

Real Time Operated Load Shedding Power Lines

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**PROJECT REPORT ON
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“REAL TIME OPERATED LOAD SHEDDING FOR POWER LINES”

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ABSTRACT

A central controller is operable to transmit load shed commands to a plurality of power loads should power consumption become excessive. An improved timer at the load site responds to a shed command to cause the load to be shed for a random time period between predetermined minimum and maximum time limits. Because the loads return to the system at random times, peak instantaneous demands on the power generating equipment are avoided.

“Automated” load shedding system is achieved through real time. However, these automated solutions lack system operating knowledge and are still best-guess methods which typically result in excessive or sufficient load shedding. A load shedding system can provide faster and optimal load relief by utilizing actual operating conditions and knowledge of past system disturbances. This paper presents the need for an realtime automated load shedding system.

INDEX TERMS — Load Shedding (LS)