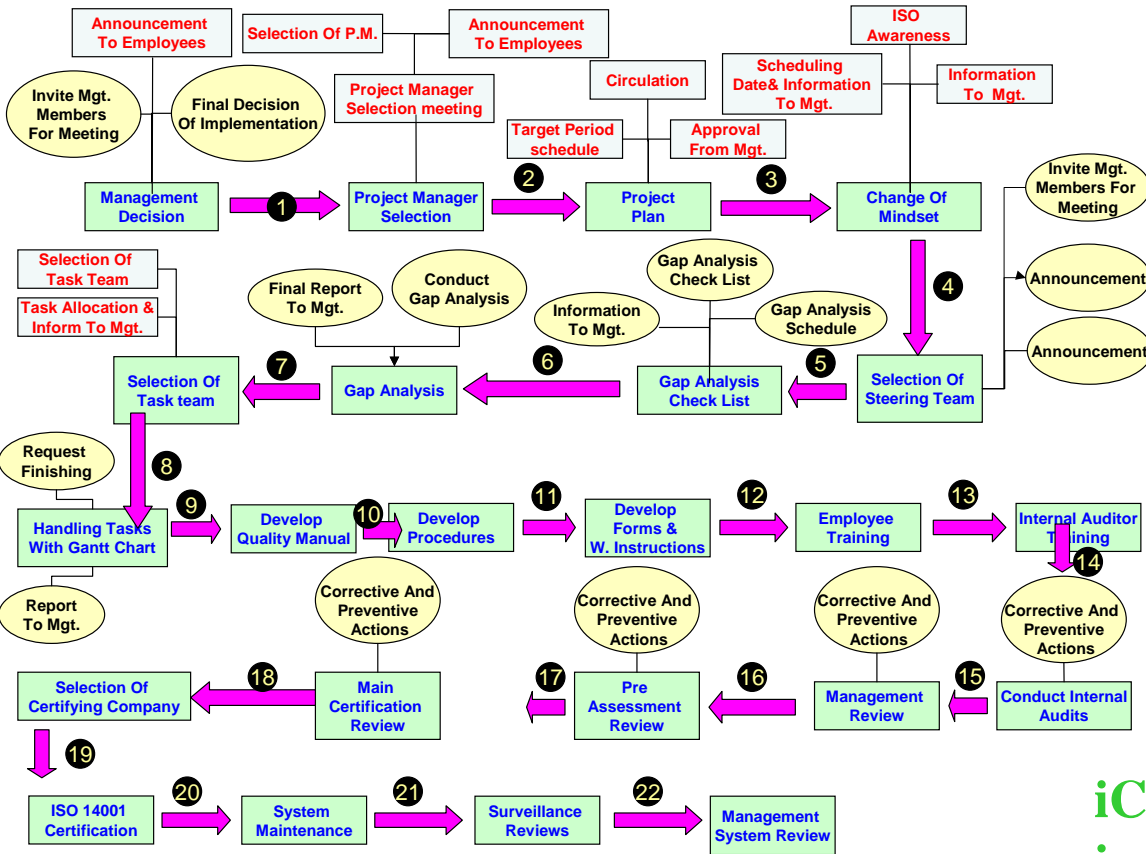**Simplify your documents with Document Control**

ISO Implementation Toolkit

Link to Project Section!
Conduct Improvement
Implement crucial tools:
- FMEA
- SPC
- MSA
- Etc.

iCT-M provides a toolkit for implementing ISO 9000

Step-by-Step

Templates available

Attendance

Attendance Details

Org. Tree	Department	Employee

Select OrgTree Orgchart 7 (31-Mar-2006 --- 30-Mar-2007) ▾ ○ Ats. All ○ Del. All ■ Working Hours ■ Extra Working Hours

Select Date << < 11/02/2006 [📅] > >> **Working Day** (Thursday 02-Nov-2006) [Attendance]

Position	Job Code	Employee Name	Working ATS	Shift	Working Total Hrs.	Over Time Total Hrs.	Replacement Total Hrs.
Chief Executive Officer	8	IR0081	Megat Baharudin				
Chief Tech Officer	7	IR0042	Shankaran Sugandhan	P L		8:06	1:00	1:00
Basic Research	17	IR0008	Badrulhisham Fauzi	P		9:36		
Research 1	5	IR0011	khk khk	P		9:36		
Research 2	16	IR0007	Azura Fariq	P		9:36		
Test Technician	8	IR00110	Shahulk Tamin	P		9:36		
Marketing	14	IR0027	Hailmy Mahdi	P		9:36		
Markt. Manager 1	14	IR00124	William Taylor					
Markt. Manager 3	14	IR00126	Zakuan Sudiran	P		9:36		
markt. Manager 2	14	IR00125	Zaitulana Zaotul	P		9:36		
Operations	5	IR0009	Bawani Ho	L				
Engineering	2	IR00101	Roslee Mutalib	P		9:36		
Production	10	IR00100	Rokiah Mustaq					
Treatment	4	IR0017	Sridevi Sangkar					
Bicell	2	IR0024	Shirlene Stanza					
Cells	20	IR0018	Dharmarajah Paagal					
FDP	20	IR0021	Eswari Raman					

Who's having a good attendance?

Which department has the highest absenteeism?

Provide reports of attendances.