

Headquartered in Tokyo Japan, the Client is the worlds largest manufacture of two wheelers. The company boasts of 21 models and three manufacturing plants out of which the Jaipur and Bengaluru plant produces 2.8 and 1.2 million units per year respectively.

#### **Solution:**

Vision inspection - Assembly Process.

#### **Problem / Pain Point:**

The Client wants a system in place to verify if the correct code is assigned to the correct engine.

#### **Objective of Project:**

1. To verify the Correct code assigned to correct Engine on engine assembly line.
2. To provide commissioning, training and Support required for the vision inspection - assembly process.

#### **Solutions Proposed:**

QodeNext proposes a customized application integrated with a vision smart camera and a barcode scanner in presentation mode.

Barcode scanner will communicate with the QodeNext APP over USB and the Vision Camera will communicate over the Ethernet with the QodeNext APP.

The App would verify the data received from the Barcode scanner and the Vision system, If the data does not match, App displays RED signal and triggers the PLC to stop the conveyor.

#### **Benefits:**

1. The customized QodeNext Application verifies the data and in case the data does not match, it displays a RED signal. This ensures that the correct code is assigned on the correct engine on the assembly line.
2. Automation reduces manual errors, thereby improving operational efficiency.