

FIRE ZONE CONTROL IN WASTE INCINERATION PLANTS USING FUZZY LOGIC APPLICATION IN INDUSTRIAL AUTOMATION

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ABSTRACT

In this paper, we explain recent application using fire zone control in waste incineration plants using fuzzy logic in industrial automation. This application used the so-called "fuzzyPLC", an innovative hardware platform that merges fuzzy logic and traditional automation techniques. Following a quick overview on the fuzzyPLC, we discuss the applications and focus on how fuzzy logic enabled a superior solution compared to conventional techniques. Whenever possible, we quantify the benefit in cost saving or quality improvement. For detailed information on the reviewed applications, the respective papers are referenced.

KEY WORDS: Fuzzyplc, Plks Hard Ware, Plc Soft Ware, Fire Zone Control.