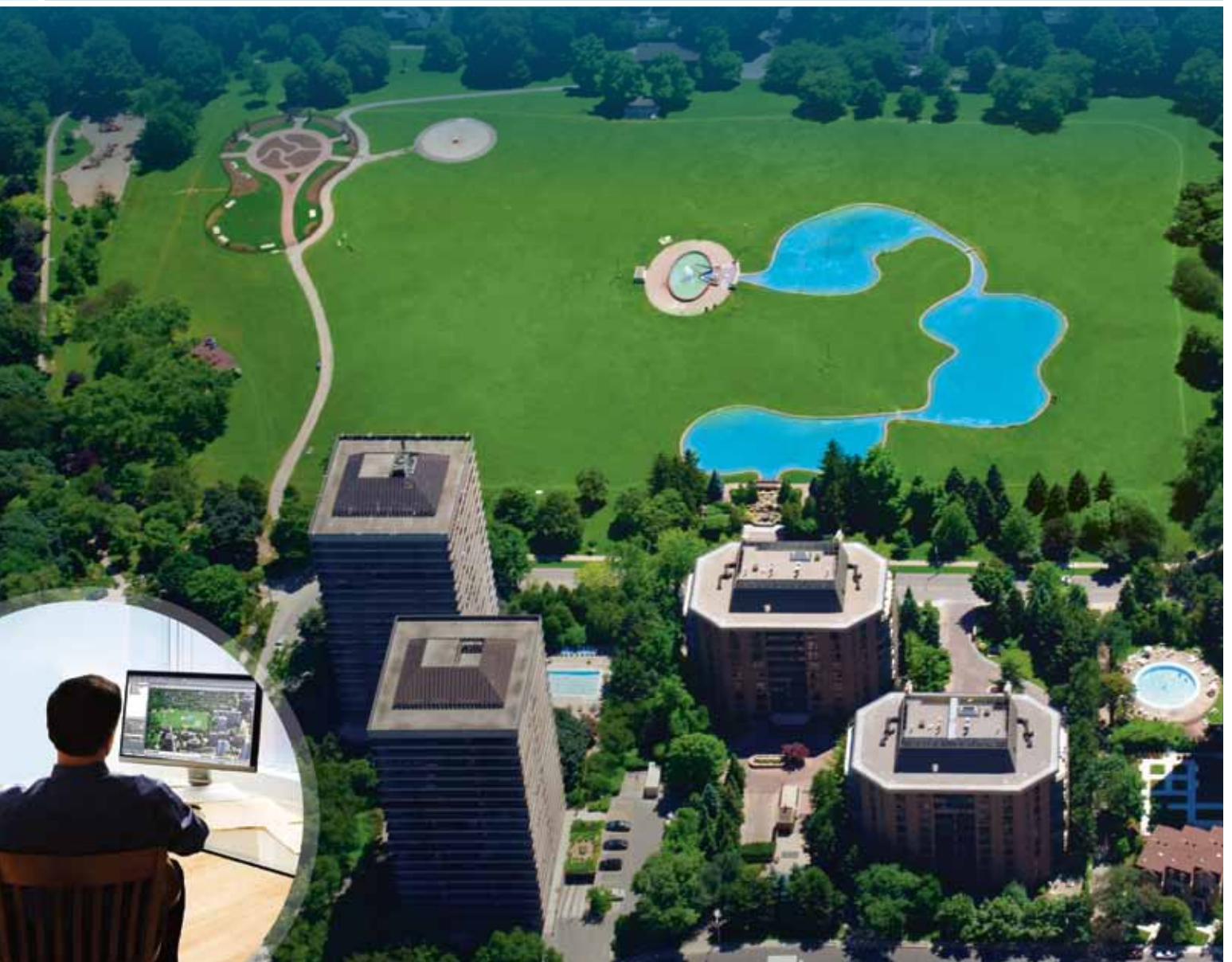


Hunter®

IMMS

Irrigation Management and Monitoring System

RESIDENTIAL & COMMERCIAL IRRIGATION
Built on Innovation



IMMS: SYSTEM-WIDE CONTROL, COMPLETE USABILITY

IMMS: CENTRAL CONTROL FOR WIDE-AREA SYSTEM MANAGEMENT

Hunter's Irrigation Management & Monitoring Software (IMMS) is a PC-based software package that makes central control of large-scale irrigation systems affordable, usable, and comprehensible.

IMMS software and hardware have been intensively developed and refined into a graphically based irrigation command and control program. With IMMS, interactive map graphics (to station level) put the irrigation system manager in complete visual control of wide-area watering operations. An optional ET software add-on provides complete weather-based irrigation with station level soil moisture modeling, using inexpensive local ET sensors. IMMS has a full range of communications options, including Ethernet, GPRS mobile, dial-up telephone, UHF radio, and hardwired cable. IMMS is a Windows-based application that is compatible with Windows XP, Vista, and Windows 7 and 8.

Maps

Add a visual dimension to central control with background map graphics.



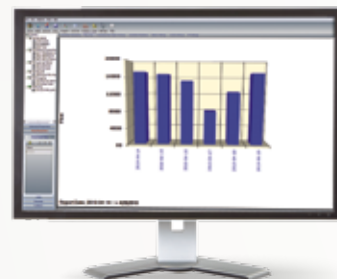
Programming

Station level symbols can be positioned over background images from any source.



Flow Monitoring

Track flow and other vital statistics in both charts and spreadsheets.



IMMS ADVANCED FEATURES

Maps

The IMMS graphics update includes the ability to create one or more map views for control purposes. You can see where all of your irrigated locations are, and click any for a more detailed view or control purposes.

Ideal for orienting new employees, IMMS Graphics also simplifies life for busy irrigators with large numbers of assets to control. Use any background image to show the system, site, or controller area, and create control zones and station symbols that link to their command functions. You supply the pictures, and IMMS includes all the tools you need to create an interactive map-based system.

Flow Monitoring

Track your water usage, and spot plumbing problems a mile away (or several hundred miles away). IMMS is built around the powerful ACC controller platform, which includes real-time flow monitoring.

With a flow meter and normally-closed master valves, the ACC detects incorrect flow conditions and moves swiftly to isolate the offending valves. Each flow violation is reported to the central software, after the controller has finished its own diagnostics.

Leaks, breaks, and flooding are minimized, and the irrigation manager is the first to know of any issues. IMMS also tracks total water usage by site, controller, program, and station. Keep detailed historical records, and go home each day with the peace of mind given by automatic flow monitoring.

Alarm Management

IMMS reports all alarms, including over-currents, flow violations, communication issues, and water window violations, with individual date- and time-stamped messages.

The IMMS operator knows the state of all irrigation controllers and valves at a glance, without driving around town to check individual sites. Printable reports can be exported to other formats or handed to work crews for investigation.

Programming

Each controller has its own complete setup and operations screens.

Eliminate the confusion and hassle of multiple field personnel setting up irrigation with dials and buttons. Shut off irrigation with a mouse click for emergencies. Access every function of controllers from simple spreadsheets or choosing from a menu of common functions and commands.

IMMS-ET (Evapotranspiration)

The optional IMMS-ET software add-on uses cost-effective local sensors, combined with your station database to create water-saving irrigation programs for your whole system, every day.

IMMS-ET models the moisture level in soil reservoirs (including compensation for natural rainfall) and schedules just enough irrigation to replace what your plants need. IMMS-ET can track climate history according to your own sensors and document how it has responded with irrigation adjustments.



Compatible Controllers & Sensors

- IMMS is optimized for the Hunter ACC controller and accessories (including decoder controllers).
- **HFS:** Hunter Flow Sync sensors for ACC controllers provide total flow reporting and flow alarm monitoring with diagnosis shutdowns in real time
- **Clik Sensors:** Each controller should have its own rain sensor for fast rain shutdowns. All Hunter Clik sensors are compatible with ACC.
- **ET Sensor:** ET Sensor platform is for use with IMMS-ET software. ET Sensor is added to selected ACC controllers, to report local conditions. This local ET data has no additional monthly charges and can be shared through the software to create schedules for other controllers in the same micro-climate. Add as many ET Sensors as needed to sample all micro-climates.

MIX & COMBINE COMMUNICATIONS TECHNOLOGIES: LOWEST COST, HIGHEST RELIABILITY COMMUNICATIONS

Hunter has designed IMMS central control to communicate as simply and reliably as possible, through a host of available technologies. Let our specialists fit a system to your needs and available infrastructure, to achieve total control at the lowest possible cost.

IMMS may be sub-divided into Sites, which are clusters of controllers within easy “talking distance” of one another. You can reach a distant Site with one form of communications, and then share that connection with other controllers in the area using different options. Low-cost, high performance ET, flow, and weather sensors share the controller network to add water savings and performance visibility to IMMS.

Full two-way communications with all controllers ensures reliable operation, rapid alarm notification, and complete reporting capabilities, wherever your irrigation is located.

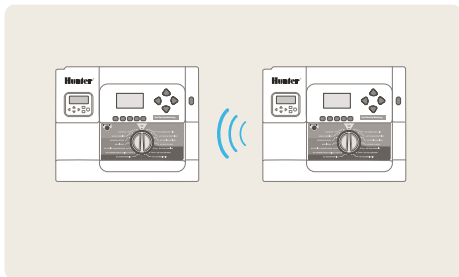
Computer-to-Site Options

- **Ethernet (LAN):** Use existing local area networks to fixed IP addresses with LAN modules
- **Cellular:** Connect anywhere within reach of a cell carrier via GPRS smartphone
- **Dial-up Telephone:** Use a traditional dial-up modem to call your controllers
- **Hardwired Cable:** Use special hardwired cable to connect nearby controllers directly
- **All the Above:** Each Site can use the communications option that fits the location best- IMMS will reach them all.

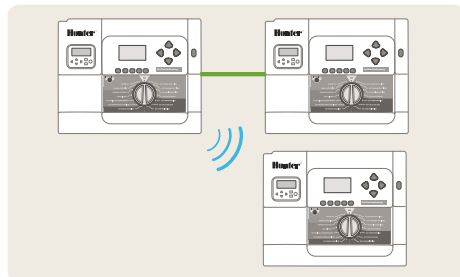
On-Site Options

- **Hardwired Cable:** Connect additional controllers with dedicated in-ground cable
- **UHF Radio:** Connect additional controllers with wireless data radio (license required)
- **All the Above:** Combine the Site communications with both hardwire and radio to reach both near and distant controllers

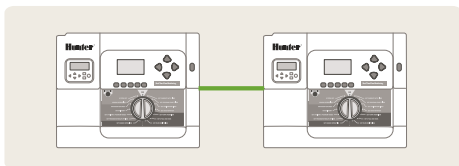
LOCAL AREA NETWORK



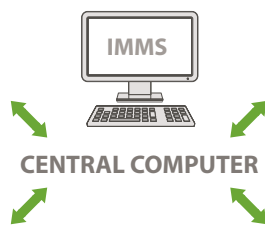
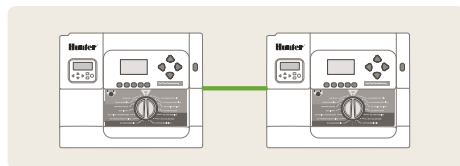
CELLULAR / RADIO & HARDWARE



DIAL-UP TELEPHONE



HARDWIRED CABLE



Learn more. Visit hunterindustries.com/imms or speak with a Hunter Central Control System specialist.

Website hunterindustries.com | Customer Support 760-744-5240 | Technical Service 760-591-7383

Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.

Richard E. Hunter
Richard E. Hunter, CEO of Hunter Industries

