The Preventive Maintenance System For Confectionery Industry is the proposed computerized system particularly designed to develop existing functions for engineering department of Adams (Thailand) Ltd. At the present time, all functions such as collecting equipment information, relevant machinery/equipment preventive maintenance scheduling and recording, etc. are carried out on manual basis and taken care by a very limited group of personnel. With the existing system, it is obviously shown that it could not assure full the company of essential preventive maintenance program required for each item of machinery/equipment. The failures in doing so cause negative consequences such as unnecessary major parts replacement, imponderable major repairing, massive overtime in repairing, delayed production outturn, loss of income, etc.

The proposed system is then designed to improve the whole current system in order to cope with any possible functional failure problems by implementing the costs of structured analysis such as context diagram, dataflow diagram, data dictionary, etc. For detailed system design, it is work out through structure chart, file design, software design, screen design, and report design. The main components of this modernly designed system include process equipment information, process PM procedure information, manage PM schedule, manage work orders, process engineering staff information and produce reports. Major hard copy outputs are nameplate of each equipment, equipment list by area and system, equipment list running by equipment number, engineering staffs list sorted by name, engineering staffs list running by id, engineering staffs performance report, PM (preventive maintenance) schedule, work order report, review backlog (incomplete) report, backlog report, PM monthly report, PM history report, PM procedures of each equipment, and equipment manufacturers list.

Finally, the major outcome of this project is a computerized system to be applicable for Preventive Maintenance Program which can considerably help the personnel in charge to increase effectiveness and efficiency in their jobs achievement.