**nLogic** brings expertise with natural and man-made radiation effects modeling. Our physics-based modeling tool includes radiation effects on communication systems. Includes capability for message received with errors, message delayed, and blackout conditions.

**Communication System Radiation Effects**

<table>
<thead>
<tr>
<th>Scenario File</th>
<th>Radiation Environment Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiation Event Parameter File</td>
<td>Propagation Model</td>
</tr>
<tr>
<td></td>
<td>Message Corruption Model</td>
</tr>
<tr>
<td></td>
<td>Output Class Generator</td>
</tr>
</tbody>
</table>

**ComGen Program (Offline)**

| Output Class File |

**ComGen Program (Real Time)**

**Capabilities:**

- **Off-Line Modeling**
  - Includes Industry Standard Models (SCENARIO, COMLINK, ...)
  - Inputs Flight Scenarios & Radiation Event Parameters
  - Outputs Files Describing Visible/Infrared Scenes

- **Real-Time Modeling**
  - Inputs & Outputs from Off-Line Component
  - Integrated with User-Supplied Real-Time Flight Simulation

**Contact Information**

Tim Thornton, CEO/President  
tim.thornton@nlogic.com

Joe Paschall, Vice President  
joe.paschall@nlogic.com

nLogic, LLC | 4901 Corporate Drive, Suite H | Huntsville, AL | 35805  
Phone: 256-704-2525 | Fax: 256-704-2540