Tenore – WEB Solutions

- One size does not fit all!!!
- Different solutions are needed, depending on
  - Required level of access to plant operations
    - Only supervision
    - Supervision and Control
  - Number of users
  - Available bandwidth
    - Low speed, less than 64 Kbit/sec
    - Medium speed, less than 10 Mbit/sec
    - High speed, 10 Mbit and higher
  - Job functions of users
    - Technical personnel
    - Engineering personnel
    - Managers
Tenore Web Portal (TWP) - 1

Technology
- Based on a web server embedded in the Tenore server
- Web clients connect using http protocol
- Web clients use standard Internet Explorer (thin client)

Required platforms
- Web server
  - Windows 2000/XP/2003 Server
- Tenore Server
- Web client
  - Windows 2000/XP Professional
  - Internet Explorer 6

Number of users
- May support large number of users
Tenore Web Portal (TWP) - 2

- Level of access to plant operations
  - Supervision
  - Control possible but not recommended
- Required bandwidth
  - Suitable for all bandwidths
- Configuration
  - Dedicated HTML pages must be configured on the web server
  - ActiveX control distributed with installation kit for embedding of:
    - Graphical displays
    - Trends
- Type of users
  - Suitable for all users
Tenore Remote Portal (TRP) - 1

- **Technology**
  - Based on Windows Terminal Server Web
  - Remote clients connect using http protocol
  - Remote clients use standard Internet Explorer (thin client)
  - Client CPU load is on the server

- **Required platforms**
  - **Server**
    - Windows 2000/XP/2003 Server
    - Tenore Server
  - **Remote Client**
    - Windows 2000/XP Professional
    - Internet Explorer 6

INTERNET or Private Wan

TRP Server
Tenore Remote Portal (TRP) - 2

- Number of users
  - Limited by client load on server
  - Up to 30
- Level of access to plant operations
  - Complete, as in local client
  - Subject to security clearance (based on user ID and password)
- Required bandwidth
  - At least 64 Kbit/sec
- Configuration
  - No special page configuration required
  - All pages created for local clients can be used in remote
- Type of users
  - Technical users, familiar with Tenore client look & feel
## Which one should I use?

<table>
<thead>
<tr>
<th>Level of Plant Access</th>
<th>Type of users</th>
<th>Number of users</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Less than 30</td>
<td>More than 30</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bandwidth</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Low</td>
<td>High</td>
<td></td>
</tr>
<tr>
<td>Full</td>
<td>Technical</td>
<td></td>
<td>TRP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervisory</td>
<td>Technical</td>
<td>TWP</td>
<td>TRP</td>
<td>TWP</td>
</tr>
<tr>
<td></td>
<td>Manager</td>
<td>TWP</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend:**
- TWP – Tenore Web Portal
- TRP – Tenore Remote Portal