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Toby Brousseau

Executive Summary:

Mr. Brousseau is a Montreal-based senior level consultant who has been delivering quality solutions in the IT, business process improvement and project management areas since 1985. With unequalled business experience and in depth technical expertise he has become a highly sought resource. Having occupied several management positions in both private and public administration, he has the experience necessary for quickly understanding improvement opportunities and recommending the best solutions (functional and/or technical) that will maximize your ROI, and ensure your organisation is ready to meet tomorrow's challenges.

In addition to a Senior level certification in Material Management by the Public Service of Canada, he is the owner of two copyrights for materiel management software and SAP certified (ABAP) since 1998. He is also a Microsoft registered partner (Small Business Specialist and ISV competency) and member of the Project Management Institute (PMI) familiar with various methodologies (Agile, Lean, PRINCE2, etc.).

His technical expertise complements an unrivalled business analysis and project management experience that brings to the table, the skill set necessary for delivery of end-to-end solutions (from solution design and architecture to development, deployment, documentation and training). With an exhaustive list of successfully completed projects (including over 25 SAP WMS-specific, 8 mobile-relevant, 22 business/functional analyst and numerous feasibility/business analysis and training mandates), he has (as former Head of Materiel Management at the Canadian Space Agency) assumed responsibility for inventory control, customs and excise, hazardous materials, assets management, shipping and receiving, warehousing and handled project transportation and logistics tasks supporting time-critical space initiatives ultimately placing 7 astronauts and 1 satellite in space... There is little doubt this 1-man project team can make things happen ([check out the testimonials!](#))

Previous customers include prestigious organizations such as Canadian Space Agency, Royal Canadian Mounted Police, Bell Canada, Metropolitan Gas, MolsonCoors, MillerCoors, Johnson & Johnson, McNeil Consumer Health Care, Bombardier Aerospace, Jacob, and many others (a detailed list of previous projects is available upon request (or [click here](#)).

As SAP Global Solutions Architect and Project Manager, he elaborated requirements specifications (technical and functional), developed technical project plans and statements of work, evaluated bid proposals, and oversaw/managed their execution by outsourcing firms, partners and in-house resources.

He has successfully delivered 47 projects since May 2008 representing a 91% successful completion rate - defined as on time and on or below budget (some projects were in execution at the time of his departure). Among some of the more significant, we find numerous wireless enablement of warehouse processes, 4 separate SAP-WMS brewery implementations across North America (including business continuity contingency plans and solutions), SAP Upgrade, SAP-CRM, TMS-Delivery Planning Optimization, SAP-MII (deployed to 5 plants), Vendor Quality Management (integration of SAP with an externally-facing SharePoint site), Shockwatch (forklift impact monitoring solution), EDI Infrastructure Overhaul, SAP interfaces for partners and manufacturing production lines (complete list available [here](#)).

In recent years, he has been regarded as a seasoned consultant specializing in external access to SAP (via solutions such as SharePoint, K2 and Winshuttle) - especially in mobile-enablement of end-to-end business processes. He has a particular strength in wireless (connected and occasionally connected) shop floor and field service processes having delivered numerous solutions that function on a wide variety of technologies (wireless, batch, middleware data replication, SAP Console, web-based, telnet, etc.).



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Mr. Brousseau is highly considered by his colleagues and clients. His impeccable references are available on demand. By adding him to your team, you not only maximize your ROI through strategic positioning, but also immediately increase the probably of success for your current projects (for full details please see <http://www.snoot.net>). Please see the [corporate video](#) (approx. 10 min.) for overview of benefits and skill sets STI can bring to the table.



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PREVIOUS MANDATES

Please refer to the section [Projects and Mandates](#) for a list of previous clients, projects and detailed mandate descriptions.

TRAINING

Certifications and Competencies	
Certification SAP (ABAP)	SAP - Canada, Ottawa
Certification – Senior Level Material Management	Public Service Commission of Canada, Montréal Canada
Certification – Advanced Level Material Management	Public Service Commission of Canada, Montréal Canada
Microsoft Registered Partner - Small Business Specialist	Microsoft
Microsoft Registered Partner – ISV Competency	Microsoft
Project Management Institute – Member	PMI
BSc. Double majors: Physics & Physiology (incomplete)	McGill University, Montréal, Canada
SAP Training	
SAP 020: Overview	SAP – Montreal, Oct. 1996
SAP 040: Master Data and Organizational Structure	SAP – Montreal, Oct. 1996
SAP ISP-110 Funds Management	SAP – Toronto, Nov. 1996
SAP LO-020: Procurement	SAP – San Francisco, Dec. 1996
SAP Boot Camp	SAP – Ottawa, Jan. 1997
SAP 050: R/3 Basis Technology	SAP – Ottawa, Oct. 1998
SAP BC-400: ABAP/4 Development Workbench	SAP – Ottawa, Oct. 1998
SAP BC-430: ABAP/4 Data Dictionary	SAP – Ottawa, Oct. 1998
SAP BC-405: ABAP/4 List Reporting	SAP – Ottawa, Oct. 1998
SAP BC-410: ABAP/4 Dialog Programming	SAP – Ottawa, Oct. 1998
SAP BC-420: ABAP/4 Data Interfaces	SAP – Ottawa, Oct. 1998
SAP BC-415: Communication Interfaces	SAP – Ottawa, Oct. 1998
SAP BC-425: ABAP/4 Enhancements and Modifications	SAP – Ottawa, Oct. 1998
SAP ABAP/4 Developer Certification	SAP – Ottawa, Oct – Nov 1998
SAP CA-210 EDI (Release 4.0)	SAP - Montreal, Dec. 1999
SAP BC-621 IDoc Development (Release 4.0)	SAP - Montreal, Dec. 1999
SAP Training (self paced study)	
SAP – SAPScripts	Datahorse Montreal, Feb. 1999
SAP – WebStudio	Datahorse Montreal, Feb. 1999
SAP – ASAP	Datahorse Montreal, May 1999
SAP - Legacy System Migration Workbench	Datahorse Montreal, May 1999
SAP - Interface Advisor	Datahorse Montreal, June 1999



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SAP – Simplification Group Overview	Datahorse Montreal, June 1999
SAP - Using SAP Retail	Datahorse Montreal, July 1999
Intellicorp - LiveModel for SAP R/3	Datahorse Montreal, July 1999
HAHT - HAHTSite/e-nabling business	Datahorse Montreal, July 1999
Internet Transaction Server Admin.	SAPTechEd'99, Philadelphia Aug 99
Integrating ALE to External Systems	SAPTechEd'99, Philadelphia Aug 99
SAP - Process Manufacturing (PP-PI)	Datahorse Montreal, Sept 1999
SAP – Solution Manager: End-to-End Root Cause Analysis	Denver Colorado, July 2008
SAP – Extended Warehouse Management	Denver Colorado, September 2008
Microsoft Training (self paced study)	
Mobile Web Development	Microsoft Online Training May 2009
SQL Server CE Introduction	Microsoft Online Training June 2009
Advanced Mobile Windows Forms Development	Microsoft Online Training Aug 2009
Mobile Development Introduction	Microsoft Online Training Aug 2009
Develop Mobile Applications with Visual Studio 2008	Microsoft Online Training Sept 2009
Mobile Device Emulators	Microsoft Online Training Sept 2009
Application Security and Deployment	Microsoft Online Training Dec 2009
Course 5329: Configuring SAP on Microsoft SQL Server 2005	Microsoft Online Training January 2010
Course 5328: Selecting the Architecture to support SAP n Microsoft SQL Server 2005	Microsoft Online Training January 2010
Course 5333: Migrating and Updating SAP to Microsoft SQL Server 2005	Microsoft Online Training January 2010
Clinic 5045: Inside Look at Developing with Microsoft Windows SharePoint Services 3.0	Microsoft Online Training February 2010
Clinic 5936: Introducing Security and Policy Management in Windows Server 2008	Microsoft Online Training February 2010
Clinic 5937: Introducing Branch Office Management in Windows Server 2008	Microsoft Online Training April 2010
Course 5330: Implementing Netweaver Business Intelligence (BI) on Microsoft SQL Server 2005	Microsoft Online Training April 2010
Course 5331: Configuring High Availability and Disaster Recovery for SAP on Microsoft SQL Server 2005	Microsoft Online Training April 2010
Clinic: 5046: Inside Look at Building and Developing Solutions with Microsoft Office SharePoint Server 2007	Microsoft Online Training July 2010
Course 6339: Database Fundamentals in Microsoft SQL Server 2008	Microsoft Online Training January 2011
Clinic 6956: What's New in Microsoft Windows Small Business Server 2008	Microsoft Online Training April 2011
Other Training	
DBA – Database Administrator (SQLBase)	Advanced Systems Integrated Ottawa, Canada



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Transaction-Based Automated Procurement System	Advanced Systems Integrated Ottawa, Canada
Transaction-Based Inventory Management System	Advanced Systems Integrated Ottawa, Canada
Asset Management and Control System	Advanced Systems Integrated Ottawa, Canada
Employee Performance Evaluation	Public Service Commission of Canada, Montréal Canada
SQL Windows Programming – Centura / Gupta Technologies	Montreal
SQL Structure and Performance Enhancement	Learnix Montreal
Comprehensive Project Management	University of Toronto
Automating SAP Master Data and Transactions with Winshuttle Forms and Workflow	Winshuttle Partner Training
Accelerating SAP Transactions and Master Data using Microsoft Excel and Winshuttle	Winshuttle Partner Training



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DEVELOPMENT TOOLS AND ENVIRONMENTS

ERP

An SAP Evangelist since 1996 with experience using R/3 (3.0 – 4.7) and ECC 6.0. A list of specific modules and technology silos (over 45 in all ranging from AA to X-Modular) is available upon request.

Exposure to / limited familiarity with:

- JD Edwards
- Microsoft Dynamics
- Oracle Financials
- BAAN

Relational Databases (RDBMS)

SQLServer (2000-2008), Oracle (7-11), Sybase, DB2, SQLBase

Enterprise and Office Software

Microsoft Suite of Products:

As a Microsoft Partner, I currently use and have a fully functional knowledge of the main Microsoft Office and Backend solutions (from 2007 to 2013):

MS Office, Access, Business Contact Manager, FrontPage, Groove, InfoPath, MapPoint, Office Communicator, Outlook, Project, Publisher, SharePoint Designer, Virtual PC, Visio

Enterprise and Business Solutions Software

SharePoint, BizTalk, Commerce Server, Exchange Server, Forefront Security, ISA Server, Live Communications Server, Microsoft POS, Project Server, SharePoint Server, Virtual Server, UC4 \

Application Development

Fair to good understanding of the following development environments and frameworks:

DotNet framework, JDE, Visual Studio, Embedded VB (Windows CE), SQLWindows, Centura Team Developer (CTD), Gupta's suite of software SQLBase, SQL, Oracle PLSQL, Eclipse, DotNet, ASP, Java, CodeWarrior (Palm Programming)

Speciality Applications and ETL-CDC:

IBM InfoSphere Data Replication / Change Data Capture (formerly DataMirror's Transformation Server), Pervasive Gateway, iDeliver, dBXML Transform, Constellar Hub, iCluster, iTransmit, Live Audit ([multi-media demo available from my corporate website – see News section](#))



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List of SAP Mandates by Modules

Mandate details are quite extensive and may be downloaded [here](#) in the form of an Excel spreadsheet.

The modules can be sorted and filtered to allow zeroing in on the specific requirements:

	A	B	C	D
1				
2		SAP_Module	Client	
3		AA	Canadian Space Agency	
4		AA	CBC	
5		AA	Cirque du soleil	
6		AA	Treasury Board of Canada	
7		ABAP	Bell Canada	
8		ABAP	Canadian Space Agency	
9		ABAP	McNeil	
10		ABAP	Merck Pharmaceuticals	
11		ABAP	Prevost	
12		ABAP	RCMP-Team	
13		Archiving	MolsonCoors	
14		Basis	MolsonCoors	
15		BASIS	Bell Canada	
16		BW	Bell Canada	
17		BW	Essilor	
18		CO	Treasury Board of Canada	
19		Console	MolsonCoors	
20		CRM	Dare	
21		CRM	Expertech	
22		CRM	MolsonCoors	
23		CRM	Tennant Corporat	
24		EWM	MolsonCoors	
25		FI	Jacob	
26		FI	Treasury Board of C	
27		FM	Treasury Board of C	
28		HCM	MolsonCoors	
29		HR	Expertech	
30		HR	Gaz Métropolitain	

	A	B	C	D	E	F
1						
2						
3						
4	Client	Start_Date	End_Date	Details	Role	SAP_Module
5	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
6	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
7	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
8	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
9	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
10	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
11	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
12	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
13	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
14	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
15	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
16	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
17	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
18	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
19	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
20	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
21	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
22	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
23	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
24	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
25	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
26	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
27	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
28	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
29	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA
30	Treasury Board of Canada	01/10/1996	06/01/1997	Material and Asset Management Team Lead on service loan from Canadian Space Agency	Team Lead	AA



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MolsonCoors – Technical Analyst and Knowledge Transfer Specialist

Nov 2013 - Present

Knowledge transfer and documentation of global SAP warehouse management solution for transition of ongoing support to outsourcing firm. Among the various solutions we find:

- SAP WMS (SAP GUI including SSO and)
- SAP WMS Wireless on multiple devices (vehicle mounted and hand-held) and operating systems (SAP Console)
- Mobile device baseline image maintenance
- WMS Contingency Solution (stand-alone solution for business continuity in disconnected state)
- Shockwatch (fork lift impact monitoring solution)

Ensure sufficient knowledge transfer and documentation exists to not only allow for end-to-end support, but also prepare for business and technological evolution including server virtualization and re-purposing, domain name migrations, upgrade and replacement of front-end data capture equipment (vehicle mounted and hand-held units) that have reached end-of-life support.

Canadian National Railways (CN) – Functional Designer (SRM-Master Data Management)

Sept – Nov 2013

Functional designer for implementation of SAP-Supplier Relationship Management (SRM) solution (as detailed in previous Project Management mandate). Responsible for coordinating efforts (presentations, meeting coordination, needs assessment, documentation and confirmations, and business sign off) related to needs assessment and blueprinting for the replacement of legacy vendor-catalogue solutions (Requisite's eMerge and BugsEye) with SAP Master Data Management – Product Catalogue.

Canadian National Railways (CN) – SAP Project Manager (SRM-Master Data Management)

May – Aug 2013

Project Manager (with secondary roles as Solution Architect and Functional Analyst) for an SAP-Supplier Relationship Management (SRM) solution responsible for coordinating efforts for the replacement of legacy vendor-catalogue solutions (Requisite's eMerge and BugsEye) with SAP Master Data Management – Product Catalogue. The core project team consists of a dozen resources including skill sets such as Architecture, Development, Functional Analysts, SAP Basis, Quality Control and Testing, Change Management and of course, Business representatives.

Assumed the full range of project management service delivery (beginning with assessment and planning), the mandate consists of delivering:

- Replacement for a legacy vendor catalogue solution with SAP's SRM-MDM Product Catalogue solution
- Upgrade of current SRM implementation (as Phase II)



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- Timely upgrade of MDM Product Catalogue implementation to align the upcoming implementation with the SAP roadmap (and maintenance plan) with the current SAP component versions found throughout the SAP landscape

Bell Canada - SAP Project System (PS) Archiving and Data Volume Management Review Feb - April 2013

Bell Canada has noticed that system performance issues have arisen on a periodic basis that directly impact on the duration of month-end processes. The cause is believed to be due to data volume management pertaining to 2 possible factors (or a combination thereof):

- SAP-PS Module configuration
- SAP-PS Archiving objects

STI was approached to undertake the health check for the PS archiving objects. The objective of this mandate was to:

1. Review the SAP Project System (SAP-PS) archive objects and the relevant tables the objects archive
2. Review scheduled archive sessions currently configured as part of Bell Canada's archiving strategy
3. Identify problem areas (real and/or potential) and
4. Make recommendations that could potentially resolve the issues.

Florida Crystals - SAP WMS Project Plan Review / Evaluation October - November 2012

Review and update SAP-WMS project plan for multi-site roll out.

- Unbiased, independent assessment of project plan (human, time and financial resources) for SAP-WMS rollout to 9 locations in US and Canada.
- Review and validation / adjustment of project plans and tasks.
- Coordination and alignment of project tasks (individual and rollup) to meet project milestones and timelines for multi-year roll-out.

Bombardier Aerospace - Solution Design Architect (SAP) August – October 2012

Responsible for supporting the SAP Solution Architecture Design team throughout the various project stage gates:

- Providing architecture consulting support on a wide range of portfolios/projects primarily pertaining to the C-Series aircrafts.
- Recommending infrastructure and technological solutions and strategies that ensure adherence to corporate strategies and orientations, while ensuring business requirements are met.
- Preparation of project stage gate 0, 1, 2, and 3 solution design documents and estimates.



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- Participating in weekly project integration meetings with both project management and SAP-Basis teams to ensure alignment between project drop date schedules and component version management throughout the various rollouts.

Molson Coors Brewing Company - SAP Global Solutions Architect

May 2008 – August 2012

Responsible for providing architecture consulting support on a wide range of portfolios/solutions, developments and enhancements as well as developing IT strategies for development, deployment, delivery and support ensuring that design of all systems development, across multiple applications and/or solutions, are consistent with global (Canada, USA, and UK) enterprise initiatives.

Responsible for the technical architecture component of multi-disciplinary SAP projects for MolsonCoors and MillerCoors on a world-wide scale. A role of project technical team lead was assumed in all of the projects, and in some projects, both Technical Team Lead as well as Project Manager roles were assumed.

Integration of world-wide solutions among Coors, Molson, Miller and Bass brewing companies.

- Support other Solution Architect in managing the Services and Solutions Architecture
- Manage, supervise and evaluate both contractors and employees that were part of the varying and numerous project teams (see below).
- Play the lead architect role on key projects and provide architecture consulting support on a portfolio of solution enhancements. May be multi-skilled or platform specific (mostly SAP and/or Microsoft)
- Ensure that design of all systems development, across multiple applications and/or solutions, are consistent with enterprise initiatives
- Maintain holistic understanding of systems and environments and, as such, serves as approval for functional and technical specifications which cross applications and/or solutions
- Serves as key member of Change Advisory Board
- Management and supervision of outsourcing and contracting initiatives.
- Provide advice on technical aspects of system development and integration (including requests for changes, deviations from specifications, etc.) and ensure that relevant technical strategies, policies, standards and practices are applied correctly.
- Set direction and leads in the introduction and use of techniques, methodologies and tools, to match overall business requirements (both current and future), ensuring consistency across all user groups.
- Recognize improvement opportunities for the software development process, recommend strategies and take responsibility for exploiting opportunities

MiniSAP

Migration of legacy MS-Access 2.0 time management solution for delivery drivers to SQL Server 2008 R2 / DotNet environment as a temporary solution while awaiting integration of SAP Time management solution. Work in collaboration with solution designer to ensure the infrastructure and architecture requirements are in place to support the initiative.

Vehicle Mounted Unit Replacement for Opus (UK WMS Solution)

Evaluation of various VMUs and support to business partner for building the business case leading to the selection of LXE-Thor as the device best suited to replacement the current front end (Motorola VC 5090). Emphasis based on



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- Accommodating the current technological requirements
- Assuring re-use with SAP-WMS (to be implemented during the device life-cycle).
- Alignment with global architecture strategies
- Reuse of tried and tested technologies

Implementation of New Distribution Centre in Toronto

Creating the infrastructure required (from scratch) to implement a new wireless network in a recently rented empty warehouse building. From wireless site survey, access point additions and adjustments, IP reservation management (through Bell Canada partner), adjustment of vehicle mounted unit baseline images, and solution testing to ensure remote access to SAP WMS.

Delivery Planning System

Implementation of a Delivery Planning System to improve the logistics components of the supply chain. Subsequent to vendor selection ([Ortec](#)) based on solution offerings ([routing and scheduling](#) as well as [pallet and load building](#)) for optimizing pallet makeup, truck loading and route selection, the infrastructure and architecture requirements for delivering the solution were elaborated and implemented. This consists of 4 technology verticals: Presentation Layer (deployment of SAP front-end OCX components), VMWare Virtual machines running optimization services (9 Windows 2008 virtual servers), SQL Server clustered servers (2 physical SQL Server 2008 R2 servers), SAP Basis (Transports for new namespace).

The solution is a SAP embedded one consisting of Badis, RFCs and BAPIs that interact with various middleware optimization servers to yield results via ActiveX components that are embedded directly in the SAP GUI screens.

Vehicle Mounted Unit (CV60) Baseline Image Refresh

To improve security and better align shop floor systems with corporate standards, the baseline image for CV60 devices was re-visited in the context of the WMS@CDM project. The baseline image was revamped with added benefits such as upgrading the SAP GUI to 7.2 patch level 4 (rendering it at par with corporate desktop solutions), simplifying the Contingency solution code maintenance, and expanding the scope to include both Montreal and Toronto in once solution code base, implementing SAP Single Sign On (SSO), simplifying the maintenance of the ever evolving SAP Logon.ini, and finally, moving away from the generic user ID and forcing each user to authenticate him/herself to the network (allowing security concerns to be addressed at the AD level – rather than the device level while maintaining SSO).

Almost \$100K of previously committed funds for this exercise was returned to the project fund by adopting and implementing the recommended approach.

SAP Single Sign On

Implementation of SSO for SAP at a national level. This consists of modifying the various system configurations to enable single sign on, as well as adopting a uniform approach to managing the new SAPLogon.ini files. A file replication approach was selected enabling updates when devices are connected to the network, as well as local modifications (such as shortcuts) that are maintained locally even subsequent to file replication. The solution has been rolled out nationally (Canada) for all workstations, and as pilot project for vehicle mounted devices as part of the WMS@CDM project.

WMS@CDM

Design the infrastructure and architecture framework for an environment that will support wireless shop floor processes and act as technical team lead overseeing the implementation of SAP-WMS for the Molson Canada Distribution Centre in Montreal. This consists of complete architecture solution review /



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development for implementing SAP-WMS via a wireless network using lift vehicle mounted units. The challenge lies mainly in evaluating new technologies and hardware (since implementing at the [Toronto Warehouse](#)) and leveraging the benefits vs. drawbacks of selecting the new hardware/OS combination that has evolved beyond the baseline software currently used for equipment that will soon be declared End-Of-Life by the manufacturer.

Ivara Wireless Connectivity Troubleshooting

Review and resolve wireless connectivity issues related to front end Symbol MC9090 hand held devices accessing Ivara as back end, and establish a maintenance procedure for support of the devices moving forward.

Real-Time Advance Shipping Notifications (ASN) from the Beer Store (TBS)

TBS currently sends Advance Shipping Notifications (ASN) to MCBC and Labatt on a daily basis. The business felt a considerable portion of the data is received well after the fact and expressed an interest in obtaining the ASN information for return of empties more frequently – real time (defined as every 15 min). The objective of the Real-time ASN for Return of Empties project is aimed at achieving the same information that exist currently (with respect to brewer inbound receipt of empties) however, more frequently (files received every 15 min.). Currently, one file set (header-detail) is processed daily. With the new ASN solution, a maximum of 1760 file sets could potentially be transmitted to MCBC (and Labatt) on an hourly basis representing a potential of 14080 file sets (header-detail) over any given 8 hour period.

Implementing this solution consisted of addressing firewall issues and changes, implementing an FTP component for transfer of inbound files, and use of UC4 to transfer the file to SAP for processing.

Shock Watch (Lift Truck Impact Monitoring Solution) – Molson Canada (Toronto)

Assume the role of Project Manager as well as Technical Team Lead for the implementation of a lift truck impact monitoring solution (sensors cabled to vehicle mounted computers) using a wireless network to transmit data to Microsoft SQL Server backend in the corporate datacenter. In addition to monitoring impacts (for the Ontario Health and Safety Board driver assessment), the solution migrates a former paper-based daily inspection procedure to one that manages data in SQL Server improving ongoing truck maintenance.

Oracle Upgrade – Molson Canada

Project technical team lead for upgrading Oracle from 9i to 10.2 as preliminary project for upgrading SAP from R/3 to ECC 6.0. This consisted of writing statements of work, reviewing and approving the project plan, coordinating outage schedules, overseeing post upgrade tests for development, quality assurance (consolidation) and production instances.

SAP CRM – Molson Canada

Designing the architecture and infrastructure landscape, writing the necessary statements of work and (as Technical Team Lead) oversee the implementation of SAP CRM for Molson Canada. This consisted of adding a separate, Canada-specific client to the CRM landscape found in the UK CRM instance, and hooking it up to a separate backend. Responsibilities also consisted of sitting on the CIC (Customer Interaction Centre) Integration / Governance committee to ensure client-independent code changes are conducive to the evolution of both Canadian and UK installations.



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EDI Infrastructure Overhaul– Molson Canada

Two part infrastructure upgrade for EDI transactions executed by Molson Canada. The initial phase consisted of migrating an Alligacom FTP PC-based system to the corporate datacenter, and implementing failover to the DRP datacenter to address immediate security concerns. The second phase involves a complete technology review having as objective the replacement of the Alligacom solution with Crossgate's SAP-PI solution. This consists of detailing the process flow, architecture diagrams, establishing the high-level rough order of magnitudes for costs, and elaborating, reviewing and approving statements of work necessary for delivering the project, as well as overseeing (as both Project Manager and Technical Team Lead) the execution of project tasks.

SAP R/3 4.6 – ECC 6.0 Upgrade Assessment – Molson Canada

An upgrade assessment team was put together and began a review of requirements and approaches for upgrading the current Molson SAP R/3 4.6 system to ECC 6.0. Once management was advised of the group's findings and project estimates a decision was made to postpone the upgrade to 2010. Even a purely technical upgrade yielded more effort than initially anticipated (for example, there are 108 known interfaces to address resulting in an estimated 222 days of testing). This project was revived in the latter half of 2010.

SAP R/3 4.6 – ECC 6.0 Upgrade – Molson Canada

Assuming a role of Technical Team Lead, I was responsible for identifying the technical project tasks (2172 of the 5040 tasks total), writing the statements of work, and overseeing their successful and timely execution to ensure successful upgrade from 4.6 to ECC6. The upgrade was very successful with an uneventful Go-Live that took place Easter weekend 2011. The new upgraded production system was delivered well ahead of schedule with no business disruption whatsoever. Although the upgrade was purely technical in nature (no new functionality), its downtime-minimized orientation had to consider several hurdles for example: 16 levels of patching that had been neglected, the complexities associated with IS-BEV, and massive amounts of data (especially COEP conversion) since no archiving had ever been performed. A pre-cursor archiving project was successfully executed (see Molson Archiving) to reduce system downtime.

SAP Archiving - Coors

As Technical Team Lead, my role was to oversee the implementation of SAP Archiving for three separate SAP instances (Production, APO, and SCM) – all ECC 6.0. Archiving objects and retention periods were identified, and archiving (as well as house-keeping cleanup programs) were scheduled (with appropriate variants). From an architecture perspective, OpenText iXOS was used to manage archive objects from the SAP NFS to a Centera storage solution. The latter, in turn unidirectionally replicates to a second Centera box (both located in different datacenters – Markham Ontario and Auburn Hills Michigan). Additionally, Bradmark's solution for table and index re-organization without downtime was implemented.

SAP Console Server Refresh – MolsonCoors (Canada and US)

As a result of the server refresh project, the middleware servers allowing SAP shop floor transactions to run via SAP Console were replaced. The impact is enterprise-wide, and affects connectivity issues for WMS installations in Millers, Coors, and Molson throughout North America. The variations in Vehicle-Mounted Units or VMUs (hardware, OS, Telnet client versions, etc.) and Servers (Telnet servers, SAP Console version compatibility, virtual and actual names, etc.) made this testing complexity a necessary evil that needed to be addressed sooner or later. Considering the fact that SAP Console is Toronto's only shop floor solution, and the timing of baseline image refresh aimed at integrating post Go-Live change



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requests, sooner proved to be the lesser of both evils. Configuration changes (to be integrated to the new baseline images for VMUs) and business acceptance test results proved to be successful enabling connectivity to both the new and old SAP Consol server infrastructures simultaneously. The SAP Console server refresh is no longer an issue for shop floor devices in Canada, and the new VMU baseline images have taken the changes into consideration. My role in this project was to design the role out strategy that would assure minimal impact to the business of all three organizations throughout North America. My role was to elaborate the technical components of the project plan, and (as Technical Team Lead) oversee their successful implementation. The project was a complete success with a cut-over that was transparent to end-users.

SAP Test Data Migration Server (TDMS) – MolsonCoors (Canada and US)

This activity consisted of evaluating and investigating the benefits of SAP's Test Data Migration Server. Subsequent to a fact-finding and discovery phase, a general report on the benefits was submitted. Among the advantages one finds possible recuperation of disk space, speedy setup and reuse of test environments, etc.

Warehouse Management System (WMS) Vehicle Mounted Unit (VMU) Baseline Image Upgrade Molson Canada

Subsequent to Montreal's WMS Go-Live, changes have been identified that require adjustments to the baseline image for CV60 VMUs. While some of the changes have been made (though not yet deployed), others are still pending and should be incorporated to a refreshed baseline image scheduled for deployment in spring of 2010. A similar situation exists in Toronto. In the hope of standardizing (where possible) and eliminating task and cost duplication, the VMU Baseline Image Refresh has been extended to encompass locations (Montreal and Toronto) and all devices (CV30, CV60, and Symbol 9090) as well as their permutations of operating systems (Windows XP Embedded, Mobile 5, and CE).

Warehouse Management System (WMS) Contingency Solution Phase II – Molson Canada (Toronto)

The WMS contingency solutions (Phases I and II) were successfully delivered prior to the Toronto Go-Live. To minimize risk, the text-based version (Phase I) of the solution was deployed in the baseline image for Go-Live (even though the SQL Server version – Phase II was ready). With the positive user experience, business acceptance testing was completed shortly after Go-Live, and the text based solution never saw its way to production. Phase II (VMU data capture on local SQL Server CE that replicates with a middleware central instance that posts to SAP) is the current production standard for Toronto. Considering the ability to maintain warehouse business operations in completely disconnected mode, the contingency solution has become an attractive prospect for other divisions (such as WMS Montreal, and MillerCoors). Consequently, deployment of the contingency Phase II solution has become a project in its own right (considering the variety of VMUs) and is closely tied to the VMU Baseline Image Refresh project that covers shop floor warehouse operations for both Toronto and Montreal. One expects a few minor changes to be required as a result of Montreal's business acceptance testing: the impact of using SAP TRM – Task Resource Management in Montreal but not in Toronto still needs to be determined and evaluated – report still pending.

Material Requirements Optimization (MRO) – Ivara Interface Molson Canada (Toronto)

This project was aimed at outsourcing plant maintenance by having a third party manage maintenance orders and equipment using its own applications and subsequently, update SAP. The business requirements were reviewed, and information exchange infrastructures proposed to the team. The project was put on hold at the vendor selection stage. Since each vendor has their own system, no additional efforts were spent on the data exchange component of this project. Once vendor selection is complete, the project will be re-visited with a higher priority. This should occur in the first half of 2010.



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SAP-QM / SharePoint Integration: Vendor Conformity – Molson Canada (Montreal)

What was initially considered to be a simple and low cost project, turned out to be more significant as the client's 'nice to have' turned into business requirements. What was to be a simple SAP Notifications IDoc interface project leveraging service provider partnerships already in place, evolved into a SharePoint interface with attachments using K2 (3rd party technology) for middle-layer interfaces to SAP.

The decision to use this approach was mainly motivated by cost savings resulting from technology re-use, and migrating new and upcoming solutions towards a corporate standard. The solution was delivered around the first week of January 2011, and should not only set the precedent for future Molson SAP Interface projects but also align well with the SAP Upgrade. My role was to act as Technical Team Lead, and assume several Project Manager responsibilities.

ELink Replacement with SAP Manufacturing Integration and Intelligence (MII) – Molson Canada

This project began with an urgent need to replace ELink (interface between manufacturing network and corporate network for exchange of recipe and PLC data at breweries in Montreal, Toronto, Vancouver, St-Johns and Moncton) as a result of loss of vendor support due to product life expiration. Several short-term achievable options were evaluated and considered. When business considered the options, an opportunity was seen to increase business benefits by implementing SAP's xMII Solution and consequently the project scope (and funding requirement) increased. Having assumed a role of Technical Team overseeing the timely execution of project tasks, the solution was successfully and uneventfully delivered in Dec 2010.

SAP Archiving – Molson Canada

My role was that of Technical Team Lead overseeing the of implementation technical components for SAP Archiving for SAP R/3 4.6C. Archiving objects and retention periods were identified, and archiving (as well as house-keeping cleanup programs) were scheduled (with appropriate variants). From an architecture perspective, OpenText iXOS was used to manage archive objects from the SAP NFS to a Centera storage solution. The latter, in turn unidirectionally replicates to a second Centera box (both located in different datacenters – Markham Ontario and Auburn Hills Michigan). Additionally, Bradmark's solution for table and index re-organization without downtime was implemented.

Implementation of Warehouse Management System Molson (WMS) – Molson Canada (Toronto)

My role was one of Infrastructure and Technical Architect for implementation of SAP WMS on ECC6.0 using SAP R/3 4.6 as backend corporate system. The solution consists of a wireless RF environment using SAP Console running on Intermec CV-30 Vehicle Mounted Units (VMUs) bolted to 50 forklifts that ensure 24/7/365 order fulfillment and beer shipping operations. To ensure operations during outages, a Contingency Solution was devised consisting of a disconnected, stand-alone data capture application that saved to SQL Server CE. Once the outage over, SQL Server replication ensures data migration to a central instance that in turn posts production data to SAP.

The Toronto WMS project was successfully delivered on time and under budget with a projected Go-Live period starting on Friday Sept 18, 2009 at 07:00 AM and ending Monday September 21, 2009 at midnight. By Sunday Sept 20th 2009 (50% into the cutover period) operations were successfully transitioned and the legacy systems were no longer required. They were retired within the following month. The business community and senior management's satisfaction is expressed in terms of a '**...successful and flawless implementation**' as well as a '**...monumental success**'



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Warehouse Management System Molson (WMS) – Molson Canada (Montreal)

Post Go-Live support and trouble shooting for implementation of SAP ECC6.0 WMS solution in a wireless, RF environment using Windows XP Embedded Intermec CV-60 Vehicle Mounted Units (VMUs).

Extended Warehouse Management (SAP-EWM) - MillerCoors (Golden Colorado)

Decommissioning current Warehouse Information Tracking System (WITS) and replacement with SAP's extended warehouse management solution. This involves implementing a wireless radio frequency (RF) solution for a 30,000 square foot warehouse that uses 60 forklifts to line load (24/7/364) both trucks and railway cars on 2 separate floors. My role was to identify the project tasks required for a successful implementation, generate the statements of work (identifying the success criteria) for the various partners/contractors, and assume a role of technical project management / Technical Team Lead for the project.

The objective was to combine best of breed solutions from warehouses located in Toronto (Canada), Montreal (Canada), Shenandoah Valley, Virginia (USA) and implement the selected solutions in Golden, Colorado (USA),

Human Capital Management (HCM-eRecruite) MolsonCoors (Golden Colorado)

Implementation of an electronic recruitment solution (similar to JobBoom) for use by Molson (Canada), Coors (USA), Miller (USA), and Bass (UK) using various SAP technologies such as:

- SAP ECC 6.0
- Netweaver
- SAP Portal
- TREX 7.0
- XI
- Adobe

Developer

Responsible for sizing the solution, determining the various components, add-ins, and SP Patch levels for preparation of the server build document. Review, edit, challenge and technically scope business blueprint documents generated by HP-SAP and Molson Coors Subject Matter Experts (SMEs).

Gaz Metro (Société Commanditée Gaz Métropolitain)

October 2005 - Aug 2007

Field Service Technician Mobility Project

Senior Business Analyst: Mobile-enabling field service technicians: perhaps one of the most demanding and technologically challenging projects undertaken to date. Porting SAP order processing (Sales Orders, Notifications, Measuring Documents, Functional Locations, Master Data, Material and equipment characteristics, etc.) to the mobile environment using Symbol M70 PDA. The following are technology components of this project:

- Barcodes (Code 128 and PDF417-2 dimensional barcodes,
- Telemetry transponders
- Radio Frequency Identification (RFID)
- 1X and GPRS wireless for synchronizing data between mobile devices and middleware server (SQL Server)



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- Global Positioning System (GPS) and Geo-coding.

Implementing Enterprise application integration (EAI) among such corporate systems as SAP (running on DB2), Click Scheduler, TS (Oracle-based Time Sheet and Reporting System), and SQL Server 2005-based Bell Fleet-LAV (Automated vehicle location and tracking system) to enable automated generation of time sheets and offer management a comprehensive overview via Online Data Store (ODS).

Responsibilities: Needs assessment, project scoping, functional analysis specifications, solution prototyping, documentation, managing and overseeing software development, QA, Change Management and training initiatives.

SAP modules: PM, IS-Utilities, MM, HR, CATS

Development infrastructure: SAP Netweaver, Eclipse, Java, DotNet, Visual Studio 2005, ABAP

Government of Canada – R.C.M.P. United Nations Peacekeeping Directorate **April 2005 - June 2005**

Stock Tracking and Material Issue Solution

Upgrade of stock tracking and issue material management application developed in 2001 for the R.C.M.P. (see below) in two distinct infrastructures: Batch hand-held devices and wireless RF hand-held devices. The software is to be configured according to specific needs and limitations of two separate warehouses. The project mainly involves enhancement, configuration and code migration to a wireless platform.

This project will allow the R.C.M.P. to use one common material management solution to stock, issue and track material in either desktop, hand-held batch or hand-held RF flavors.

- Application enhancement and performance improvement
- Elimination of middle-layer processing for issues and physical inventory audits performed by PDA.
- Implementation of automated backup system to ensure high availability
- Data cleansing and RDBMS maintenance
- RDBMS upgrade from SQLBase 6.1 to SQLBase 8

DataMirror Corporation **April 2002 – Oct 2005**

Business Process Analyst and Consultant for implementing the Pervasive Gateway middleware (Desktop GUI, Radio Frequency, 1X technology Batch-Mobile data collection devices) for various ERPs. Specializing in field force automation and remote access to SAP, my responsibilities include establishing the desired business process flow with the client (and recommending improvements that streamline processes and maximize ROI), determining business and project expectations, elaborate scoping documents that outline process flows and devise a project plan with the development team. My programming experiences enables me to develop Proof of Concepts (POCs) and prototypes that assist in conveying the end result to the client without monopolizing development resources. Current client consulting includes:



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Bell Canada – Physical Inventory and Asset Management (PIAM)

Migration of SAP physical inventory functionality to an offline handheld Pocket PC and integration with Plant Maintenance (install and disassemble equipment) and Material Management Module (both serialized and non-serialized materials). Considerable custom development allows migration of legacy functionality to a middle-ware, off-line environment that communicates with SAP using stand-alone handheld barcode readers and ASP-based desktop PCs to manage and approve results prior to posting in SAP.

Responsibilities included functional and technical specifications, management of developers responsible for user interface development (ABAP, ASP and Visual Basic for Windows CE), documentation, scoping documents for customer approval and development of recommendations with respect to architectural and IT infrastructure.

Unifine Reichardson – Analysis and Specifications development for implementation of RF-based warehouse functionality

Multi-national supplier of condiments to major food chains (McDonalds, Wendy's, Burger King, etc.) making use of SAP WM Migration of SAP physical inventory functionality (and custom development) to both RF (real-time) as well as off-line (batch) environments using hand-held barcode readers. Proposal for implementation of new custom functionality at middle-ware level. Responsibilities include functional and technical specifications, user interface development.

Mann and Hummel

Preparation of proposal for implementing robotics interface to SAP for automotive manufacturing firm. PLC (Production live robots) perform processing that must update SAP using middle-ware server

Expertech

Preparation of proposal for implementing offline sales order processing and time-tracking for field service order technicians. Information captured using hand held devices is used to update SAP.

Novus (Puerto Rico)

Preparation of proposal and proof of concept (POC) for data exchange between Point of Sale (POS) and SAP using EDI (XML and IDocs).

MSA (Mine Safety Associates)

Implementation and configuration of Report Distributor (SAP Bolt On product from DataMirror)

Tennant Corporation

Preparation of proposal and proof of concept (POC) for implementing offline sales order processing by field service order representatives. Information captured using hand held devices is used to update SAP.

CBC

Preparation of proposal, proof of concept (POC), and project plan for implementing physical auditing of assets based on data extracted from and (subsequent to approval) upload to SAP



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Dare Foods

Preparation of proposal, and proof of concept for implementing offline sales order processing using Windows CE-based Pocket PC devices transmitting data over a 1X-based WAN. Information captured using hand held devices is used to update SAP.

Government of Canada – R.C.M.P. Automated Information Systems

October 2004 - December 2004

Mobile Enablement of Goods Receipt

Development of a PDA-based goods receipt and distribution module to bolt onto the material management system developed in 2001 for the [United Nations Peacekeeping Directorate](#) and migrated to [hand-held / bar-coded environment](#) in 2002. The module would allow procurement data extracted from the TEAM (SAP) system to be used to perform goods receipt and delivery to end users using hand-held devices. The resulting data (delivery and tracking information) is to be used to populate a middle layer Oracle 8i database, and ultimately update TEAM (SAP) as the back-end ERP. This builds on previously developed functionality implemented for the R.C.M.P. UN Peacekeeping:

1. Performs needs analysis and scoping exercise
2. Recommend optimal hardware and infrastructure that best meets business requirements
3. Develop application to transfer data from Oracle 8i RDBMS to Palm-based barcode reading hardware.
4. Develop Palm application to enable barcode capable warehouse operations: goods issue, returns, exchanges, and stock audit
5. Implement barcode-printing capability
6. Design screens for data capture on Symbol SPT-1700
7. Develop the application to read the captured data and update the Oracle 8i backend RDBMS.
8. Master Data Load

Government of Canada – R.C.M.P. Automated Information Management Systems

October 2004 - April 2005

Equipment Tracking Solution

Development of material management application to manage issues and tracking of classified telecommunications equipment in a bar-coded environment

1. Performs needs analysis and scoping exercise
2. Recommend optimal hardware and infrastructure that best meets business requirements
3. Develop application to transfer data from Oracle 8i RDBMS to Palm-based barcode reading hardware.
4. Develop Palm application to enable barcode capable warehouse operations: goods issue, returns, exchanges, and stock audit
5. Implement barcode-printing capability
6. Design screens for data capture on Palm Tungsten C
7. Develop the application to read the captured data and update the Oracle 8i backend RDBMS.
8. Master Data Load



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Government of Canada – R.C.M.P. Protective Policing Logistics

February 2005 - April 2005

Warehouse and Master Data Configuration

Master Data Load: Conversion and migration of data from current material management system (Basset Pro) to new material issue and tracking system.

1. Analysis and configuration of warehouse layout
2. Creation of application to generate bar-coded location labels
3. Analysis and data mapping of serialized and bulk material (stocked)
4. Development of ETL tool to convert source (Basset Pro) data to stock tracking and issue system (Oracle 8i)

Government of Canada – R.C.M.P. Protective Policing Logistics

February 2005 - April 2005

Warehouse / Stocked Material Management Solution Upgrade

Analysis for implementation of material management application developed in 2001 for the R.C.M.P. (see below) in two distinct infrastructures: Batch hand-held devices and wireless RF hand-held devices. The software is to be configured according to specific needs and limitations of two separate warehouses. The project mainly involves enhancement, configuration and code migration to a wireless platform.

This project is expected to allow the R.C.M.P. to use one common material management solution to stock, issue and track materiel in either desktop, hand-held batch or hand-held RF flavors. Scopes of recommendations include:

1. Performs needs analysis and scoping exercise
2. Recommend optimal hardware and infrastructure that best meets business requirements
3. Migrate current application from SQLBase 6.1 to Oracle 8i RDBMS and alter relevant code sections
4. Addition of configurable options for use among different warehouses without re-coding
5. Master Data Load

IDÉGÉ - Arinso International Pedagogical Consulting for Jacob Inc.

August – October 2004

IBC Project (Purchase Order Automation)

Pedagogical consulting and for Jacob clothes line (fashion industry). Since their Go-Live in 2001 (see previous project below) Jacob has decided to extend the procurement process to it's employees and allow them to use SAP R/3 to procure goods and services for internal consumption (rather than resale items only). Key employees are tasked with all phases of the process:



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1. Master Data (vendor, article, service master records)
2. Purchase Requisitions
3. Purchase Orders
4. Goods Receipts
5. Invoice Settlements (including pre-payments)

SAP Workflow integrated with Lotus Notes resulted in a drastic change for the employee who formerly relied on other divisions to perform the tasks.

Develop documentation and training material to facilitate knowledge transfer of over 60 SAP R/3 transactions to employees using SAP R/3 Version 4.6C – Retail. The material developed (both high level concepts as well as step-by-step procedures) consisted of :

1. PowerPoint Presentations
2. Documented Step-By-Step Procedures
3. Quick Help Tools
4. Tutorials
5. Some multi-media based knowledge transfer
6. Training exercises

Government of Canada – Royal Canadian Mounted Police International Peacekeeping Operations

October 2002 - December 2002

Computer Based Training (CBT)

Development and deployment of multimedia computer-based training (CBT), reference and knowledge transfer material for material and warehouse management system.

Government of Canada – Canadian Space Agency

January 2002 - April 2002

SAP-AMMIS Interface Development

AMMIS has been selected as the Material Management system of choice to ensure day-to-day operations. Since SAP is the Agency's Corporate ERP system, this means maintaining two systems simultaneously:

- AMMIS - the tool to ensure day to day operations of the Inventory Control, Customs and Excise Unit and its clients
- SAP - The corporate ERP system used primarily for data warehousing and reporting purposes (insofar as material management is concerned).

In addition to initial legacy data loads, data exchange will be required between the two systems on an ongoing basis.



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- SAP-AMMIS Interface development:
 - Asset Management:
 - A. Legacy Master Data Load: Generation of Excel spreadsheets for AMMIS initial data load
 - B. SAP Extract of Asset Procurement Data for AMMIS
 - C. SAP Asset Custodial Updates: SAP updates from AMMIS extract of asset custodial records (including initial and subsequent assignments)
 - D. SAP Asset Value Adjustments: SAP updates from AMMIS extract of asset data subsequent to value adjustments
 - Receiving
 - A. SAP Extract of Procurement Data for Receiving
 - B. SAP Receiving: SAP updates from AMMIS Extract of Receiving Data (subsequent to receiving in AMMIS)
 - Warehouse Management
 - A. Master Data Load
 - Development of Material Tracking Module

Government of Canada – Environment Canada November 2001 - April 2002

Elaboration of Material Management Strategy and Policy

Elaboration of a material management strategy to be implemented to ensure material management systems are in harmony with the Treasury Board of Canada's new Financial Information Strategy for Federal Departments. The project is broken down into three major phases:

- Assessment of current needs Analysis of Oracle Financials and the gaps that exist to perform material management functionality according to the specific needs of Environment Canada
- Identification of Driving Factors Identification of highlights and principal factors to consider in the elaboration of a strategy that would allow front-line managers to manage the assets and inventory under their responsibility while ensuring Treasury Board Policies and Environment Canada Directives are respected.
- Development of the Material Management Strategy

IDÉGÉ - Arinso International December 2001 – Feb 2002

Pedagogical Consultant: Connexim Inc.

Knowledge Transfer Presentation – MM and SD Concepts in SAP Overview presentation of Material Management and Sales and Distribution modules in SAP. The objective is to offer the client a view of the possibilities and potential pit-falls in new SAP installations, and elaborate best business practices that meet the client's business process flows.

Government of Canada – R.C.M.P. United Nations Peacekeeping Directorate. December 2001 - January 2002



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Migration of material management functionality (stock issues and audits) to bar-code reading platform

- Recommend optimal hardware that meets business requirements
- Develop application to transfer data from SQL-based relational database management system to Palm-based barcode reading hardware.
- Develop Palm application to enable barcode capable warehouse operations: goods issue, returns, exchanges, and stock audit
- Implement barcode-printing capability
- Design screens for data capture on Symbol SPT-1700
- Develop the application to read the captured data and update the SQL-based relational database management system.

Government of Canada – Canadian Space Agency October - November 2001

Analysis and Evaluation of Material Management Systems

The mandate consisted of four main phases:

1. Perform an in-depth analysis of business process review and identify shortcomings between adopted best business practices and material management systems currently used to perform Inventory Control, Shipping and Receiving, Customs and Excise, Warehousing, Material Tracking and Hazardous Materials Management functions.
2. Generate a functional as well as technical checklist to evaluate the above material management systems as well as future systems being considered.
3. Use the generated lists to evaluate the effectiveness and efficiency of SAP's R/3 system (as it is currently configured) and AMMIS as a possible alternative for some of the systems in place.
4. Supply recommendations and estimates of development efforts required for implementing the systems such that the client's business practices are met.

IDÉGÉ - Arinso International

August – October 2001

SAP 4.6C Retail Pedagogical Consulting for Jacob Inc.

Pedagogical consulting and end-user (pre and post Go-Live) support for Jacob clothes line (fashion industry). Develop documentation and training material to facilitate knowledge transfer to employees using SAP R/3 Version 4.6C – Retail system and Business Information Warehouse. The material developed (both high level concepts as well as step-by-step procedures) pertains mainly to allocation planning in SAP Retail and consists of:

- PowerPoint Presentations
- Documented Procedures
- Quick Help Tools
- Tutorials
- User Training (classes of 12 participants, train the trainer, peer-to-peer)
- Development of training exercises



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Government of Canada – R.C.M.P. Material Management Directorate September 2001

Feasibility Study for Implementing WMS RF Devices

Feasibility study and options analysis for implementing radio-frequency, bar-coded access to SAP-R3 using Intermec and Janus (DOS-Based) hand-held devices in a warehouse environment (SAP WM / SD / MM). Identification of alternative technologies to maximize return on investment (hardware and software).

Government of Canada – R.C.M.P. United Nations Peacekeeping Directorate. July 2001

Master Data Load for automated inventory control system.

- Analysis and mapping of legacy data
- Data extraction from legacy system
- Development of program to load extracted data

Government of Canada – R.C.M.P. United Nations Peacekeeping Directorate. May - June 2001

Analysis for and development of automated inventory control system

- Analysis of business process review and infrastructure requirements
- Analysis of current market trends and aligning development proposal with Treasury Board Directives and Guidelines.
- Preparation for project plan for client review and approval (including flowcharts, proof of concepts and prototyping).
- Development and installation of SQL Relational Database Management System (RDBMS).
- Object-Oriented Programming of approved functionality (based on project specification proposal).
- Quality assurance testing, documentation (both user and technical), and end-user training.

Pièces Métropolitaines / Au Foyer du Campeur March - June 2001

Development of Material Management and POS Solution

Development of full-scale material management system. The project consisted of automating the entire material life cycle process (acquisition, processing, warehousing, sales, inventory control, stock replenishment and management reporting from scratch).

- Business process review and needs analysis
- Hardware and software recommendations and acquisition
- Installation of RDBMS and creation of tables, stored commands and procedures.



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- Development of object-oriented coding to execute the desired functionality (including user-interfaces, auto backup and restores, and file-based EDI for updating inventory master records from suppliers).
- Quality assurance testing, documentation, end-user training and post-implementation support.

Dataverse International (DHI) and SAIPX

Oct 1998 – March 2001

Bell Canada – SAP Implementation (Genesis Project)

ABAP developer responsible for identification and documentation of technical requirements (for client and team lead approval) based on business requirements documents. Development was mainly related to FI-CO, MM, SD, and WM SAP modules.

Development of ABAP-based Vendor Managed Inventory (VMI) solution aimed at rating vendor performance based on goods movements, and delays. This consisted of list reporting as well as an Excel interface for graphical reporting, as well as optimization of code and job scheduling.

Bell Canada – Disaster Recovery Strategy

Develop the policies and procedures required to implement disaster recovery for the Genesis project

ReportScope

Development of a bolt-on solution for SAP that uses DDE to dynamically extract data from SAP and display it in Word place holders allowing users to report SAP data within Word.

Development of SAP-sided ABAP code, OLE interface, technical and installation documentation, end-user training manuals

Prevost Car

Implementation of a client-facing website for ordering parts using the SAP-ITS infrastructure. Tasks consisted of multiple technologies: ABAP development, web and gateway server installations, front-end development (web pages, MIME objects, Java connections, etc.), and liaising with web hosting and ISP partners. For the year 2000, this was considered leading edge technology.

RCMP Upgrade to 4.6

Custom code validation adjustment and testing to ensure post upgrade success of ABAP programs. Among the various technologies, we find dialog programming, BDCs, iDocs, and list reports.

Electrovaya

Development of SAP Console based MM transactions (SAP Goods Issue for delivery). Business requirements and technical specifications, ABAP development, and solution prototype for client acceptance.

McNeil Consumer Products (Johnson and Johnson)

Implementation of accepted proposal for implementation of RF-based SAP material management / warehouse functionality (Goods Issue – Goods Receipt) for multi-national supplier of health care products (i.e. Tylenol). Development of proposal and scoping document (including elaboration of infrastructure, and RF interfaces).



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Canadian Space Agency - Head of Material Management
Sept 1990 – Oct 1998

Section head responsible for: Consumables supplies, Shipping and Receiving, Warehouse Management, Hazardous Materials, Asset Management, Customs and Excise.

Supervision of contractors (contractor assessments), and employees (performance management evaluations)