

## Why Phact?

The experts of Phact have a passion for ICT and have a large range of expertises in the area of software development, hardware development and data services. It is this unique combination that makes Phact a one stop shop for innovative overall solutions for our customers.

Bright minds  
Brilliant software  
Innovative hardware

### Our services

- Software development
  - OutSystems (RAD)
  - Custom software
  - App development
  - Big Data Analytics
- Hardware development
  - Internet of Things
  - Telecom/Network components
- Secondment
  - Software developers
  - Scrum teams
  - Agile coaching

### Our expertises

- Software developers
- Software architects
- App developers
- Scrum teams
- Agile coaches
- Data scientists
- Data management consultants
- System architects
- System engineers
- Test engineers
- Team & project managers

### Our branches

- Telecommunication
- Manufacturing
- Transport and logistics
- Building automation and management

### Our working methods

- Agile and Scrum
- Rapid prototyping
- Kanban
- Jira / Taiga

Techniques & technologies

## Software development

## Hardware development

## Recent milestones

| SCRUM                   |        | AGILE                |            | KANBAN             |                    | OOP                  | UML                | DBA        |
|-------------------------|--------|----------------------|------------|--------------------|--------------------|----------------------|--------------------|------------|
| SWIFT                   | LUA    | BASIC                | SCALA      | PHP                | GO                 | DART                 | SPARK              | IMPALA     |
| HTML                    | CSS    | C++11                | NODEJS     | POWERSHELL         | OUTSYSTEMS         | LESS                 | RUBY               | PERL       |
| JAVA                    | C      | OBJECTIVE-C          | C++        | C#                 | .NET               | PYTHON               | JAVASCRIPT         | SQL        |
| ANDROID                 |        | iOS                  |            | WINDOWS PHONE      |                    | BLACKBERRY           | SYMBIAN            | ASHA       |
| SQL SERVER              | DB2    | ORACLE               | MYSQL      | POSTGRESQL         | ELASTIC            | HADOOP               | CASSANDRA          | NEO4J      |
| UNIX                    | LINUX  | WINDOWS              |            | RTOS               | MICROPROCESSOREN   |                      | CAVIUM             |            |
| TCP/IP                  | CAN    | BLUETOOTH            | NFC        | ZIGBEE             | RFID               | LORA                 | SIGFOX             | GPRS/3G/4G |
| DEVICE DRIVERS WINDOWS  |        | DEVICE DRIVERS LINUX |            | SYSTEM PROGRAMMING |                    | DSP ALGORITHM DESIGN |                    |            |
| EMBEDDED LINUX          |        | NETWORK PROTOCOLS    |            | UDP                | TCP                | SSL                  | C                  | C++        |
| ARCHITECTURE AND DESIGN |        | ELECTRONIC DESIGN    |            | PCB DESIGN         | INTEGRITY ANALYSIS |                      | CAVIUM             | DSP        |
| EMBEDDED                | ANALOG | DIGITAL              | HIGH SPEED | SIGNAL INTEGRITY   |                    | FPGA                 | BOUNDARY SCAN TEST |            |

- Development of a Proof of Delivery device for parcel shipments (IoT/M2M/GPS)
- Development of a Warehouse Management System (SaaS solution)
- Successful SS7/TDM > SIP/VoIP NGN migrations of multiple German Carrier Select providers
- Development of a fully owned Carrier grade NGN SIP platform (hardware as well as software)
- Development of TCP/IP stack for the Cavium Octeon network processor ([www.sirius-networks.com](http://www.sirius-networks.com))
- Development of a dedicated IP Engine with VoIP transcoding functionality 1 HU / 2000 Channels

### About Phact

Phact is a one stop shop for software and hardware solutions and secondment. Phact started in 2015 with nearly 25 years of experience in the telecommunication branch. How? Phact originated when a group of people with loads of experience decided to focus on a new horizon. Many of our employees have worked in the telecommunication sector for years and took their experience to this new endeavor. Phact was born. People in our team have been developing telecom hardware and software for VoIP and SS7 carriers since 1991.

Knowledge is a key part of our business. Therefore, we are engaged in close partnerships with our professional partners and suppliers.

Phact might still be very young, but we carry years of experience in software and hardware development.

**We like to use our expertise to engage any challenges you may face!**