Covering Intellectual Property Needs Across The Innovation Lifecycle

AGH University of Science & Technology
Kraków, Poland
Training Schedule

✓ Patent Searching
✓ Workfiles
✓ Orbit Express
✓ Analysis
• A patent database covering more than 100 authorities including 23 in Fulltext
• A temporal coverage dating back to the 19th century for some offices
• Records grouped in families with bibliography, full text and legal status
• An advanced search tool
• Analytics capacity and productivity tool
• A sharing platform (Workfile Module)

Coverage details are available on our website [Questel.com](http://Questel.com)
Patent Search

Intellectual Property
Business Intelligence

WHAT

1. Orbit Intelligence Database
2. Orbit Settings
3. Search Tools
4. Review Tools
5. Saving Results
1. Orbit Intelligence Databases

- Three collections: Fampat
  Fullpat
  Fulltext

- Comparison of collections

- Selection of collection
Data Grouping

- **FamPat**: 1 record per patent invention (family grouping)
- **FullPat**: 1 record per patent
- **FullText**: 1 record per patent publication
Database Construction

6 FullText publications
Positionally modified siRNA constructs

- WO2005120230 A2 application
- EP1765074 A1 application
- US2008146788 A1 application
- WO2005120230 A3 revision
- EP1765074 A3 search report
- US8394947 B2 grant
- EP1765074 B1 grant

3 FullPat records
Positionally modified siRNA constructs

- WO2005120230 A2 application
- EP1765074 A1 application
- US2008146788 A1 application
- WO2005120230 A3 revision
- EP1765074 A3 search report
- US8394947 B2 grant
- EP1765074 B1 grant

Single FamPat record
Positionally modified siRNA constructs

- WO2005120230 A2 application
- EP1765074 A1 application
- US2008146788 A1 application
- WO2005120230 A3 revision
- EP1765074 A3 search report
- US8394947 B2 grant
- EP1765074 B1 grant
Fampat Family: definition

4 strict families

- Doc D1 Priority P1  Family P1
- Doc D2 Priority P1 Priority P2  Family P1-P2
- Doc D3 Priority P1 Priority P2  Family P1-P2
- Doc D4 Priority P2 Priority P3  Family P2-P3
- Doc D5 Priority P3  Family P3

Silence Generation

Strict family +

- Japanese « brothers »
- Linking EP/PCT and National phase equivalents
- Matching US provisional applications to relevant US published Application
- No duplication

1 extended family

- Doc D1 Priority P1
- Doc D2 Priority P1 Priority P2
- Doc D3 Priority P1 Priority P2
- Doc D4 Priority P2 Priority P3
- Doc D5 Priority P3

Family D1-D2-D3-D4-D5

Noise Generation

(D1 and D5 do not share any priority)
• Fampat families based on their priority numbers are bound to the concept of invention.
• The count of families in a company’s portfolio is a better indicator of the inventivity of the applicant than the total number of published patents.
• Weekly update
• Composite database:

- FAMPAT collection
- Composite database:
  - **Bibliographic Patent Data:** 40 countries
  - **Patent Copies:** 40 countries
  - **Full Text Data:** 23 countries
  - **Legal Status Information:** 40 countries
  - **Citations:** 20+ countries
  - **US Reassignment Information**
  - **Litigation Data (US, DE, FR and CN)**
Data Grouping Option

Fampat ☨ Fullpat
By default, the only collection available is **FamPat**. This is the collection that brings together families of invention patents.

For the display, from **Orbit.com** then **User settings** and : choose the option YES then Confirm.

3 collections will now be available in the advanced search:

Features exclusive for Fampat
- WorkFiles
- Evaluation modules
Search Tools

- Research methodology: simple case study
- Keywords, classifications, numbers, etc...
- Truncations & Operators
- Similarity / refining search
- Semantic searching
Which type of search?

**Simple Research**: N°, keywords, names .... Automatic selection of the search fields

**Advanced Research**: crossing of multiple search criteria

**Assignee research**: dedicated to assignees

**Number search**: dedicated to numbers

**Semantic search**: use of a text to find similar patents, extraction of concepts and similarity

**Orbit Express**: https://m.orbit.com
- **Search Language**: English (+ other languages if needed, including non-Latin characters)

- **Operators Language**: English for all interfaces except the French interface

- Six input lines articulated by one AND

- Use the truncation and operators

- **Multilingual Dictionary**: synonyms and translation in English, German and French

- **Tree of the relevant concepts**: semantic content of the patent, patent language. Edit fields and add truncations and operations

Adjust the search fields on the basis of the location in which your words must be found
- **Technology Domaines**: 35 areas defined by Questel and derivatives of the IPC

- **IPC**: international classification, majority of offices covered

- **CPC**: European classification, combined with US

- **IPC/CPC**: a part of the tree is common

- 5 input lines, articulated with an OR or an AND

- Use of truncation # and +

- Identification of the main classes of a selection of families with the function (p.15)
Advanced search

Assignee

- Default: research on the owner
- **Corporate Tree**: retrieves the main subsidiaries of a company and go back to the parent company, increase the completeness of research.
- Selection of applicants one by one

Possibility to select all affiliations using the search by dedicated assignee
Advanced search

Numbers

- With allows to find publication numbers and search them in the proper format (up to 100). Automatic reformatting

- Uses also copy/paste of text containing publication numbers

- Function to import some N° from an xls file (issuance of an import report)

Search more than 100 N°

Search by dedicated number

- Allows to find hundreds of numbers.

- Use the function « Detect » to reset in Questel format
Advanced search

Dates

- Allows to filter by date (publication, application or priority)
- A date among all of the dates of the family

Need to search the 1st date?
- Other fields: 1st date of Application, publication or priority
Results Display

Customization

- Customize display view
- Display the Preview tab to customize
- Selection the tabs to display
- Automatic sorting of results by relevance
- Representative member (from user settings)
- Tab KWIC (Key Word In Context): to display the distribution in the family of terms searched on the basis of the search fields.

- Highlighting: navigate through the tabs, possibility of adding highlighted words, ability to save the highlight.
- **Filter**: three options by default, possibility to add others, allows to filter the result of a search.

- **View document**: allows clicking on the title to view a particular family and focus on claims of a member, for example.

- **Back to list**: allows to view again the result list.
Selection

**Selection button:**

- Click all records button to select the entire families

- Check box at the top of the results list selects the current page

- Number of selected families indicated
Selection of one or several families (up to 10,000)

- 1st option: to find similar patents in all database
- 2nd option: to find similar patents only in the results of the selection list
- List organized by relevance: relevance score display
- Using the KWIC tab to determine similar values of each families
- Used to define new keywords, new classes…
- Cross with other questions to refine
- **Selection** of one or several families (up to 10 000)

  Allows to find the cited families (prior art) /cited (applications) on the basis of the categories of relevance (examiners and applicants)

  **Citations Tab:** display of citations (citing, cited) examiners and applicants, literature cited for a family. Possibility to display this information graphically by clicking on
**Research Tools**

**TOP**

**Sampling on a selection of families:** to identify the top classes, top assignees and key concepts.

- Link to the definition of the classes
- Ability to select and return to the advanced search page to refine or extend the previous research.
5. Saving Results

**Save families (results):**
Export, PDF or Workfile or list

**Save search query:**
Search saved or alert or export of history
**Selection** of one or several families (max. 20 000)

- More formats

- Choose export data

- Download or email (23 email addresses max)

- For recipients of the emails, it is not necessary to have an Orbit logon to access the exported documents.

- Ability to save the **export profile**
Save

Save search

- From the search history or the results list: ability to save search script

  ![Save]

  ![Save entire strategy]

- Script executed **manually**

- No limit on saved searches

- Stored in ![My searches]
  
  [My saved searches]
- From search history: possibility of exporting the history

- The queries can then be copied/pasted into the command line to be sought again.
Save

Workfiles

Directory
Can contain subdirectories or workfiles

Workfiles
Can contain patent families or designs
Static, except manual updates or alert feeds

Lists
Can contain patent families or publications
Lists are not static

Sharing directories
Sharing is only done at the level of directories

Inbox can’t be shared
✓ **Organise**: archive patent families & designs
✓ **Update**: update static data in workfiles
✓ **Evaluate**: additions of stars, notes, attachments & personal fields
✓ **Collaborate**: creation of group readers & sharing directories
✓ **Analyse**: run analysis from workfile
✓ **Synchronise**: use workfile data with Orbit Express & Orbit Intellixir
You can create a workfile from the workfile module or hitlist
You can add records to your workfile, list or directory using either one of:
- Hitlist results (search)
- Duplicating Lists
- Alerts with results delivery in workfiles
- Number import
Save

Workfiles

Feed by List/Search

- Feed from an existing folder or create a new folder
- Workfile accessible from Explorer
- Selection of the directory if not Inbox by default
Feed by an Alert

- Only one directory can be selected.
- The Workfile will be created during the 1st run of the alert, the folder will be the name of the alert.
- An alert cannot be sent in an existing workfile but to a directory.
- Update of the families in a Workfile if monitoring code EU or QW.

Save Workfiles
Save

Workfiles

Feed by N° import

• From Workfile module
• Select a Workfile
• Email address and password are the identifiers for readers to access to the interface Workfiles and to share documents
• Associate a reader with a directory
Appraise

Stars

- Allocation of the same number of stars to selected families
- From 0 to 5 stars
- Star(s) assigned to a family
- Last distribution of stars is displayed

The stars are exportable & filterable
Appraise

Notes

- Note(s) assigned to a family
- Possibility to modify and/or delete

The notes are exportable & filterable
Appraise

Attachments

Attachments are searchable
Appraise

User fields: creation

User fields are exportable, filterable and searchable
Appraise

User fields: allocation

OR

<table>
<thead>
<tr>
<th>#</th>
<th>Title</th>
<th>Publication number</th>
<th>1st App. date</th>
<th>Applicant/Assignee</th>
<th>Archive date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Naringin and naringen as preventive or treating agent for hepatic diseases</td>
<td>EP1032381</td>
<td>1998-03-28</td>
<td>KOREA INSTIT.</td>
<td>2016-07-11</td>
</tr>
<tr>
<td>2</td>
<td>Oxazolo[5,4-c]quinolin-2-one compounds as bromodomain inhibitors</td>
<td>CA2904364</td>
<td>2014-03-13</td>
<td>EPIDERMICS, ...</td>
<td>2016-07-11</td>
</tr>
<tr>
<td>3</td>
<td>Novel substituted bicyclic compounds as bromodomain inhibitors</td>
<td>CA2915022</td>
<td>2014-06-20</td>
<td>ZENITH EPIDERM.</td>
<td>2016-07-11</td>
</tr>
<tr>
<td>4</td>
<td>Substituted pheno-2,3-benzodiazepines</td>
<td>CA2915419</td>
<td>2014-06-17</td>
<td>BAYER HEALTH.</td>
<td>2016-07-11</td>
</tr>
<tr>
<td>5</td>
<td>Quinazoline derivative</td>
<td>WO200511593</td>
<td>2005-05-30</td>
<td>BANYU PHARM.</td>
<td>2016-07-11</td>
</tr>
</tbody>
</table>

User fields:
- Deadline for review: 2017-08-31
- Level of priority: ...
- Review teams: ...
- Responsible group: ...
- Review Notes: ...
Analysis

Filter

• Filter a folder or directory
• Filter is not deleted when viewing another folder

Filter Active when orange
Analysis

Search

• Selecting a folder, a directory or the entire portfolio
• Different types of data usable for search.
• Blocked items and recycle bin are not searchable
The analysis module is available after a selection of families.
Only saved analysis
All graphs are available + graphs related to the analysis of the user fields
- Update of selected families
- Update the contents of the families: new members, new information etc...
- Tag “updated” is present on the family for a week
Exploit

Block

• Blocking updates (manual or via an alert) for a selection of either a workfile or all workfiles
• Families are sent to “Blocked items”.
• Possibility to restore
- Related to the search module
- Allows to save the results of one or more searches.

- No limit on number of lists
- **Automatic update** of families when the list is opened
- **Ability to cross the contents** of a list with another question

Lists should not be confused with workfiles. Directories are the only ones that can be shared and evaluated. Workfiles are linked to the folders module.
✓ Convenience
✓ Consistency
✓ Accuracy
✓ Time saving
✓ Reliability
✓ Collaboration
- **From the search history or the results list:** ability to create an alert

- **Automatic execution** (weekly or monthly)
- Defined monitoring codes
- Send to 23 recipients max.
- Possibility to send the results in a folder, in this case, the folder will be created in the 1st run of the alert and fed according to the chosen frequency
- Contractual limit in the number of alerts
- Stored in **My saved searches**
### How To Create Alerts?

<table>
<thead>
<tr>
<th>Search</th>
<th>Result(s)</th>
<th>Query</th>
<th>Assistant</th>
<th>Source</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1781</td>
<td>1 AND 2</td>
<td>Search history</td>
<td>FAMPAT</td>
<td>Alert</td>
</tr>
<tr>
<td>2</td>
<td>1781</td>
<td>((GOOGLE)PA/OPA) AND (FR OR DE)/PN</td>
<td>Advanced search</td>
<td>FAMPAT</td>
<td>Alert</td>
</tr>
<tr>
<td>1</td>
<td>24777</td>
<td>((GOOGLE)PA/OPA)</td>
<td>Advanced search</td>
<td>FAMPAT</td>
<td>Alert</td>
</tr>
</tbody>
</table>
Specifying Update Codes

**General**
- **Name:**
  - characters not accepted: / ; \\ # " | ? :
- **Title:**
  - (Optional; alphanumeric characters only)
- **Subaccount:**
- **Run Alert Every:**
  - Week
  - Month
  - Retrieve records once they have an abstract
    - in human or machine translated English
    - in human English only
    - in any human language
- **update code:** UE

**Strategy**
- **Edit strategy:**
  - | Step # | Query |
  - | Delete | 1 | (GOOGLE)/PA |
  - | Delete | 2 | (FR OR DE)/UECC |
  - | Delete | 3 | 1 and 2 |
  - Insert step
## Update Codes

<table>
<thead>
<tr>
<th>Search by</th>
<th>Index</th>
<th>Search Hints</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>New families in the database:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Weekly</td>
<td>/UP/</td>
<td>Search the code in the following format:</td>
<td>2014-23 /UP</td>
</tr>
<tr>
<td>- Monthly</td>
<td>UP4</td>
<td>YYYYY-WW (week), YYYYY-MM (month), YYYYY+ (year)</td>
<td>2014-06 /UP4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2016+ /UP</td>
</tr>
<tr>
<td>*Addition of equivalents or new publication stages:</td>
<td>/UE</td>
<td>Search the code in the following format:</td>
<td>2014-23 /UE</td>
</tr>
<tr>
<td>- Weekly</td>
<td>UE4</td>
<td>YYYYY-WW (week), YYYYY-MM (month), YYYYY+ (year)</td>
<td>2014-06 /UE4</td>
</tr>
<tr>
<td>- Monthly</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country of the latest equivalent</td>
<td>/UECC</td>
<td>Included in the search script, this field allows to restrict UE weekly results (see above) to new equivalents (new members in the family). With presence of the field, result will provide all families containing new equivalents. By specifying one or several country codes, result will only provide families containing new equivalents corresponding to these extension countries.</td>
<td></td>
</tr>
<tr>
<td>(available from week UE 2017-10)</td>
<td></td>
<td></td>
<td>UECC=YES</td>
</tr>
<tr>
<td>Addition of citations (weekly)</td>
<td>/UCT</td>
<td>Search the code in the following format:</td>
<td>2014-23 /UCT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>YYYYY-WW (week), YYYYY+ (year)</td>
<td></td>
</tr>
</tbody>
</table>
Collections

- World patents (full text & biblio) grouped by invention-based families (FamPat)
- World patents (full text & biblio) displayed
- 21 authorities (full text only) displayed by individual country (Full Text)

Multi Bases selection

Include the following full text sources for searching:

<table>
<thead>
<tr>
<th>Document Type</th>
<th>A</th>
<th>U</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP (Europe)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT (Austria)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BE (Belgium)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CH (Switzerland)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DE (Germany)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DE (German Translations)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ES (Spain)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>FR (France)</td>
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<td></td>
<td></td>
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<tr>
<td>GB (Great Britain)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scandinavia (DK-FI-SE)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>America</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US (USA) from 1971</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US (USA) from 1890 to 1973</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CA (Canada)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BR (Brazil)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Middle East</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IL (Israel)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>World</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WO (PCT - Patent Cooperation Treaty)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Document type:
- A = Published patent applications
- U = Utility models
- B = Granted patents

* A, B and U codes are the most often used by patent offices to designate respectively applications, granted and utility models. Some patent offices may use different codes to designate these documents.
Alert Format

Template

Format:
- Classical
- Acrobat (.pdf)
- With page break between records

Data
- First page style
- Add to workfile
- RSS

Document
- Classical
- Acrobat (.pdf)
- Acrobat (.pdf)
- With short field tag format
- Text (.txt)
- Word (.rtf)
Alert & Workfiles

Collections to survey

- world patents (full text & biblio) grouped by inventon-based families (FamPat)
- world patents (full text & biblio) displayed by individual country (FullPat)
- 21 authorities (full text only) displayed by individual country (Full Text)

Template
Format: Add to workfile
Parent Directory: [Select Directory]

Portfolio wizard

My Lists
- Select a correct target directory.
Data

Fields selection
Select information you want to receive in your alert results

Select: All, None

- FamPat family accession number
- FamPat family numbers and dates
- Publication number only
- PCT number
- English title - native or translation
- English title
- Title - other languages
- Priority numbers and dates
- Oldest priority date
## Reception

**Delivery**

E-mail address(es): help@questel.com

(Up to 23 e-mails, separated with a semicolon)

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**clients@questel.com**

Orbit Intelligence Workfiles: AI/Alerts for Driverless/DRIVERLESS VEHICLES - 36 families

36 families have been added or updated in the workfile AI/Alerts for Driverless/DRIVERLESS VEHICLES.

<table>
<thead>
<tr>
<th>#</th>
<th>Title</th>
<th>Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>New!</strong> Method of fulfilling orders in a warehouse with an order fulfillment area</td>
<td>2017-19</td>
</tr>
<tr>
<td>2</td>
<td><strong>New!</strong> Software application to request and control an autonomous vehicle service</td>
<td>2017-19</td>
</tr>
<tr>
<td>3</td>
<td><strong>New!</strong> Systems and methods for optimizing data gathering in a network of moving things</td>
<td>2017-19</td>
</tr>
<tr>
<td>4</td>
<td><strong>New!</strong> Dynamically adjusting insurance policy parameters for a self-driving vehicle</td>
<td>2017-19</td>
</tr>
<tr>
<td>5</td>
<td><strong>New!</strong> Information display device mounted in vehicle including detector</td>
<td>2017-19</td>
</tr>
</tbody>
</table>
### Manage Alert Settings

<table>
<thead>
<tr>
<th>Name</th>
<th>Collection</th>
<th>Creation Date</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALERT R11</td>
<td>FAMPAT</td>
<td>2017/05/03</td>
<td>Execute / View / Edit / Delete</td>
</tr>
<tr>
<td>DRIVERLESS FULLPAT</td>
<td>FULLPAT</td>
<td>2017/05/10</td>
<td>Execute / View / Edit / Delete</td>
</tr>
<tr>
<td>DRIVERLESS VEHICLES</td>
<td>FAMPAT</td>
<td>2017/05/10</td>
<td>Execute / View / Edit / Delete</td>
</tr>
<tr>
<td>TEST EP</td>
<td>FULLTEXT</td>
<td>2017/04/03</td>
<td>Execute / View / Edit / Delete</td>
</tr>
<tr>
<td>XYZ ALERT</td>
<td>FAMPAT</td>
<td>2017/05/15</td>
<td>Execute / View / Edit / Delete</td>
</tr>
</tbody>
</table>
Manage Alert Results

### Alerts

- **Group by**:
  - My Last Alerts
  - My Portfolio (814)
  - Default subaccount (81)

#### Patents & designs

#### Legal status

<table>
<thead>
<tr>
<th>subaccount</th>
<th>name</th>
<th>update</th>
<th>executionDate</th>
<th>file</th>
<th>title</th>
<th>numberOfResults</th>
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<tbody>
<tr>
<td>51586_SAVEDALERT 2015-41</td>
<td>ALERT R1</td>
<td>2017-09</td>
<td>2017/03/05</td>
<td>FAMPAT</td>
<td>TEST FOR EXEL</td>
<td>0</td>
</tr>
<tr>
<td>ALERT R11</td>
<td>2017-19</td>
<td>2017/05/14</td>
<td>FAMPAT</td>
<td>TEST FOR PDF</td>
<td>0</td>
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<tr>
<td>ALERT SANDVIK</td>
<td>2017-19</td>
<td>2017/05/14</td>
<td>FAMPAT</td>
<td>TEST FOR CATRIN</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>ALERT TO TEST SET 2017-19</td>
<td>2017/05/14</td>
<td>FAMPAT</td>
<td>SETTINGS</td>
<td>7631</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APPLE 2015-07</td>
<td>2015/02/24</td>
<td>JPFULLB</td>
<td>ALERTS</td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APPLE 2015-06</td>
<td>2015/02/24</td>
<td>JPFULLB</td>
<td>ALERTS</td>
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Help and Documents

Help in Context
Symbolised by 🤔 in Orbit interface

Assistance

<table>
<thead>
<tr>
<th>Region</th>
<th>Hours</th>
<th>Contact</th>
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<tbody>
<tr>
<td>Europe</td>
<td>9h00 - 18h00 (GMT + 1)</td>
<td>+8000 QUESTEL (+8000 783-7835)</td>
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<tr>
<td></td>
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<td><a href="mailto:help@questel.com">help@questel.com</a></td>
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<tr>
<td>USA</td>
<td>9h00 - 21h00 (GMT -5)</td>
<td>+1 800-456-7248</td>
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<td><a href="mailto:help@questel.com">help@questel.com</a></td>
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<tr>
<td>Asia</td>
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<td>+86 21 5115 7212</td>
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<tr>
<td>France</td>
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<td>+33 (0)1 55 04 51 00</td>
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