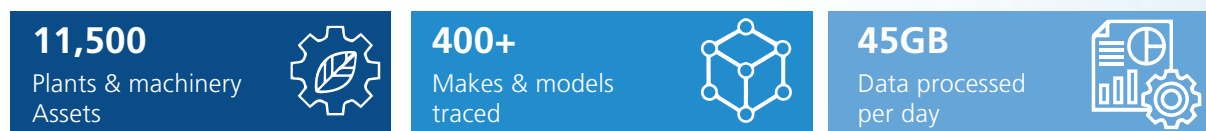![L&T LTIMindtree logo] **LTIMindtree**

Asset **NxT**

BROCHURE

Transforming Equipment Management with IoT Technology

Asset NxT leverages IoT technology to build a network of connected assets, where high-value data is intelligently linked and processed in real-time. Algorithms powered by AI convert this data into insights that can be used for a variety of applications, from equipment performance to perfectly-timed preventive maintenance. These insights allow clients to make informed decisions and help them improve equipment availability, optimize fuel and energy consumption, boost productivity, and enhance operational efficiency. Our solution also provides the insights required to minimize carbon emissions and drive and measure meaningful sustainability initiatives.

Meaningful ROI and Future Readiness

Digital transformation can be difficult - but the process can be easier with LTIMindtree consultants by your side to lend experience from hundreds of client engagements.

11,500 Plants & machinery Assets	**400+** Makes & models traced	**45GB** Data processed per day

Our IoT solutions give our clients definitive measurements for a variety of KPIs. Collectively, Asset NxT customers who have deployed LTIMindtree connected equipment solutions have experienced a 30% increase in the utilization of their key assets, along with a 20-40% increase in equipment productivity, while converting legacy assets into smart assets. Also, our clients have released 2,000+ underutilized assets and experienced a 40% improvement in equipment availability. Increases like these not only drive immediate impact, but also result in quick ROI and make organizations ready for the future.

End-to-End Value Chain for Manufacturers

Asset NxT provides IoT-fueled solutions that address one of the great cost and productivity drains for industrial organizations: equipment inefficiency. Equipment underutilization, downtime, and poor energy efficiency have a devastating effect on project timelines, budgets, manhours, and sustainability efforts. Asset NxT resolves these critical issues by collecting raw data on asset performance through sensors, gateway, PLCs, and SCADA systems. Our software solutions convert this raw, real-time data into actionable insights. These insights give clients a real-time view on performance with which they can make informed decisions around deployment, utilization, right-sizing, energy consumption, equipment maintenance, and more.

Our Asset NxT product offering provides real-time visibility to a wide range of industrial equipment, machines, vehicles, and systems.

Equipment	Data Acquisition	Data Processing and Communication	Outcomes
Construction Equipments	Gateway	**Gateway**	Operational Equipment Effectiveness
Mining		Edge Computing	
Manufacturing		Security Management	Operational Visibility
	CANOpen/Modbus	Device Management	
			Equipment Availability /Productivity
		Communication	
		Wifi, Bluetooth	Fuel Consumption
		2G/4G	
	Analog/Digital inputs	LoRA	Condition based Monitoring
	Sensors - Fuel		
		Cloud	Energy Optimization
Fleet		Data Ingestion	
Transport & Logistics		Data Processing	Preventive & Predictive Maintenance
	PLC/Scada	Storage	
		Protocols	
		Modbus RTU/TCP	
		BACnet	
		OPC UA	
		FTP	
	GPS/GLONASS	CANBUS	

Impact on Sustainability

For most Asset NxT clients, the sustainability benefits of our connected equipment solution (e.g., reduced idling and optimized fuel and energy consumption) have resulted in measurable cost savings. Government agencies and large enterprises around the globe require proof of sustainability, and the insights from our solution enable our clients to measure and reduce carbon output and provide data to confirm the impact of their efforts.

Turn Industry 4.0 into a Growth Engine

Want to know more about how Asset NxT is part of a holistic approach to a profitable Industry 4.0 transformations? **Visit us** to learn how LTIMindtree is enabling organizations to engage customers like never before, anticipate their needs, and respond with incredible speed and precision.