

## Circutor and the Chocolate Factory

### Implementation of Energy Management Systems at the Food Industry



► **Polykit**, **CIRCUTOR** distributor and **Expert in Power Studio Scada** for the Russian Federation, has developed a **Power Studio Scada** application in two Companies dedicated to the food industry with long tradition in Russia since 1804, located in the center of Moscow.

They are Babaevskiy sweet and candy factory, and Red October, chocolate manufacturer. There gradually has been implemented an Energy Management System consisting of **Power Studio Scada deluxe** software, **TCP2RS** converters, **Powernet**,

**CVM-NRG** and **CVM-k**, including another manufacturer's devices. These equipment have been installed in substations, main distribution panels and production lines. The first advantage of the system is the reduction in the energy bill around



# Powerstudio Deluxe

.circutor.com

SCADA

applications

5-6%, in addition the imputation of energy unit cost of each manufactured product. In addition the Energy Manager may survey the right execution in the manufacturing process: efficient rearrangement of power supply, punctual start and end of working shifts, detection and elimination of non useful energy used in the manufacturing process. In addition to that was detected one transformer substation with low power factor, and some lines were needing capacitor banks, thus were installed two real time detuned capacitor banks **FRE12** type, thiristor switching. In the report of energy was detected, revealed by unbalencement, some unregistered and irregular consumer connected to the factory network



Polykit, distributor of CIRCUTOR in Russian Federation and Expert in development of applications

Nowadays **Power Studio Scada deluxe** is fulfilling the necessities of the customer, the system is very reliable, good ratio quality / price, friendly use, robust, and regularly is being updated and extended with new products.▶

