

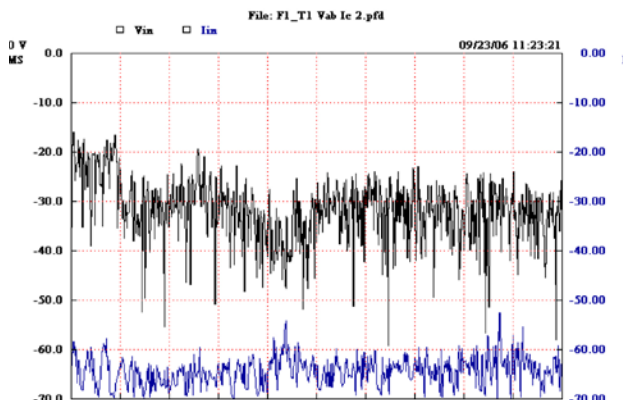


EP's Waveform Correction Technology Eliminates Crane Malfunctions

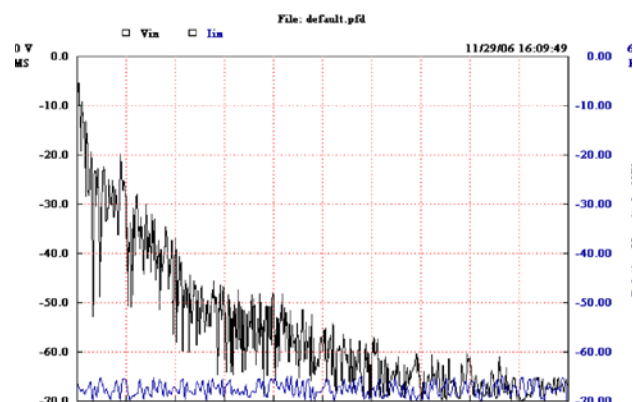
The Pohang location of POSCO, the world's third largest steel manufacturer, has produced enough pig iron to produce 250 million cars. This facility is home to several 25 ton cranes. The cranes were having several problems. The fuses would blow, the data was corrupted and the cranes would inexplicably stop working.

Cranes are vital to every part of the production process of steel. Cranes are responsible for pouring raw materials, transporting cooling steel and loading the finished product into trucks. A problem with the cranes effectively shuts down the production process.

Doyle Pacific Industries (Korea) Ltd, sales rep Jim Choi, performed a power quality analysis and concluded the facility was plagued with HF noise between 3kHz-1MHz. This level of noise can blow fuses, burn circuit boards and waste energy.



HF noise before installing EP



HF Noise after installing EP

Choi recommended installing an EP-2500 at the main panel feeding the crane and one EP-2000 at each of the five downstream panel responsible for moving the crane through the facility. The EP-2500 will isolate the crane from the rest of the electrical system while the EP-2000's will provide waveform correction at the point of equipment.

Environmental Potentials' waveform correction technology eliminates destructive noise in the range of 3kHz-1MHz. EP safely converts this harmful HF noise into heat within the EP unit. This means no energy is shunted to ground.

The results are clear! After installing EP's waveform correctors the crane has not blown any fuses, the data corruption has been eliminated and there are no more sudden stops.