



Statistics Statistique
Canada Canada

Ottawa, Canada
K1A 0T6

<http://www.statcan.ca>

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Re: Reference Letter for **Procase Consulting Inc.**

I have been very impressed with the service that Procase has provided to Statistics Canada with regard to the CANSIM (Canadian Socio-economic Information Management System) project.

CANSIM is one of the most critical systems within Statistics Canada. It is a data warehouse of publishable statistics that has been in use for over 30 years, providing information to expert analysts and the public. CANSIM has been available on the Internet since 1996.

As member of the CANSIM team, I attended an Oracle course taught by a Procase consultant. I learnt a great deal and was very impressed with the instructor's knowledge and real-world expertise. So when we at the CANSIM group decided it was time for an external review of CANSIM's system architecture, we decided to contract Procase to do the review and provide performance improvement recommendations.

Procase was able to learn the application quickly and became productive on their first day. They first focused on the system architecture and identified significant improvements in database design, process flow and algorithm design. These recommendations were reviewed by management and were recognized as very high impact improvements. The CANSIM team is planning to implement all the recommendations.

Procase then turned to performance tuning. They reviewed the most critical processes in the system and identified ways to improve their performance. Procase also offered a number of general tuning techniques applicable to the entire application. To illustrate these techniques Procase tuned a stored procedure that was the highest priority for the web front-end. Procase re-wrote this procedure using a more efficient algorithm and performance improved from 30 seconds to 0.2 seconds.

All the stakeholders in the CANSIM project are very pleased with Procase's work. Their staff has demonstrated a level of expertise and knowledge that has made a significant impact to our operation. We would not hesitate to utilize Procase services in the future, and we strongly recommend them to other organizations seeking similar expertise.

For further information or questions, please don't hesitate to contact me.

Salaam Yitbarek
Systems Analyst
Dissemination Division, Statistics Canada
(613) 951-8100
salaam.yitbarek@statcan.ca

