wtc
WELDING TECHNOLOGY CORP

BODY SHOP INTEGRITY

RELIABILITY

WELD SPILL AVOIDANCE

- **WELD TRANSFORMER PROTECTION** (Flux Control)
- Weld Transformer **SECONDARY DIODE SHORT DETECTION**
- **TOOLING INTEGRITY -** Monitoring of Secondary Degradation
- **PROCESS INTEGRITY -** Confirmation of Consistency

- **NUGGET INTEGRITY** - Verification of Nugget Size
- **TIP DRESS VERIFICATION** - Confirmation of Dressed Electrodes
- **ADAPTIVE WELDING** - Automatic Compensation for Minor Disturbances

RESISTANCE CURVE

PRODUCTS

WT6000 MFDC RESISTANCE WELD CONTROLS

- **WT6000** Unipack for Steel Welding
- **WT6000** Unipak for Aluminum Welding
- **WT6000** Portable Gun Station for Steel Welding

- **WT6000** Portable Gun Station for Aluminum Welding
- **View-R** (Dedicated Compact Industrial Computer for Data Collection)

PI ENVELOPE

TECHNOLOGY

QUALITY TOOLS

- **SoftQ** - Monitoring of Tooling, Process and Nugget Integrity
- **RAFT™** - Adaptive Quality Algorithm
- **FORCE MONITORING** - Graphical Data of Force Profile
- **FORCE CONTROL** - Set a Forge Force Value and Send Signal to Execute to Robot
- **VOLT/SECONDS FIRING** - Switch from Constant Current to Volt/Secs Firing for Projection Welding

- **FAST RISE TIME** to Target Current - Achieve Target Current Faster
- **BALANCED FIRING** of Weld Transformer - Avoid Weld Transformer Saturation
- **GRAPHICAL REPRESENTATION** of Resistance, Current, Force and Energy (ms time base)
- **EXPULSION FREE REPORTING** - Minimize or Eliminate Expulsion

SOFTQ MONITORING

EXPULSION TRACKING

APPLICATIONS

WT6000 PROGRAMMABILITY

- **VARIOUS I/O CONFIGURATIONS -** Ethernet IP, ProfiNet, ProfiBus, Device Net, Discrete
- **MULTI-LANGUAGE:** English, French, German, Spanish, Portuguese, Chinese, Japanese, Korean, Turkish
- **ROBOTIC WELDING**
- **MANUAL WELDING**
- **FIXTURE WELDING**

- **SEAM WELDING**
- **PROJECTION WELDING**
- **GROUND FAULT MONITORING**
- **ANALOG I/O**
- **VARIOUS INVERTER SIZES**
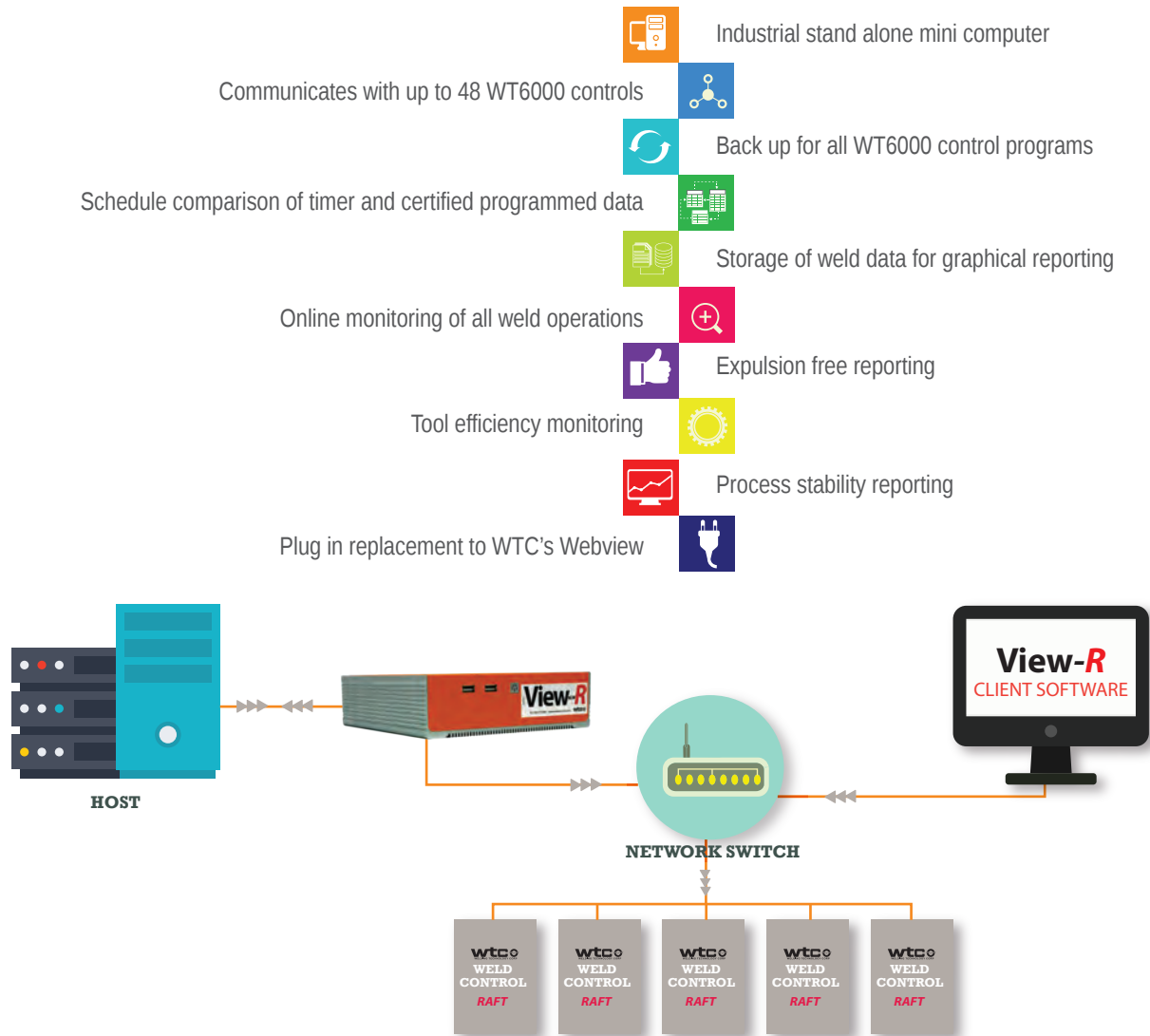- **PROGRAMMABLE OPERATING FREQUENCY** 400-2000hertz

CUSTOMER APPLICATIONS
wtc
TECHNOLOGY   PRODUCTS
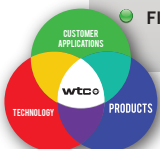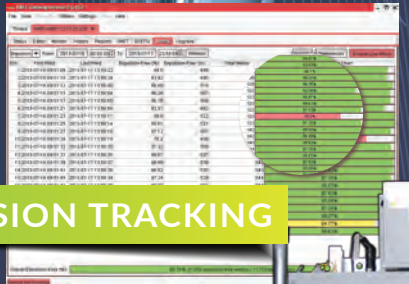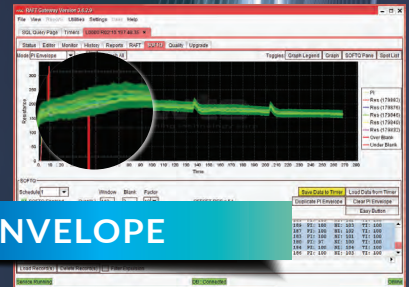
View-R

THINK INSIDE THE BOX

The View-*R* offers the manufacturing environment a powerful dedicated resource for data collection of resistance welding results of networked WT6000 controls. Its Ethernet connectivity allows the flow of data to the factory floor level and/or a higher network. Access to the View-*R* can be viewed via a laptop or networked computer.

Keep records of your process data to validate your resistance welding environment is at a stable and controlled level. Each weld of a networked WT6000 control is captured at millisecond increments so that it is available for further scrutiny in its graphical representation.

- Industrial stand alone mini computer
- Communicates with up to 48 WT6000 controls
- Back up for all WT6000 control programs
- Schedule comparison of timer and certified programmed data
- Storage of weld data for graphical reporting
- Online monitoring of all weld operations
- Expulsion free reporting
- Tool efficiency monitoring
- Process stability reporting
- Plug in replacement to WTC's Webview

HOST

View-R

NETWORK SWITCH

View-R
CLIENT SOFTWARE

wtc WELD CONTROL RAFT
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WTC KNOWLEDGE PORTAL – KEEPS YOU INFORMED & CONNECTED

WTC customers gain special access to our extensive knowledge resource with the latest product documentation, drawings, catalogs, how-to-videos and more.
Scan the code to get started ▶

ML-1017/V1.0