Introduction to E21 Analytics
What is E21 Analytics

E21 Analytics is a new tool provided to all TGI customers as a means of analyzing your company data, allowing managers to combine existing decision making processes with in-depth data analysis, allowing you to make the most informed business decisions possible.

Use E21 Analytics to quickly and easily view trends & key performance indicators, alert you to issues, use resources more effectively, and make informed business decisions which hopefully will increase your bottom line.
What is E21 Analytics

A new proprietary product for internal customer use.

- Accessible directly from E21, via local intranet, or over the web.
- Device independent (PC, Mac, Mobile, Tablet, etc.)
What is E21 Analytics

• E21 Analytics is delivered with a pre-built set of datasets, charts, gauges, pivot grids & dashboards for each module within E21 (Sales, Inventory, AR, etc.)

• Fully customizable. Both the UI and back-end can be used as delivered or built out to spec.

• System can be maintained via system administrators, advanced users, or through the TGI “Data Team.”

• Can be set up to only run internally (local URL or E21). Does NOT need to be made available via internet.
What is E21 Analytics

Can be customized for each user

• User specific “home” dashboards
• Application, module & widget level security
• “View only” mode (Administrative rights)
E21 Analytics – First Look

E21 Analytics currently allows 4 ways to view data:
1. Chart & Graph Widgets

![Graph showing Sales, COGS, Gross Profit, and Sales Over Time]
E21 Analytics – First Look

E21 Analytics currently allows 4 ways to view data:
2. Pivot Grid Widgets

![Pivot Grid Widgets](image-url)
E21 Analytics – First Look

E21 Analytics currently allows 4 ways to view data:
3. KPI Gauge Widgets
E21 Analytics – First Look

E21 Analytics currently allows 4 ways to view data:
4. User defined dashboards
E21 Analytics – First Look

E21 Analytics is organized by module (user defined), and each module will have its own Dashboards, Pivot Grids, Charts, & Gauges sub-menus.

<table>
<thead>
<tr>
<th>Dashboard</th>
<th>Sales</th>
<th>Inventory</th>
<th>Payables</th>
<th>Receivables</th>
<th>Manufacturing</th>
<th>Help De</th>
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<td>Pivot Grids</td>
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<td>Charts</td>
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<td>Gauges</td>
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E21 Analytics – First Look

Under each of these sub-menus are module-specific, user defined options.
If the user has admin permissions, there will also be a “Builder” for defining new widgets.
E21 Analytics – First Look

Dashboards can contain ANY widget within its module. IE, “Sales” dashboards can contain any charts, gauges or pivot grids defined within the “Sales” module.

Only the “Home” Dashboard can contain widgets created from any E21 Analytics module.
E21 Analytics – First Look

If the user has admin permissions, each page will contain links in the upper right corner allowing users to copy, edit, or delete the current widget.
E21 Analytics – First Look

Security is defined by user or group at the module or widget level (red), and universally throughout the system via the users admin flag (blue).
# E21 Analytics – Sample Features

## Charts & Graphs

<table>
<thead>
<tr>
<th>Chart Types</th>
<th>Setup Features</th>
<th>Appearance Features</th>
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</thead>
<tbody>
<tr>
<td>Area</td>
<td>Changing Data Tables</td>
<td>2D, 3D</td>
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<tr>
<td>Bar</td>
<td>X-Axis, Series, Measures</td>
<td>Stacking</td>
</tr>
<tr>
<td>Doughnut</td>
<td>Date &amp; Field Filters</td>
<td>Label &amp; Title Formats</td>
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<tr>
<td>Funnel</td>
<td>Sort Options</td>
<td>Label Point Settings</td>
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<tr>
<td>Line</td>
<td>Top N Options</td>
<td>Legend Settings</td>
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<tr>
<td>Pie</td>
<td>Drill Links</td>
<td>Scale Breaks</td>
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<tr>
<td>Point</td>
<td>User Filters</td>
<td>Palettes &amp; Transparency</td>
</tr>
</tbody>
</table>

### Tools Menu Options: SQL View & Export Options
E21 Analytics – Sample Pie Chart

Charts & Graphs
Demo: 3D Pie (Sales Breakdown by State)

Display Settings: e21asalesv; Pie; 3Yr; XAxis=Years; Series=State; Measure=Sales; Invert; Sort=ValueDesc
Appearance Settings: 3D; TwoColumns; Hide Legend; LabelFormat=[Xaxis]:[Value]; Exploded Max
E21 Analytics – Sample Bar Chart

Charts & Graphs
Demo: Bar Chart, Top N, Sorted, Scale Breaks (AR By Cust)

Display Settings: e21aarv; XAxis=Billto; Series=None; Measure=Total AR($); Sort=ValueDesc; TopN=20
Appearance Settings: LegendPos=TopRightInside; Appearance=PastelKit; Palette=TheMixed
E21 Analytics – Sample Funnel Chart

Charts & Graphs

Demo: 3D Funnel (AR Past Due Aging Buckets)

Display Settings: e21aarv; Funnel; 3Yr; XAxis=none; Series=Measures; Measures=Aging Bucket Values; Invert

Appearance Settings: 3D; Hide Legend; LabelFormat=[Xaxis]:[Value]
E21 Analytics – Sample Area Chart

Charts & Graphs
Demo: Area Stacked (Sales: COGS + Gross Profit)

Display Settings: e21asalesv; 3Yr; XAxis=TimelineMo; Series=Measures; Measure=COGS, GP ($)
Appearance Settings: Stacked; Appearance=NorthernLights; Palette=Concourse
E21 Analytics – Sample Custom Filter

Charts & Graphs
Demo: Custom Filters & User Filters

Display Settings: e21asalesv; 3Yr; XAxis=State; Series=None; Measure=Sales ($); Sort=ValueDesc
Appearance Settings: 3D; [Xaxis]:[Value]; Default Overlap
E21 Analytics – Sample Features

Pivot Grids

Pivot Grid Features
• Drag & Drop
• Hierarchies
• Sorting
• Filtering
• Hiding Fields
• Field List Popup
• Using User Widgets

Setup Features
• Changing Data Tables
• Item Display Options
• Date Filters
• Drill Links
• Toolbar Options
• Totals & Grand Totals
• Field List Popup

Tools Menu Options: SQL View & Export Options

• Top N
• Summary Fields
• Running Totals
• Rank Columns
• Column %’s
• Column Variance
• Adding User Widgets
E21 Analytics – Sample Pivot Grid

Pivot Grids
Demo: Basic Features (Sales By Product Group)

• Drag & Drop
• Toolbars
• Hierarchies
• Sorting

<table>
<thead>
<tr>
<th>Sales ($)</th>
<th>Years</th>
<th>Qtrs</th>
<th>Months</th>
<th>2010</th>
<th>2011</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Groups</td>
<td>Products</td>
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<tr>
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<td>FOOD PRODUCTS</td>
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<td>Grand Total</td>
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<td>2010</td>
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</table>
E21 Analytics – Sample Pivot Grid

Pivot Grids
Demo: Additional Features (Monthly Sales Comparison)

- Field List
- Dimension Filters
- Rankings, %’s, Variation
- Top N

<table>
<thead>
<tr>
<th>Products</th>
<th>Product Groups</th>
<th>Product Sub-Groups</th>
<th>Customer Groups</th>
<th>Customer Sub-Groups</th>
<th>States</th>
<th>Sales Reps</th>
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<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
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<td>$99,443</td>
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<td>$20,520</td>
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<td>$31,117</td>
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<td>$31,117</td>
<td>$328</td>
<td>$1,283</td>
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# E21 Analytics – Sample Pivot Grid

## Pivot Grids

### Demo: User Widgets (Monthly Sales Comparison)

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<td>Years</td>
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<td>Sales ($)</td>
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<td>20,076</td>
<td>79,765</td>
<td>203,858</td>
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<td>54,200</td>
<td>32,843</td>
<td>131,832</td>
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<td>64,217</td>
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</table>
E21 Analytics – Gauge Features

Gauges

Setup Features
• Changing Data Tables
• KPI Fields
• Date & Field Filters
• Aggregates
• Multipliers
• User Filters

Appearance Features
• Gauge Types
• Gauge Appearance
• Min & Max Values
• Tick Marks
• Green, Yellow, Red

Tools Menu Options: SQL View & Export Options
E21 Analytics – Sample Gauges

Gauges
Demo: Full Round / Half Round (Gross Profit Margin)
E21 Analytics – Dashboard Features

Dashboards

- Docking Panels (Drag & Drop)
- Custom Layout & Widget Settings
- “Click To Drill”
Introduction to E21Analytics

Additional information:

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