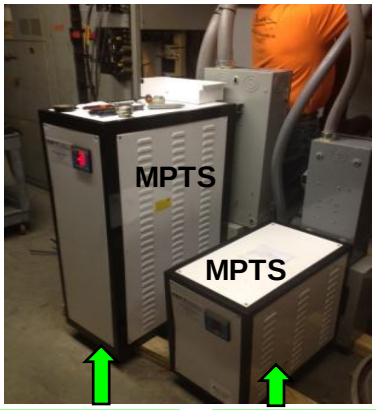
MPTS INSTALLATIONS

FOUNDRY

This case study is from February 2012. The 480 Volts, 3 Phase, 100 Amp (MPTS-100) and 200 Amp MPTS-200 units are installed in a Foundry application. More than 32 machines, such as forging units, drilling machining, grinding machines, and related equipment are connected. The data provided below shows the savings in Amps equal to 178/188 Amps minus 155 Amps. The power factor improved from 0.79/0.83 to 0.98. As you can see, the performance is monitored with several meters.



200 amperes
480 Volts / 3 phase

100 amperes
480 Volts / 3 phase

Connected Load on 200A Unit

Amperes **178 – 188 Amp**

Power Factor - **0.79-0.83**

Voltage - **480 to 483**

Frequency Hz - **60**



Readings with MPTS

Amperes - **155**

Power Factor - **0.98**

Voltage - **480.8**

Frequency Hz - **60**







MPTS 200		Without MPTS		With MPTS		Savings / Improvement
AMPS		188		155		33
Power Factor		0.79		0.98		24%
KVA		153		123		30
KVAH (KW=KVA, PF=1)		318,225		256,528		61,697