IT in CIVA

• NHB, Ringo Massa, Bernie Drummer, Nils Jonsson, Peter Rounce, Vladimir Machula

• IT framework assessment in progress....

• Project development
  – OpenAero, Wind measurement, Contest Info

• Verification & Validation of systems used
  – HMD, Online Scoring

November 2, 2015
Projects

• OpenAero – Ringo Massa
Projects - Wind Measurement

- Wind measurement by drone
  - WindMaster 3000
  - Used at
    - YAK52 & INT – Mossel Bay, RSA
    - WGAC & WAGAC – Zbraslavice, CZE
    - WAC – Chateauroux, FRA
  - Development in process
    - Legal issues
    - Automation of the process
    - Simplification of construction
  - Available next year operated by dev. team
Projects – Wind Measurement

- 500m wind – 3-4 minutes
- 1200m alt. – 5-7 minutes
- Measurement available every 15 - 30 minutes
- Precision of 0.3 m/s and 2 deg. in direction

November 2, 2015
## Projects – Contest Info

- Real-time information – wind, RWY, judges...
- SMS, e-mail, web and social media message distribution
- Web based - responsive
- Test at [http://info.acro-online.com/](http://info.acro-online.com/)
- Development in progress
  - to improve SMS system
  - observation history charts
  - make it available to all organizers

### Latest Messages

<table>
<thead>
<tr>
<th>Message</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Ceremony beginning postponed to 1900 due to technical matters. Thank you for understanding.</td>
<td>15-09-2015 05:32</td>
</tr>
<tr>
<td>Closing ceremony beginning postponed to 1845. Technical matters. Thanks for understanding.</td>
<td>15-09-2015 05:34</td>
</tr>
<tr>
<td>Provisional results are now published for UNL PS. Protest time until 1345LT.</td>
<td>15-09-2015 12:10</td>
</tr>
<tr>
<td>Presentation of Polish tracking system at white tent starting at 1200. Everyone invited.</td>
<td>15-09-2015 11:41</td>
</tr>
<tr>
<td>Flying for today is canceled due to wind over limits and thermal turbulence. Briefing tomorrow at 0700LT and then finish of UNL U2.</td>
<td>15-09-2015 12:17</td>
</tr>
</tbody>
</table>

### Basic Info

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind</td>
<td>33°</td>
</tr>
<tr>
<td>Direction</td>
<td>36°/144°</td>
</tr>
<tr>
<td>Official Wind (deg/sec)</td>
<td>324°</td>
</tr>
</tbody>
</table>

### Cloud Information

<table>
<thead>
<tr>
<th>Altitude</th>
<th>Location</th>
<th>Updated</th>
<th>Wind</th>
</tr>
</thead>
<tbody>
<tr>
<td>9999:99:99</td>
<td>Location1</td>
<td>15-08-2015 12:36</td>
<td>33°/144°</td>
</tr>
</tbody>
</table>

November 2, 2015
Projects – Other projects

- Internet connection at the contest site
  - Technical and organizational support of Championships organizers to properly plan and deploy networks for Internet access (WiFi).

- Document management systems – in cooperation with FAI – ownCloud platform

- Technical support and run of civa-news.com website

- Solution and risk assessment of loosing scoresheets (RSA proposal #2016-10).

- Support of ACRO and civa-results.com development

- Electronization of scoring

November 2, 2015
THANK YOU FOR ATTENTION AND SUPPORT