The IQRF Alliance

Do it wireless

We are partner for smarter wireless solutions. We support your business with flexible technology and provide you with support from the Alliance, so you can create a smart and efficient solutions to succeed in today’s market.

IQRF for Mechatronics

Šimon Chudoba, CEO, IQRF Alliance
MICRORISC Ltd

- **Mission**: Hi-Tech components and technologies enabling future innovation

- **Business Unites**: Microrisc products – IQRF, custom development Distribution (Microchip, Fujitsu, Hirose, Circuit Design,...)

- **People**: 45 employees, 25 in R&D

- **Knowledge base**: ~ 30 patents (EU, US, CZ)

- **Awards**: Czech Head 2014, category Industrie Company of the Year (3rd place 2013) Exporter of the region (2011)

- **History**: founded in 1991 IQRF since 2004 ($5 mil invested in R&D)

- **Link**: [www.microrisc.com](http://www.microrisc.com)
Ecosystem

IQRF
Wireless mesh network

Device
DCTR inside

Device
DCTR inside

Java device
DCTR inside

Java devices
e.g. Raspberry PI
IQRF SDK library

Development support

Rapid development for devices programmable in Java or C

IQRF SDK
Solderless prototyping

IQRF DDC

IQRF gateways
Interfacing standards

USB

Plug & Play

WiFi
Ethernet
GSM

IQRF Cloud

Internet / LAN

Free

Cloud.iqrf.org

Data

Control

Licenced server

Buy & Install & Use

IQRF IDE

Development environment

Local control

Network visualisation & management
Case Studies

DEPRAG

Dashboard - IQ mifidi

Search

Company

Fast Filters

Subject:
- Effectivity
- Optimal speed
- Air consumption
- Work load

Group by:
- Tools
- Worker

Time span:
- Day
- Week
- Month

Choose tools:
- Air grinder GA 818-230 UK1
- Air grinder GA 818-230 UK2
- Air drill GA 818-230 UK1
- Air drill GA 818-230 UK2

Effectivity

Graph

<table>
<thead>
<tr>
<th>Name of tool</th>
<th>Name of worker</th>
<th>Condition</th>
<th>Hours</th>
<th>Inserted</th>
<th>Loaded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air drill GA 818-230 UK2</td>
<td>Peter Brown (leader)</td>
<td>Failure</td>
<td>0.04</td>
<td>19.5.2015 16:55:01</td>
<td>19.5.2015 16:55:01</td>
</tr>
<tr>
<td>Air grinder GA 818-230 UK1</td>
<td>Larry Page (service)</td>
<td>Low power</td>
<td>0.02</td>
<td>19.5.2015 14:32:01</td>
<td>19.5.2015 14:32:01</td>
</tr>
<tr>
<td>Air drill GA 818-230 UK1</td>
<td>Sergey Brin (section leader)</td>
<td>OK</td>
<td>0.01</td>
<td>19.5.2015 2:25:01</td>
<td>19.5.2015 2:25:01</td>
</tr>
<tr>
<td>Air grinder GA 818-230 UK2</td>
<td>John Smith (worker)</td>
<td>OK</td>
<td>0.03</td>
<td>19.5.2015 7:15:01</td>
<td>19.5.2015 7:15:01</td>
</tr>
</tbody>
</table>
Case Studies

Sigma
Join us!

Together we are stronger.

www.iqrfalliance.org