

## PROJECT SPECIFICATION AGREEMENT

Project Number: EluxPRG-FEECTU-2017.2

Project name: **Consultancy FEE082017**

I.

The project described in the project specification, is subject to the terms and conditions of RESEARCH, TECHNICAL CONSULTANCY AND DEVELOPMENT AGREEMENT, between ELECTROLUX, s.r.o., having its seat at Budějovická 778/3, Michle, 140 00 Praha 4, Czech Republic, Id. No. 18631975 (hereafter "Electrolux") and České vysoké učení technické v Praze, Fakulta elektrotechnická, having its principal office at Zikova 1903/4 166 36 Praha 6, Czech Republic, Vat Code [CZ68407700], (hereafter "University"), NR. 01/2016, dated 10.10.2016, which is incorporated herein in its entirety.

II.

The Parties agree with publication of this Agreement in the register of contracts pursuant to the Act no. 340/2015 Coll., On the register of contracts. as amended. The publication shall be ensured by the Czech Technical University in Prague; if one of the parties considers some of the information specified in the contract for personal information or trade secrets, or data that may be to publish under the Act, such information must be explicitly identified as such during the contracting process.

III.

Detailed technical description and financial aspects of **Consultancy FEE082017** is specified in Annex A and Annex B that are integral parts of this Agreement.

In Prague .....<sup>11/9</sup>...../2017

Daniel L Johansson  
GTC Prague Manager

University:

- 4 - NR- 2017

Signature \_\_\_\_\_

Prof. Ing. Pavel Ripka, CSc

České vysoké učení technické v Praze  
FAKULTA ELEKTROTECHNICKÁ  
166 27 Praha 6, Technická 2 (18)

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This Project Specification provides as follows:

### **ANNEX A**

#### A.1 Purpose

The goal of the project is to:

- independently analyze and assess current state of Electrolux IoT solutions testing methodology, processes and infrastructure,
- identify key parts which shall be added / defined more exactly to improve overall process efficiency,
- propose possible optimization opportunities in short term (quick-wins) and in longer term, incl. suggested roadmap.

*Project indicators of success: Delivered report covering all areas defined in the project goals.*

#### A.2 Activities

To achieve the goal, following activities will be done in the project:

- 1) Familiarization with existing testing processes, testing strategy and infrastructure. The goal here is to have a clear picture of all activities which are performed, types of the tests, technical solution for automated testing and related processes.
- 2) Analysis of the existing processes, strategy and infrastructure. Identification of the possible parts which shall be added or adjustments, which shall be made. This analysis will cover the following principal areas:
  - a) Overall test strategy
  - b) Determination of intensity of the tests, prioritization mechanism
  - c) Exploiting potential of automated tests
  - d) Selection of efficient test automation scope
  - e) Preparation of testing data
  - f) Handling the platform variants in tests
  - g) Test reporting and its possible automation

- h) Strategy to handle regression tests
- 3) Documentation of the analysis results which can be done as
  - a) separate report, or
  - b) proposal of adjustments to current test strategy/test policy documentation.

**Project phases:**

2017	August	<ul style="list-style-type: none"> <li>• Familiarization with existing testing processes, testing strategy and infrastructure</li> </ul>
	September	<ul style="list-style-type: none"> <li>• Familiarization with existing testing processes, testing strategy and infrastructure</li> </ul>
		<ul style="list-style-type: none"> <li>• Analysis of the existing testing processes, testing strategy and infrastructure</li> <li>• Preparation of the IoT Test strategy optimization opportunities report</li> </ul>
	October	<ul style="list-style-type: none"> <li>• Analysis of the existing testing processes, testing strategy and infrastructure</li> <li>• Preparation of the IoT Test strategy optimization opportunities report</li> </ul>
	November	<ul style="list-style-type: none"> <li>• Preparation of the IoT Test strategy optimization opportunities report</li> <li>• Electrolux team feedback to the IoT Test strategy optimization opportunities report</li> </ul>
December	<ul style="list-style-type: none"> <li>• Working-in of the comments by Electrolux team</li> <li>• Final version of the IoT Test strategy optimization opportunities report</li> </ul>	

**Inputs from Electrolux**

- Documents describing architecture of the connectivity solution
- Access to current test environment
- Description of connectors and connected systems
- Source code of Firmware and other projects for analysis purposes if needed
- Cooperation of Electrolux testing team – interviews, cooperative analysis of the processes. Expected time – 10 MDs

**A.3 Deliverables**

- D1 – IoT Test strategy optimization opportunities report – initial version
- D2 – IoT Test strategy optimization opportunities report – pre-final version
- D3 – IoT Test strategy optimization opportunities report – final version

Purpose of D1 is to agree on the final content of the report, which will be elaborated to detail after revision on Electrolux side.

#### A.4 Milestones

Milestone	Expected completion date
<b>M1:</b> D1 – IoT Test strategy optimization opportunities report – initial version	30.9.2017
<b>M2:</b> Comments by Electrolux team to D1 provided	20.10.2017
<b>M3:</b> D2 – IoT Test strategy optimization opportunities report – pre-final version	31.11.2017
<b>M4:</b> Comments by Electrolux team to D2 provided	15.12.2017
<b>M5:</b> D3 – IoT Test strategy optimization opportunities report –final version	31.12.2017

#### A.5 University team set-up and capacity

Project lead: Miroslav Bures

Team members' allocation on the project:

- Miroslav Bures – 1,5 MDs per week – August–December
- Bestoun S. Ahmed – 1,5 MDs per week – August–December
- Karel Frajtek – 2 MDs per week – September–December

Team allocation: on-site at Electrolux office or off-site (based on mutual agreement between Electrolux and University)

#### A.6 Organization

	Electrolux	FEE CTU Prague
<b>Reference People</b>	Pavel Strnad	Miroslav Bures
	Lukas Kencl	Bestoun S. Ahmed
	Jakub Veselý	Karel Frajtek
	Giovanni Dal Bello	
	Jan Janoušek	
<b>Responsibles</b>	Pavel Strnad	Miroslav Bures
<b>Contact rules</b>	Weekly call between references	
	The reference engages, if necessary, specific competences	

Above representatives of Electrolux are designated as persons to become familiar with the execution of University's Services and the Results obtained and to provide information and sign the statement of acceptance.

Above representatives of University are designated as persons to receive Confidential Information of Electrolux and to provide information about University's Services and sign the statement of acceptance.

## ANNEX B

### B.1 The Fee

The fee for Services provided to Electrolux hereunder including Deliverables reported in A.4 is CZK 689 000,- (+VAT)

Detail of the price calculation:

Team member	Months	MDs per week	MDs per month	Total MDs	MD rate (CZK)	Total price (CZK)
Miroslav Bures	5	1,5	6	30	7 000	210 000
Bestoun S. Ahmed	5	1,5	6	30	7 000	210 000
Karel Frajtek	4	2	8	32	7 000	224 000
<i>travel costs - presentation to Electrolux team in Italy - 3 team members per 15.000 CZK</i>						45 000
<b>total</b>				<b>92</b>		<b>689 000</b>

### B.2 Payment Conditions

The payment is associated in terms of timing to:

- Before starting the project – advance payment
- Milestone M4 as per A.4

The first payment is CZK 344.500,- (+ VAT).

The second payment is CZK 344.500,- (+ VAT).

Electrolux will pay fees by bank transfer to the following account:

Bank details: *Komerční banka, Praha 6, Account number: 10-5504540257/0100, Variable symbol: 0001750*

Terms of payment: 60 days, on the ground of invoice issued by the University accompanied with written statement of acceptance on full compliance with all agreed requirements for milestone and delivery of report.

**Signatures:**

Electrolux:

\_\_\_\_\_  
Daniel L Johansson  
GTC Prague Manager

University:

- 4 -08- 2017

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Prof. Ing. Pavel Ripka, CSc  
Dean of FEE

**České vysoké učení technické v Praze**  
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