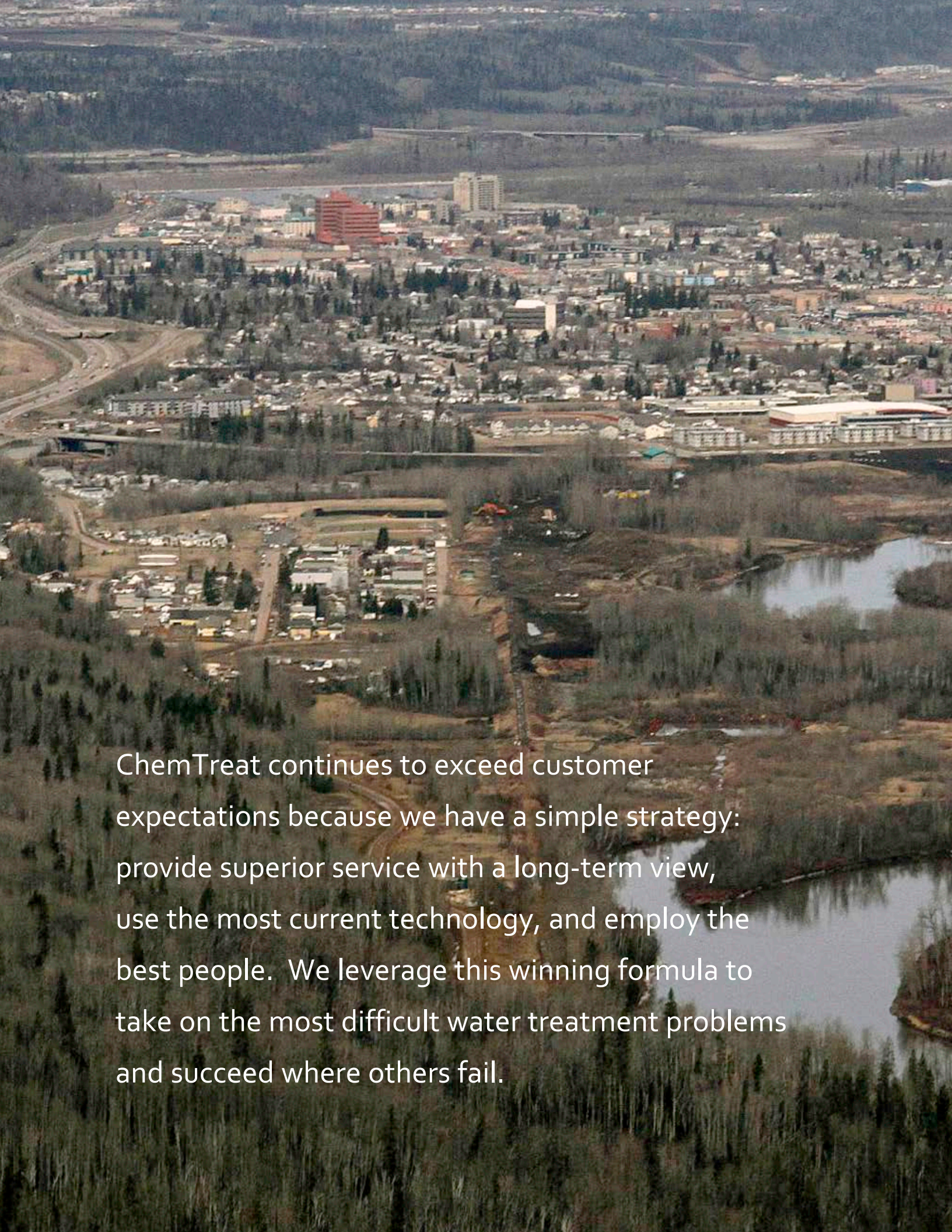




Process and Water Treatment for the
OIL SANDS INDUSTRY

Oil Sands producers are constantly striving to optimize production while maintaining the highest levels of quality and compliance. ChemTreat's process and water management strategies improve the efficiency of plant operations, protect employees and the environment, and ultimately make our customers more competitive.



An aerial photograph showing a city in the background with various buildings, including a prominent red one. In the foreground, there is a large water treatment facility with several rectangular basins and a winding river or stream. The surrounding area is a mix of urban development and natural greenery.

ChemTreat continues to exceed customer expectations because we have a simple strategy: provide superior service with a long-term view, use the most current technology, and employ the best people. We leverage this winning formula to take on the most difficult water treatment problems and succeed where others fail.

The Best People

Developing Partnerships, Delivering Results

- Global network of experienced field engineers with a vested interest in your success
- Application Technology team with unparalleled industry expertise & problem-solving capability
- R&D group that specializes in the development of customized solutions
- Portable and fixed analytical labs that offer comprehensive testing and quick turnaround

Peace of Mind

Reliability of Production & Performance

- Increasing productivity through the reduction of cleaning and maintenance activities
- Increasing water quality with customized polymer solutions for warm & hot lime softening
- Reduction of diluent addition through superior demulsification performance
- Improved reliability and productivity through evaporator deposit control

ROI Solutions

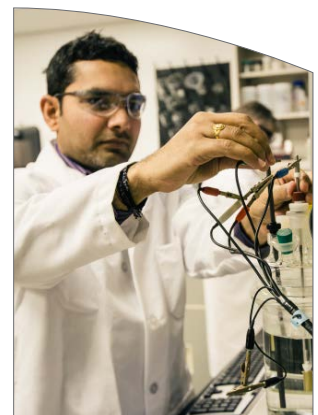
Helping Our Customers Do More With Less

- Maximizing energy efficiency through improved heat transfer and control
- Safe engineered solutions to ensure asset and environment protection
- Extending asset life with effective programs that efficiently utilize water & energy resources
- Proven strategies for effective water and wastewater reuse

Continuous Innovation

Advanced Technology For Complex Systems

- Customized products designed for unique water and equipment needs
- Web-based water treatment communication and control for 24/7 system monitoring
- Eco-friendly, high performance cooling, boiler and wastewater chemical technology
- Enterprise-level data management for measuring quality and conformance

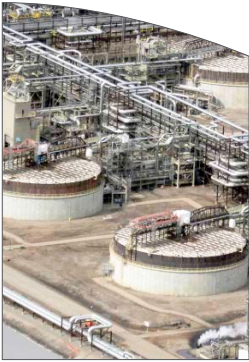


ChemTreat's Enhanced Offerings



Inlet Separation Technology (Demulsification)

- Rapid Phase Separation
- Diluent Reduction
- Improved Sales Oil Dehydration
- Oil in Water Reduction



Produced Water Treatment

- Produced Water Exchanger Fouling Control – Reduced Cleaning Frequency
- Improved De-oiling – Oil in Water Reduction
- Optimized IGF Operation – Reduced Downstream Oil Contamination
- Enhanced WLS/HLS Performance – Less Maintenance / Improved Reliability



Conventional Treatment

- Improved Warm Lime Softening / Hot Lime Softening Clarification
- OTSG Scale Control – Extended Period Between Cleaning Cycles
- Maximized OTSG Blowdown Recycle



Evaporator Treatment

- Optimization of Antifoam Programs with Low to No Silica Chemistry
- Evaporator Scale Control – Improved Heat Transfer & Decreased Cleaning Frequency
- Increased Solids Loading – Reduced Evaporator Wastage
- Optimization of Water Usage Through Recycle/Reuse and Reduction Strategies
- Control of Scale & Corrosion in Steam Boilers – Maximize On-stream Time

