Increasing the level of control and management of arc steel-smelting furnaces

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Laboratory setup diagram:

1 - personal computer; 2 - analog-to-digital converter; 3 - stand; 4 - tripod; 5 - chamotte crucible; 6 - thermocouple; 7 - graphite electrode; 8 - graphite crucible; 9 - melt (metal); 10 - current lead; 11 - electric holder; 12 - welding transformer
The dependence of the temperature parameters of the furnace from time
Thermal field furnace
The project of entering new parameters into the existing SCADA system