

KIA Motors India ramps up SUV production with Tiberio

Founded in 1944, Kia Motors is Korea's oldest manufacturer of motor vehicles. Known for their world-class quality, Kia vehicles are popular all over the world, including India.

In April 2017, Kia Motors signed a memorandum of understanding with the State Government of Andhra Pradesh, India, to build a new manufacturing facility in Anantapur District, and Kia Motors India (KMI) started construction of its plant that same year. The plant began its operations in December 2018.

From the new plant, KMI launched its premium SUV, Seltos, in 2019, which sold over 45,000 units from August 2019 to December 2019. KMI plans to reach optimum manufacturing capacity in the plant soon and has plans to roll out two new cars.

INDUSTRY

Automotive

TMAXSOFT SOLUTION

Tiberio, JEUS/
WebtoB

CHALLENGES

- Addressing the architecture and database needs of running a manufacturing plant 24 x 7
- Ensuring no or negligible downtime
- Reducing issue resolution time
- High costs of supporting and maintaining many enterprise-grade systems

RESULTS

- High availability
- Seamless integration with Oracle database and robust database management
- Issue resolution in 2 hours or less
- TCO reduced at least 50% over 5 years

The challenge

A robust IT architecture is important for ensuring all operations in the plant run smoothly and that data exchange between all departments is seamless. In addition, because the manufacturing plant often runs 24 x 7, support and issue resolution at any point in time with no or negligible downtime is critical. In addition, the plant uses many enterprise-grade software products and systems, all of which can increase TCO. To keep costs down and address these challenges, KMI needed an RDBMS that offered high availability at a lower cost than Oracle's RDBMS—and middleware to ensure integration between systems was seamless while optimizing plant operations.

The solution

KMI chose TmaxSoft Tibero as RDBMS because of its compatibility with Oracle, plus JEUS and WebtoB to ensure compatibility between multiple platforms, including its manufacturing execution system (MES), parts traceability Information system (PTIS) and internal quality information system (IQIS).

As a result of the deployment of Tibero, JEUS, and WebtoB, KMI's SLAs of 24x7 support for production databases, no downtime during issue resolution, and responses to issues in two hours could be achieved. In addition, the TmaxSoft product combination delivers the robust architecture, high performance, and high availability that KMI needs at its busy plant. KMI reports a reduction in operation and maintenance costs and expects a reduction in TCO of at least 50% in 5 years when compared to the alternate option of Oracle's RDBMS and Middleware with all features and maintenance.

Running an automobile manufacturing plant 24 x 7 requires numerous systems, smooth operations, and seamless data exchange. Thanks to Tibero, JEUS, and WebtoB, KMI is now ready to reach its optimum manufacturing capacity of 300,000 units.

TmaxSoft is a global software innovator focused on data management, middleware and mainframe modernization, with solutions that offer enterprise CIOs viable alternatives to support their global IT powerhouses and drive competitive advantage. TmaxSoft has based its growth on a strong foundation of research and development, along with a sustained commitment to innovation. Today, we work with over 2,000 customers around the world.

TmaxSoft was founded in 1997, and today we have over 1,700 employees in 20 strategic centers around the world.

T I B E R O

Tibero is the best enterprise RDBMS for the Virtual Data Center. Our licensing model allows enterprises to fully maximize their virtualization investment by only licensing the cores associated to a given VM, resulting in drastically lower TCO.

J E U S

JEUS 8 is the first web application server that is JAVA EE 7 Certified, providing a platform for quickly and easily implementing cloud environments and executing large transactions.

W E B T O B

WebtoB is a powerful and stable next-generation web server that provides enhanced security, error handling and massive-scale transaction processing. Used together, JEUS and WebtoB improve performance by sharing memory and eliminating the network traffic required when two products are deployed on two servers.



G L O B A L H Q

TmaxSoft, Inc.

230 West Monroe Street,
Suite 1950
Chicago, Illinois 60606

TEL : +1.312.525.8330
Email : info@tmaxsoft.com
tmaxsoft.com

Korea Group HQ and R&D Centre

TmaxTower 45, Jeongjail-ro,
Bundang-gu, Seongnam-si,
Gyeonggi-do, Korea 13613

TEL : +82.31.8018.1000