

## MEDIA FACTSHEET

### AMEC in the Oil Sands sector

As global energy demand increases, so too does the importance of 'unconventional' oil sources such as bitumen-laden oil sands. Canada is the world's largest producer of oil sands with reserves of over 173 billion barrels. It is second only to Saudi Arabia in terms of global oil reserves. High energy prices and closeness to the US market have led to rapid expansion of the industry.

AMEC is a major provider of services to the Canadian oil sands producers, carrying out design, delivery and specialist consultancy across all aspects of extraction and production. We have worked in the sector since the 1950s and helped build the first oil sands plant in 1967. Key customers include Esso, Imperial Oil, Petro-Canada, Shell, Suncor and Syncrude. Our oil sands business is headquartered in Calgary, Alberta, and employs around 1,100 people.

Our capabilities include:

#### ENGINEERING AND PROJECT MANAGEMENT

AMEC provides engineering, procurement and construction management services for oil sands surface mining, extraction, transportation by pipelines, power generation and infrastructure for bitumen extraction plants. We have project managed multi-billion dollar facilities in the harsh winter conditions found in northern Alberta.

In May 2008, we acquired Bower Damberger Rolseth Engineering Limited (BDR), which provides specialist technical engineering services to the fast-growing 'in-situ' heavy oil, gas and oil production industries. The acquisition gives AMEC expertise in thermal recovery of in-situ oil through its Steam Assisted Gravity-Drainage (SAG-D) methods

#### MULTIDISCIPLINARY ENVIRONMENTAL SERVICES

We provide services in biophysical and social sciences including aquatic and wildlife biology, plant ecology, hydrology, waste management, soil sciences, reclamation and socio-economic impact assessment. Our expertise in constraints mapping enables us to evaluate and reduce potential environmental risks and to set up long-term environmental monitoring and management. Our global environmental services include environmental due diligence, planning and permitting, and contaminated land management.

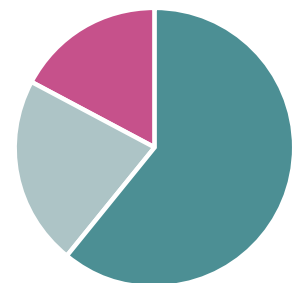
#### GEOTECHNICAL DESIGN AND ENGINEERING SERVICES

We provide geotechnical engineering services for oil sands tailings (liquid waste products) and overburden (surplus soil). We have unrivalled expertise in the geotechnical properties of oil sands and their surrounding geological strata, supporting initial investigation, design, operational support and monitoring. AMEC has designed most of the major oil sands tailings structures in the region, pioneering the use of large, hydraulic cell constructed dykes for tailings ponds.

## Natural Resources

### Principal activities

% divisional revenues 2008



■ 61% Oil and Gas Services

■ 22% Oil Sands

■ 17% Minerals and Metals Mining

AMEC (LSE: AMEC) is a focused supplier of high-value consultancy, engineering and project management services to the world's energy, power and process industries. With annual revenues of over £2.6 billion, AMEC designs, delivers and maintains strategic and complex assets for its customers. AMEC's Natural Resources, Power and Process and Earth and Environmental businesses employ over 22,000 people in more than 30 countries globally. For further information please see [www.amec.com](http://www.amec.com).

## TECHNOLOGICAL INNOVATION

We are leaders in the development of alternative tailings technologies. AMEC engineers and scientists have also developed project-specific modelling software to solve engineering and environmental challenges and to forecast future system behaviour.

## PIPELINE EXPERTISE

We undertake geotechnical investigations, monitoring and routing services to most major pipelines in Western Canada.

## RECLAMATION

In partnership with local government, we have designed, implemented and monitored reforestation projects, focussing on the physical and chemical properties of the soil cap required on oil sands tailings. We have tested the performance of various tree and shrub species suitable for revegetation in the oil sands region.

## SOME OF OUR CURRENT AND RECENT CONTRACT

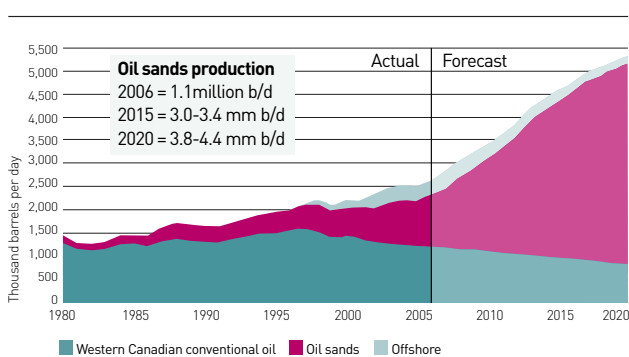
Going forward, our strategy in the oil and gas sector is centred on:

- Syncrude — In early 2008 we began a five-year, \$100 million (£50 million) contract to provide engineering design and project management services for new and existing facilities at the Mildred Lake and Aurora operations in northern Alberta.
- Imperial Oil — We first became involved in the Kearl oil sands development in 1999 and helped prepare the project design memorandum for the 100,000 barrel per day Phase 1 production facility. We are now providing engineering design services for the facility.
- Suncor — The Firebag project, currently being built, is expected to produce more than 400,000 barrels per day by 2014. We provided environmental and geotechnical services for the site development and are providing foundation engineering and pilings installation and training services.

## STRATEGY

- Maintain our leading position in the surface mining sector, expanding froth treatment capability
- Develop in-situ mining capability
- Strengthen construction management and engineering procurement and construction management service
- Grow the customer base

Oil Sands production  
1980 –2020



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