

Personal Introduction

- Paul Neely 26 years Bombardier.
- First 13 years in HR/Payroll.
- Last 13 years as an IT Analyst.







Time Management Implementation Review

- Project completed within budget and on time, 2003.
- This presentation will:
 - Share our project experiences
 - Highlight some tools and techniques
 - Lessons learnt.







BOMBARDIER

the evolution of mobility

- Multinational Canadian transportation company.
- Aerospace includes Business and Commercial Aircraft.











Business Aircraft

Challenger



Global





Learjet











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John Travolta



Travolta, who owns a Challenger, promoting Bombardier Aerospace's Challenger 650.







Commercial Aircraft

Q-Series



C-Series











Company Structure - Aerospace

36,000 Employees. Larger sites:



Other sites include:

Amsterdam Shenyang Frankfurt Casablanca India

... and many Sales/Regional Offices worldwide











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Need for Change – 1980's systems











SAP Time Management Project

Work started 2002, took 11 months

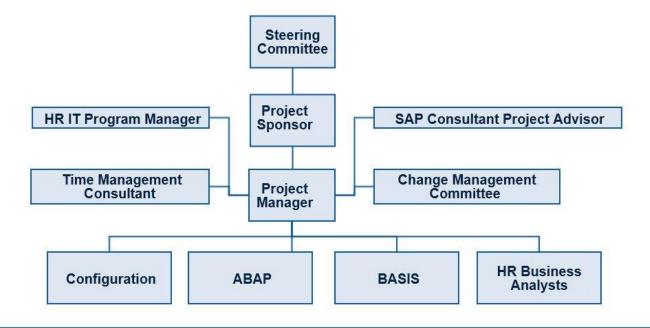
Budget \$918,000

Completed 3% under budget: \$870,000





Project Team Structure



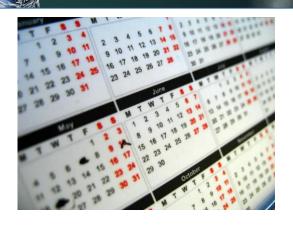






Project Estimates

- · Based on:
 - 5000 employees
 - 2000 users
 - 500 work schedules
 - Replacement scope
 - Only essential history







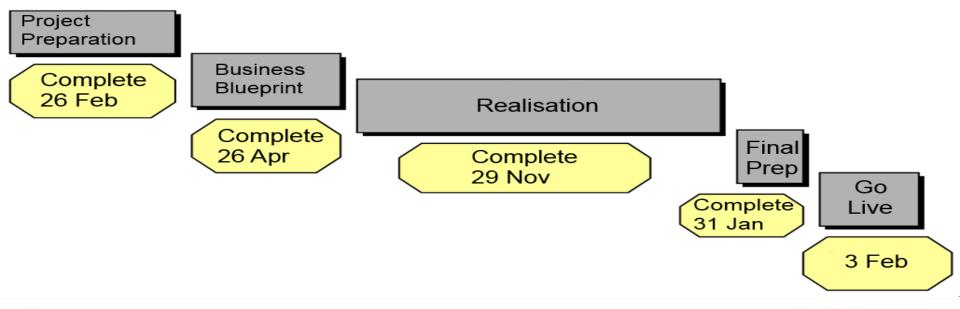






Project Plan

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB







Testing Strategy

Unit testing

Integration Testing

Parallel Running



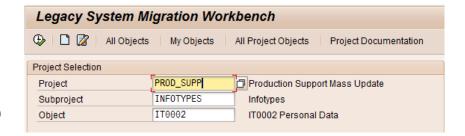






Conversion & Cutover

- Tool LSMW
- Work schedules



- Sickness history (SSP)
- Clocking stations switched to new network. (TCP/IP protocol).









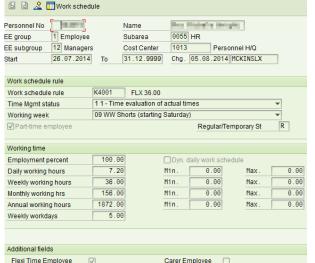




Conversion & Cutover

Infotype 0007

Display Planned Working Time



Infotype 0085

<u> </u>			
Personnel No	000070	Name	Des Rightle Bright
EE group	1 Employee	Subarea	0055 HR
EE subgroup	12 Managers	Cost Center	1013 Personnel H/Q
Start	26.07.2014 🗇 to	31.12.9999	
Previous empl	lovment		

Weeks Sick Paid Prev. ER

Create SSP1(L) Form Data GB

Date SSP1(L) Received

Leaver's information

Notification of Leaving

Last Sick Pay Date ER

Last Sick Pay Date Prev. ER

Infotype 0050

Display Time Recording	Info					
□ □ ∴						
Pers.No. 1000 Bombardier Shor EE subgrp 12 Managers Start 22.11.2007 To	ts 31.12	Name Cost Ctr WS rule		5068 KX062 28.11.2007	IT-HR Comp FLX 24.00 R	
Time ID						
Time rec.ID no. ID version						
Interface data	Time	variables				
Time event type grp	Flextii Flextii Time	for TE rul me maxir me minin bonus/de lard overt onal indic	num num eductio ime	0.00 0.00 n 0.00		



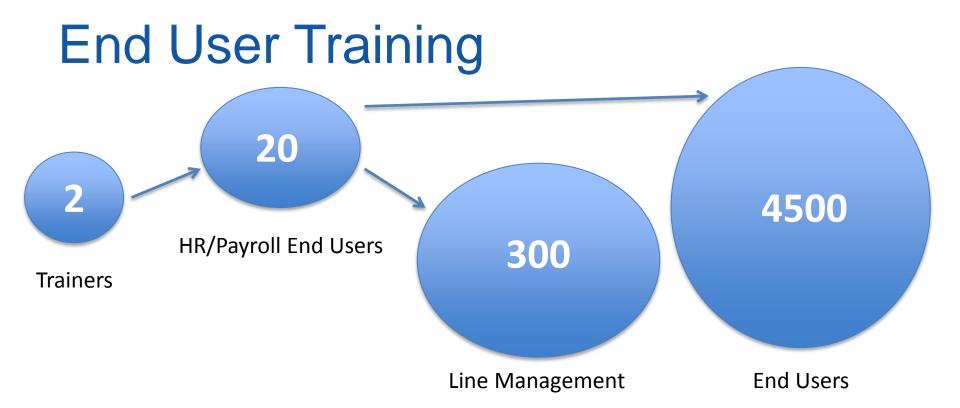


















Vax Terminal

Old access method ...









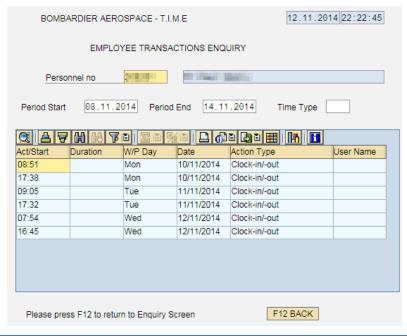




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eTime (Our Custom Application)













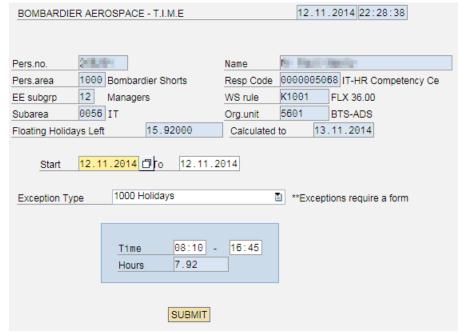


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eTime (Our Custom Application)

Review unapproved exceptions

 Review approved exceptions







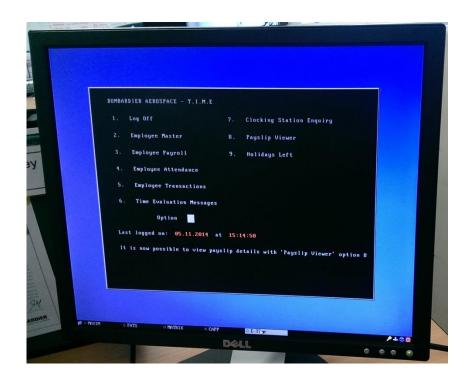






New AXEL box

















Work Schedules

Period Work Schedule

08 RW01	NSH 36.00 3333	001	0110	0110	0110	0113	0130	0571	0477
08 RX	NSH 36.00 3333	001	0412	0412	0412	0310	0210	0413	0413
08 SA	4SH XXXXX 3950	001	0119	0119	0FF	0FF	0FF	0FF	0120
08 SA	4SH XXXXX 3950	002	0FF	0FF	0FF	0120	0120	0FF	0FF
08 SA	4SH XXXXX 3950	003	0FF	0FF	0119	0119	0119	0FF	0FF
08 SA	4SH XXXXX 3950	004	0120	0120	0120	0FF	0FF	0FF	0119

Daily Work Schedule – Shift with premium

Change View "Daily Work	Schedule": Details
🦅 New Entries 🗎 🔒 🖒 🗟 🗟	Delimit
DWS grouping 08 Daily work schedule 9119 OS N	Periods
Planned working hours	
Planned working hours 12.00 No planned working hrs.	DWS selection rule
Working times	
Fixed working hours	
Planned working time 08:00	- 20:00
Flextime	
Planned working time	
Normal working time	<u></u>
Core time 1	
Core time 2	-
Breaks	
Work break schedule	
Tolerance time	
Begin tolerance	
End tolerance	
Valuation	
Min. working time	Daily WS class 1
Max. working time 12.01	Automatic overtime
Compensation time	-
Additional hours	Ind. for arbitrary use











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Start Date

End Date

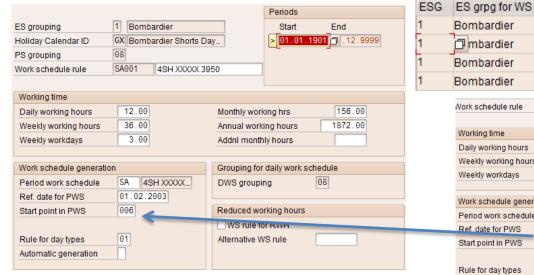
01.01.1901 31.12.9999

01.01.1901 31.12.9999

01.01.1901 31.12.9999

01.01.1901 31.12.9999

Work Schedules



	Bombardier	GX	Bombardier		
1	mbardier	GX	Bombardier .		
1	Bombardier	GX	Bombardier		
1	Bombardier	GX	Bombardier		
	Nork schedule rule	A002 4SH XXX	XX 3950		
	Working time				
	Daily working hours	12.00			
	Weekly working hours	36.00	,		
	Weekly workdays	3.00	/		
	Work schedule generation				
	Period work schedule	SA 4SH XXXXX] [
	Ref. date for PWS	01.82.2003			
	Start point in PWS	013	F		
			[
	Rule for day types	01	/		
	Automatic generation				

Holiday Ca... Text



WS rule

08SA001

08SA002

08SA003

08SA004

PSG









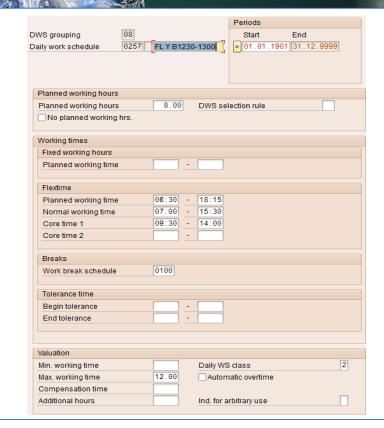


Work Schedules

Period Work Schedule

08 HC	NSH 36.00 0000	001	0262	0262	0262	0263	0230	0FF	0227
08 HD	OTH 36.00 2000	001	2021	2021	2021	2021	2022	0378	0378
08 INAC	36 Hr Week	001	1008	1008	1008	1008	1004	1000	1000
08 K001	FLX 36.00	001	0257	0257	0257	0257	0258	0FF	0FF
08 K002	FLX 30.25	001	0267	0268	0267	0268	0267	0FF	0FF
08 K003	FLX 33.42	001	0267	0268	0268	0268	0483	0FF	0FF

Daily Work Schedule – for flexitime







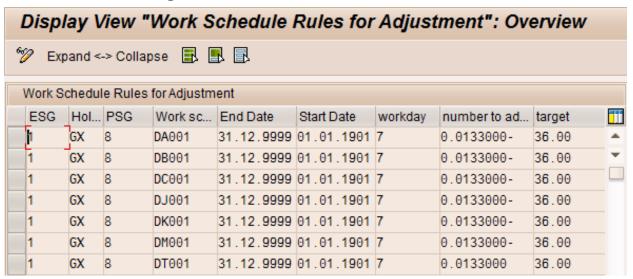






Work Schedules

Our custom table to store rounding values:









Clocking Stations





Durable, reliable, tamper proof











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Sample Badge

If found please return BOMBARDIER Airport Road Belfast BT3 9DZ



BOMBARDIER



JOHN TRAVOLTA

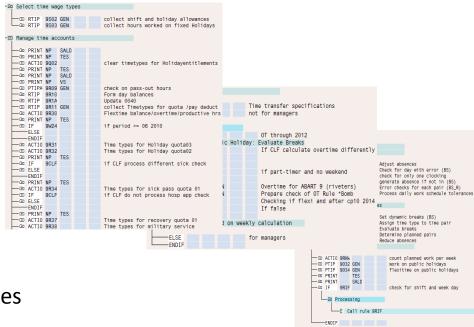






Absence & Attendance Policies

- Frror checks
- Lateness
- Overtime
- Managers
- Flexitime
- Contractors
- Working holidays
- Break times
- Shifts
- 50 types of absences/attendances









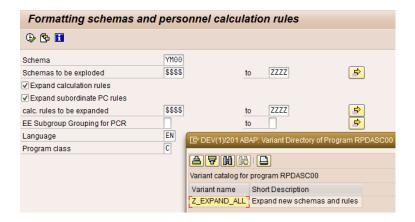




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Rules & Schemas

RPDASC00



Formatting schemas and personnel calculation rules 1						
9RHW****Y	ZHRS=M9003	ADDDB9003	GCY 9RHW1			
9RHW1 * * * * * N 9RHW1 * * * * * N 9RHW1 * * * * * Y	DSUBST 01 HRS=S HRS=U	ADDDB9003 ADDDB9003				
YM00 070 PTIP YM00 071 PTIP YM00 072 PRINT YM00 073 PRINT YM00 074 IF	9032 GEN 9034 GEN TES SALD 9RIF		work on public holidays flexitime on public holidays check for shift and week day			
9RIF***** 9RIF*****N 9RIF*****Y	D9%RSTZ508 SCOND=F I SCOND=T I	F				
9RIF1**** 9RIF1****N 9RIF1****Y	D9%RSTZ508 SCOND=F I SCOND=T I	F				
9RIF2**** 9RIF2**** 9RIF2**** 9RIF2**** 9RIF2**** 9RIF2**** 9RIF2**** 9RIF2****	DVALEN 1 ZGCY 9RIF1 DVARSTPRSN ZGCY 9RIF1 SCOND=F I	Т	Г			









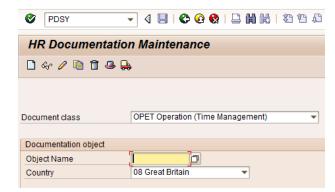




Rules & Schemas

000010	COM					copy from TM00 for Shorts (BS)
000020	COM					Time Evaluation with Clock Times
000030	COM					=======================================
000040	* *					Evaluation of time data specifying
000050	* *					clock times (including personnel
000060	* *					time events or PDC times)
000070	* *					****** Before day processing *******
000080	BINI					Initialization
000090	MOD	MODT	GEN			Define groupings
000100	EINI					End of processing block
000110	**					****** Day processing ******
000120	BDAY					Day processing
000130	**					Options:
000140	CHECK		PON			check time recording = 1 or 9
000150	CHECK		RPR			Set retro.acc.for payroll, if required
000160	CHECK		FUT		٠	Allow evaluations for future periods
000170	DKG				*	Process reduced hours (BS)

PDSY



Object Na	Description of logical information objec
9%DTP	delete TIP entry
9%GTP	Operation (Time Management) 9%GTP
9%INC	insert absence for not clocking in
9%RST	zrovide infos
9%RTP	Round TIP entry with Table Z508A
ADDDB	Cumulate in day balance table
ADDMB	Cumulate in monthly balance table
ADDOT	Transfer to Table ZMO
ADDVS	Cumulate in variable balances table
ADDZL	Cumulate in Time Wage Types Table
ALLDT	Check 24-Hour Coverage from Start of Period
BITQU	Generate Batch Input Session for Attendance Quotas
BREAK	Set a break point
COLER	Transfer to error table
COLOP	Transfer data to internal table TOP







Payroll Integration



- Hours stored in Time, money in Payroll
- Time Type converted to Wage type in ZL
- Absences/Attendances in arrears (rule)
- Time balances (SALDO) match Payroll period





Benefits

- System reliable and stable
- Full implementation of company policies
- Improved automation
- Increased visibility of time information
- Accuracy









Benefits continued



- Payslip can produce more detail
- Managers can connect, view and authorise
- Employee can view and interact online
- Improved job satisfaction







Conclusion & Lessons Learnt

- Make sure Terms and conditions affecting large numbers are mapped to Employee groupings
- Stay SAP standard as possible
- Put logic into system, not reports/interfaces
- Quick decision making important





Conclusion & Lessons Learnt

- Ensure consultants share knowledge
- Involve end users throughout a project
- Test thoroughly
- Requirements of all users justify attention
- Document







Questions?







