



EUROPEAN AUTOMOTIVE MANUFACTURER GETS NEW VEHICLES ON THE ROAD SOONER

TOYOTA MOTOR EUROPE

/// CASE STUDY



When Toyota collaborated with Peugeot/Citroën to manufacture a series of compact cars in the Czech Republic, the company turned to EDS, an HP company, for its many years of automotive industry expertise, vast global reach, and proven end-to-end plant start-up methodology and experience.

CLIENT PROFILE

www.toyota-europe.com

With its first car imported in 1961, Toyota has had ties with Europe for decades. When Toyota Motor Europe was founded in 1989, the company worked to create safe, economical vehicles - a goal which remains a top priority to this day.

Industry: Manufacturing

Founded: 1989

Headquarters: Brussels, Belgium

Employees: 55,000

Business Needs Addressed:

Growth

Productivity

Brand new plant needed complete range of linked applications

In March 2002, Toyota Motor Corporation and Peugeot Société Anonyme (PSA) embarked on a joint venture to build compact cars in the Czech Republic. The company called Toyota Peugeot Citroën Automobile (TPCA) would develop and manufacture 300,000 small passenger cars every year: the Toyota Aygo, the Peugeot 107 and the Citroën C1.

But first, TPCA needed to build a brand new green-field assembly plant in Kolin, near Prague, Czech Republic, with production targeted to begin in time for the unveiling of the new compact cars at the Geneva Motor Show in March 2005.

While PSA brought its material sourcing expertise to the table, Toyota contributed design and engineering, its famous Toyota Production System (TPS), and its IT infrastructure.

Having worked with EDS before, Toyota's Brussels-based subsidiary, Toyota Motor Europe, chose EDS for its automotive industry expertise and experience with similar plant start-ups. As Toyota's IT partner, EDS would manage application development and implementation of the European IT application systems for the new vehicle assembly plant. Covering a wide range of business functions, the project included developing applications for parts flow systems, vehicle systems, finance and administration systems, and service parts systems. What's more, these systems had to connect Toyota's and PSA's corporate systems, Toyota Europe Sales systems and local TPCA plant floor systems.

EDS integrated 38 business sub-systems

EDS relied on its proven 12-step plant start-up methodology to manage the complex project. After assessing Toyota's business needs, the team of industry experts quickly developed a project plan that would manage end-to-end responsibility for all applications development and implementation from parts forecasting and logistics to accounting and vehicle acceptance. This involved integrating 38 different business sub-systems based on 2,000+ programs, 700,000+ lines of code and 8,000+ different project deliverables.

Services featured

- Application Development Services
- Manufacturing Services

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Matt Stevens
Senior Manager
Information Management Division Toyota
Motor Europe

Multiple joint venture partners collaborating in production at the new plant could have posed additional challenges. But EDS' 12-step approach helped the team predict and avoid potential issues. For instance, by interfacing its manufacturing applications with each partner's corporate systems, EDS ensured comprehensive visibility and access. The team implemented the new manufacturing systems at TPCA and ensured compliance with legal requirements in the Czech Republic.

Project met stringent quality standards two months early

The EDS team completed the project two months ahead of time and within budget, while realizing Toyota's rigorous quality standards. With all systems a go, the first Toyota Aygo, the Peugeot 107 and Citroën C1 rolled off the production line in February 2005, right on schedule.

Attesting to EDS' commitment to delivery excellence, Matt Stevens, senior manager of Toyota Motor Europe, notes, "EDS seems to be able to reach over or ignore borders much more effectively than other IT vendors. They got the job done, and the end result has been very good."

In fact, post-project interviews confirmed EDS exceeded Toyota's expectations in quality, project management and industry expertise, all of which has led Toyota to continue relying on EDS for its IT needs.

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