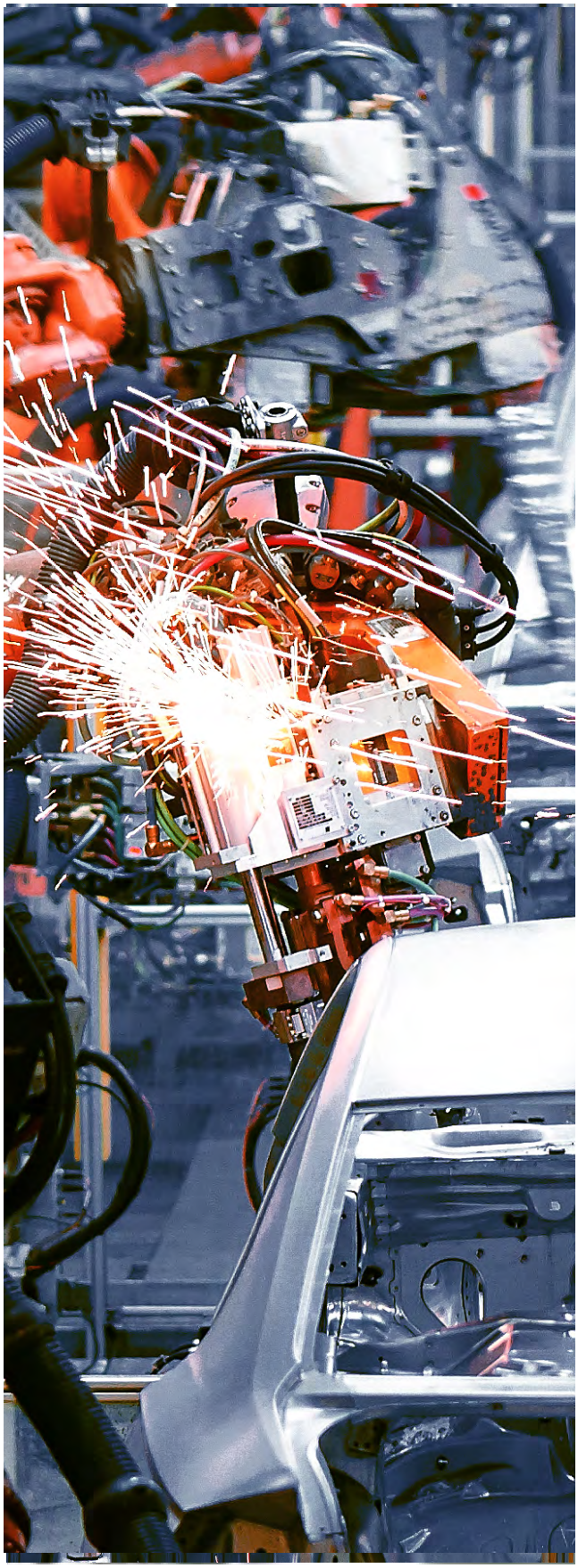
CASE STUDY

A Global Automobile Manufacturer in South Asia



Problem

- Press machine unable to perform at full load conditions
- Roller bearings exposed to higher than normal temperatures
- Imbalance in the machine due to / non-uniform temperatures, which increased as machine speed increased

Objective

To ascertain the root cause of inefficiency of the press machines and provide a suitable solution

Solution

- Installation of a vibration monitoring system to perform root cause analysis
- Vibration data for different dies, viz. good OTR/INR, fender L/R, door INR/OTR/RR etc) measured at 12 SPM.
- Root cause was found out and the necessary changes were made to the system.

Benefit

56% increase in production - from 450 cars per day to 700 cars per day