



**ABB Global Media Tour in Quebec City
ABB Analytical - FAQ
June 27, 2008**

1. Who is ABB Analytical?

ABB Analytical designs, manufactures and markets high-performance analytical systems and spectrometers for the Academic, Pharmaceutical, Chemical, Petrochemical, Semiconductors as well as Remote Sensing and Aerospace applications. It also markets analyzers to detect hydrogen and inclusions in molten aluminum — a major industry in Quebec.

More than 200 people work at ABB Analytical, which is based in Quebec City.

2. ABB Analytical is announcing a world aerospace industry “first”! Can you tell us more about it?

ABB has designed one of the highest-performance interferometers in the history of the space industry at its Quebec City facility.

The heart of the GOSAT instrument is a “Michelson interferometer,” also called “Fourier transform spectrometer.” It is a system capable of gathering and transmitting precise atmospheric measurements, up to 30 times a day, at a distance of 650 kilometres from Earth.

The measurements will be used to record and evaluate the levels of carbon dioxide and methane in the atmosphere.

With a planned launch in the fall of 2008, the Greenhouse Gases Observing Satellite (GOSAT) will be the first mission to measure global CO₂ and CH₄ levels. The program is one of Japan Aerospace Exploration Agency (JAXA) initiatives.

3. Will the interferometer help us meet global Greenhouse Gas targets?

GOSAT measurements will be useful for all of us, as they will help raise global awareness of the need to reduce greenhouse gas (GHG) emissions — an individual and group objective around the world.

We have also worked on a number of other environmental projects, such as SciSAT-1 (ACE-FTS) with the Canadian Space Agency.

4. How is ABB contributing to improving climate change? Is ABB developing environmental solutions for customers by setting an example in the area of GHG reductions?

Yes, ABB is working hard to save energy and mitigate climate change. On June 1st 2007, the UK newspaper *The Independent* and an organization called “Ethical Investment Research Services” ranked ABB as the world’s tenth-greenest company, alongside Japan’s Matsushita and Sanyo.

The ranking was based on criteria that included management systems, waste production, water use and involvement in technologies that positively impact climate change.

5. Who works at ABB Analytical ?

Engineers, software specialists, chemists, physicists, as well as specialists in management, finance, sales, marketing and human resources enjoy challenging and rewarding work with opportunities for advancement and career development.

6. How does ABB Analytical market its products?

We market our products through ABB’s internal international sales network and our distributors.

7. Does ABB Analytical apply expertise acquired in aerospace projects to develop other technologies?

Yes. In May 2007, ABB launched the MB3000, a Fourier Transform Infrared analysis system. This new spectrometer represents a major technological breakthrough in the market of low-cost, high-performance equipment. The Interferometer, the heart of the instrument, combines 20-year proven technology with one that was recently developed for aerospace application, thanks to the Canadian Space Agency’s technology development program. This interferometer, which in fact is a miniaturized module used in satellites, has been integrated into the new design of the analyzer. The small footprint of the MB3000 requires very little work space, meeting the needs of today’s overfull laboratories.

8. What does the MB3000 analyzer do?

The MB3000 is used in laboratories as well as in industrial processes to analyze multiple chemical components in the final quality control of consumer products like canola and sunflower vegetal oils. It can also be used for quality sampling of tablets, caplets, capsules or gel tabs. ABB developed the rugged, reliable instrument, which offers exceptional performance and ease of use in response to increasing customer demand.