

Award Recipient of the ENERGY STAR Challenge for Industry



Decherd Powertrain Assembly Plant
Nissan North America, Inc.
520 Nissan Powertrain Drive
Decherd, TN 37324

The Nissan North America, Inc. Decherd Powertrain Assembly Plant located in Decherd, Tennessee began as a 4-cylinder engine assembly plant in 1997. The facility was subsequently expanded to add 6 and 8 cylinder engines. Additionally, the facility recently began production of the electric motor for the Nissan LEAF. The Decherd Powertrain Assembly Plant manufactures powertrains for all Nissan and Infiniti products assembled at plants located in Smyrna, Tennessee and Canton, Mississippi. Operations at the plant include aluminum block casting, crankshaft forging, machining and assembly.

The Decherd Powertrain Assembly Plant achieved the ENERGY STAR Challenge for Industry in 2012 achieving a 26.2 percent reduction in energy intensity within two years from its baseline. The plant achieved this through improved compressed air leak identification and repair practices and improved equipment shut down procedures. The Compressed Air Team works on weekends during slowed production to identify and repair leaks. The Maintenance Team implemented better procedures for shutting down equipment during non-production. Additionally, Nissan engages its employees on the production floor through green teams. Active members help identify and implement projects to increase recycling and energy conservation. Overall, the plant has seen a reduction of 0.39 MM BTU/engine of energy consumed onsite.

The Nissan Decherd Powertrain Assembly Plant is part of the Nissan Green Program which seeks a symbiosis of people, vehicles and nature. To contribute to the creation of a sustainable mobile society, Nissan continues to seek new ways to address environmental challenges including the reduction of CO₂ emissions. Nissan is taking action not just for the present generation but for future ones as well, striving to preserve the global environment.

For more information contact:

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