TraMM

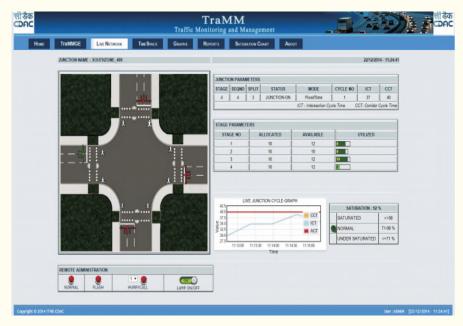
Traffic Signal Monitoring and Management Software



TraMM is a software tool to monitor and manage the traffic signal controller WiTraC remotely from the Command and Control Centre. TraMM has dedicated Human Machine Interface graphic software to configure, visualize real traffic patterns and control the traffic signals remotely. It provides option to monitor the data in different visual formats such as Trends, Charts, Reports and Remote Animation Screens. Dedicated User Management System is a part of TraMM which embeds application links for user to navigate the overall system. Centralized junction configuration tool of TraMM facilitates plan download and upload functionality to configure the junctions remotely. It receives the online junction pattern periodically from different junction controllers and the same will be distributed to associated modules for display and reporting.

SALIENT FEATURES

- User Friendly GUI
- User Management System
 - ♦ Application Management
 - ♦ Privilege Management
 - ♦ User Group Management
 - ♦ User Management
 - ♦ Administration
- Junction configuration
 - - Phases
 - Stages
 - Cycles
 - Day Plan
 - Week Plan
 - Season Plan
 - Special Plan
 - Hurry Call
 - Setup
 - Poles
 - Detectors
 - ♦ Corridor
 - ♦ DOS Limits
 - ♦ Database
 - ♦ Housekeeping
- Junction animation configuration
 - ♦ Component palette
 - Standard editing components
 - Traffic components
 - ♦ Actions
 - ♦ Canvas



Junction Animation

- ♦ Signal pattern display
- Stage timings details
 - Stage No
 - Allocated
 - Available
 - Utilized
- ♦ Online Graph
 - Intersection Utilized Cycle time
 - Intersection Allocated Cycle time
- ♦ Online Junction parameter Details
 - Mode of Operation
 - Running Cycle
 - Stage of execution
 - Intersection Utilized Cycle time
 - Corridor Cycle Time
- ♦ Remote administration Based
 - Flash
 - Auto
 - Hurry Call

- Visual effects
 - ♦ Intersection Based Cycle and Stage graph
 - ♦ Corridor based Cycle graph
- Time Space Diagram
- Reports
 - ♦ Corridor Report
 - Corridor Performance
 - Corridor Speed
 - - Switching Reports
 - Stage Switching
 - Cycle Switching
 - Mode Switching
 - Timing Report
 - Stage Timing
 - Cycle Timing
 - Synchronization
 - Event Reports
 - Power up and Down
 - Link Status
 - Re-Join Status
 - Intensity Change Time
 - Plan Change
 - RTC Failure
 - Time update
 - Battery Voltage
 - Mode Change
 - Lamp Failure
 - Loop Failure
 - Inter-green conflict
- Saturation Chart
- Distributed architecture

TOTAL APPLICATION MANAGEMENT DISTRIBUTION MANAGEMENT DISTRIBUTION APPLICATION MANAGEMENT DISTRIBUTION APPLICATION MANAGEMENT APPLICATION MANAGEMENT APPLICATION MANAGEMENT Application Management enables users to view all applications added to the project. It also allows users to add new applications details delete applications details APPLICATION MANAGEMENT APPLICATION MANAGEM



OPERATING PLATFORM

Linux

Web Server

DATABASE

Open source PostgreSQL

GUI BUILDING BLOCKS

- TraMM Graphic Editor
 - ♦ Background image
 - Standard drawing components
 - ♦ WiTraC Specific Components
 - Junction Object
 - Indicative Green
 - Filter Green
 - Pedestrian
 - Straight Traffic



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