WIFI RAIL

DEVICE APPS	→	MOBILE COMMUNICATION DEVICES	→	WAYSIDE NETWORK EQUIPMENT	→	FIBER OPTIC NETWORK SYSTEMS	→	CENTRALIZED DATA STORGE AND PROCESSING	→	DATABASE BASED APPS
SOFTWARE	→	*HARDWARE*	→	*HARDWARE*	→	*HARDWARE*	→	*HARDWARE*	→	*SOFTWARE*
ON-BOARD AND END USER DEVICE APPLICATIONS		*MOBILE VEHICLE CONNECTIVITY AND COMPUTING*		*WAYSIDE CONNECTIVITY*		*FIBER OPTIC CONNECTIVITY AND DISTRIBUTION*		*DATA CENTER SYSTEMS*		*CENTRALIZED APPLICATIONS*

MIP

HFT

HFO

CN

CN

CN

ON BOARD ANTENNA POWER, AND POE SWITCH KITS

SOFTWARE APPS FOR iPAD/iPod/PHONE RELATED TO MODEL SPECIFIC TRANSIT

BRIDGE TO WAYSIDE AND DATA LOGGING PLUS LIVE TELEMTRY W/OPTIONAL LIVE CCTV VIDEO AND ARCHIVAL

LOCAL WI-FI ACCESS FOR PATRONS FROM APs IN EACH CARRIAGE

HYBRID FIBER TERMINATION UNIT (HFT) PROVIDES POWER FROM DC CURRENT AND FIBER CONNECTIVITY TO MIP

WIFI RAIL MODULAR INTEGRATED POLE (MIP) POLES IN VARIOUS HEIGHTS, ENGINEERED TO WITHSTAND ALL HAZARDOUS ENVIRONMENTS INCLUDING HURRICANES AND EARTHQUAKES - ALSO HOUSES INTEGRATED COMMUNICATIONS PLATFORM

HYBRID FIBER ORIGINATION UNIT (HFO) DESIGNED TO POWER UP TO 8 REMOTE HFOs PROVIDES POWER AND GIG-E CAPABILITIES

CONSOLIDATION NODES (CNs) ARE CISCO BASED OPTICAL SWITCHES REPACKAGED WITH 10G + 2 10G LINKS TO CONNECT NODES AND HFOs BACK TO THE DATA CENTER

DATA CENTER CORE IS BASED ON A NUMBER OF HARDWARE PLATFORMS DEPENDING ON REQUIREMENTS AND CLIENT DESIRES

- CENTRALIZED WI-FI USER ACCESS
- ON-BOARD CCTV ARCHIVE
- TRAIN TELEMETRY AND WIRELESS NETWORK PERFORMANCE DATA
- LOCATION BASED INFORMATION BOTH ABOVE AND BELOW GROUND
- LIVE TV AND INFORMATION BROADCASTING
- INTER-JURISDICTIONAL RADIO INTEROPERABILTY
- SINGLE GLASS VIDEO VIEWING SYSTEM