SMART SURVEYORS FOR LAND AND WATER MANAGEMENT

CHALLENGES IN A NEW REALITY

eWORKING WEEK 2021

20-25 JUNE

Luis Elneser
Position Partners, Australia

GNSS Augmentation Services Marketplace

Session 5.4 GNSS Augmentation Services - Tuesday 22 June 10:30-12:00 CET
SMART SURVEYORS FOR LAND AND WATER MANAGEMENT
CHALLENGES IN A NEW REALITY

Established
- atlas
- TERRASTAR
- Topnet Live
- Trimble
- secorx-s

Government
- Federal Agency for Cartography and Geodesy
- NLS Technical Authority of Finland
- Australian Government Geoscience Australia

LEO PNT
- Satelles
- Xona

Custom
- teria
- All Day RTK
- MiRTK
- geoflex
- Navcast
- magic

Agriculture
- CASE
- RAVEN

Automotive
- SAPCORDA
- Swift
- Here
- Verizon

Telecom
- SoftBank
- docomo
- T Mobile
- Ericsson

1995

2021
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Requirements

<table>
<thead>
<tr>
<th>Applications</th>
<th>Catastrophic &amp; Construction</th>
<th>Infrastructure Monitoring</th>
<th>Mine surveying</th>
<th>Mapping and GIS</th>
<th>Marine surveying</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key GNSS requirements</td>
<td>Accuracy, Integrity, Continuity, Time, Availability</td>
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<td>Other requirements</td>
<td>Connectivity, Interoperability</td>
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Geospatial/Survey
Accuracy mm-cm
Availability
Continuity
TTFaF
Connectivity