

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "Memorandum") is entered into by and between

1. Technische Universität Berlin (hereinafter referred as "TUB")

Professor Vera Susanne Rotter

Represented by its President,

Address: Straße des 17. Juni, for the department Circular Economy and Recycling Technology

and

2. Herbst Umwelttechnik GmbH (hereinafter referred as "HUT")

Professor Leonhard Fechter,

Address: Goerzallee 305 a, 14167 Berlin

and

3. Industrial University of Ho Chi Minh City (hereinafter referred as "IUH")

Associate Professor. Dr. Bui Trung Thanh

12 Nguyen Van Bao Str., Ward 4, Go Vap District, Ho Chi Minh City Vietnam

and

4. Lotus Environmental Technology Application and Development Joint Stock Company
hereinafter referred as "LETAD"-

Mr Vo Thanh Tinh, Director of LETAD

Address: 21/19c Street 11, Ward 11 Go Vap District Ho Chi Minh City Vietnam
(hereinafter referred to individually as "Party" and collectively as "Parties")

Preamble

The Partners will cooperate on the project "Biorist". The Parties TUB and HUT are funded by the German Ministry of Education, Science, Research and Technology (BMBF).

I. INTRODUCTION OF GENERAL PARTIES

1. About TUB

The internationally renowned Technische Universität Berlin (TUB) is located in Germany's capital city in the heart of Europe. It was founded in 1879 through a merger of the Royal Trade and Building Academies in Germany. Currently, a staff of 8,500 people with about 500 professors serves more than 30,000 students. The academic activities are focused on achieving sharply-defined goals: building a distinctive profile for the university, ensuring exceptional performance in research and teaching, and providing our graduates with excellent qualifications and a modern approach to university administration. The TUB strives to promote the dissemination of knowledge and to facilitate technological progress through adherence to the core principles of excellence and quality.

Strong regional, national and international networking with partners in science and industry are an important aspect in these endeavours. Internationalization is a basic principle of all scientific activities. The university's internationalization strategy adheres to the concept of strategic partnerships with top-notch universities abroad. These include the TU Warsaw, TU Trondheim, TU Delft, and TU Vienna. These partnerships serve to encourage broad-based co-operation and to promote diverse joint activities in research and teaching. A further building-block consists of strategic co-operation with scientific institutions in the three target regions of Eastern Europe, South-East Asia and South America. The TUB currently offers 26 dual-degree programmes in conjunction with partner universities in England, France, Poland, China, Russia, and Chile, in addition to 17 English-language Master's programmes. International students from more than 130 countries make up about 20 percent of the student body. The TUB currently ranks second among all technical universities in Germany in the Alexander von Humboldt Ranking. Other statistics further underscore the university's international approach: TUB professors were involved in 1,500 cross-border co-operation projects between 2009 and 2011. In 2012, around 120 international scientific agreements were in force at the central university level.

2. About HUT

HERBST UMWELTECHNIK GmbH has been engaged in the field of environmental protection for more than 20 years. We plan, build and service process technology systems, in particular for gas, water and sludge treatment. Most recently, we have specialised in technologies for the separation of hydrosulfide (H₂S), phosphates, arsenic (As) and organic silicon compounds such as silanes and siloxanes. Depending on gas volume flow, we use biological or adsorptive cleaning methods. The adsorbents used include FerroSorp® which is produced by our partner company HEGO-Biotec GmbH. In the field of water rehabilitation we provide both mechanical and chemical/adsorptive treatment processes. Mechanical processes are applied if sludge has to be removed from the watercourse and then dehydrated. Chemical/adsorptive processes are used for phosphate and hydrosulfide separation as well as sludge treatment.

3. About IUH

Industrial University of Ho Chi Minh City was formerly Go Vap Vocational School founded by Don Bosco priests on November 11, 1956 at Hanh Thong commune, Go Vap District, Gia Dinh Province. In 1968, the school was renamed as the Don Bosco Private Junior High School of Technology. Until January 31, 1970 the school was upgraded to be the Don Bosco Private Junior High School of Technology, shortly referred to as the Don Bosco High School of Engineering. After the day of peace and reunification, the Southern Liberation Army took over the school and on December 19, 1975 the School was handed over to the General Department of Metallurgy Engineering and Electronics. In 1978, the School was renamed as the School of Engineering IV belonging to The Ministry of Mechanical Engineering and Metallurgy. By 1994, the school was merged with the Chemical High School II in Bien Hoa City to become the Industrial Engineering School IV under the management of The Ministry of Industry. In March 1999, the school was upgraded to become Industrial College IV and in December 2004 the college was upgraded to become Industrial University of Ho Chi Minh City according to the Decision of 214/2004/QĐ - TTg by the Prime Minister. The university is currently one of the big educational and training institutions in Vietnam.

4. About LETDA

LET is one of the leading companies operating in Vietnam in the field of processing and environmental management consultancy. LET incorporates a group of leading experts in the field of environmental treatment and is a reliable partner of many plants, factories and abroad. There is a regular cooperation with the Department of Natural Resources and Environment of the City in the study of scientific subjects in order to make measures as well as how to handle the environmental issues. Lotus has and is bringing technology to these products and services best suited to serve customers in need. Lotus is a bridge between business and environmental management agencies of the state to contribute to raising awareness and understanding of environmental law in the business. As a fellow with the important business done to protect the environment and grow together. With a strong team, a university degree and the university was formally trained at national and international universities. Lotus confidences to give our customers the best choice in handling environmental issues such as sewage, water, waste gas, solid waste, hazardous waste. In addition, Lotus is also the environmental management consulting professional with deep understanding identity of the environmental protection laws will give customers the useful advice in the matter: Reporting Environmental Impact Assessment (EIA), environmental commitments, up protection schemes environment, periodic environmental monitoring

II. THE CONTENTS CONCLUDED BETWEEN THE PARTIES

Article 1. Joint Research.

- 1.1 The Parties shall jointly conduct the research project "Biorist" in Vietnam.
- 1.2 Nothing in this MOU shall be construed as granting any expressed or implied rights under any patent, copyright or other intellectual property rights of either Party as far as the Parties have not agreed something different.
- 1.3 The Parties do academic exchange in Environmental Technology and Engineering, Climate Change, and Environment Management.
- 1.4 The Parties create convenient conditions for IUH lecturers to participate in research activities, doctoral program; creating convenient conditions for master's program students to complete their thesis; creating convenient conditions for bachelor's program students to have internship and graduating project; creating convenient conditions for student exchange among IUH students and German students as well as other international ones.
- 1.5 The Parties coorganize scientific conference and seminars of project's results in areas interested.
- 1.6 The Parties continuously develop cooperative projects in doing scientific research and in educational training between IUH and TUB in future.
- 1.7 The Project will organize at least one short term training course for the lecturers, undergraduate and graduate students of the Institute of Environmental Science, Engineering and Management about project's biogas technology.

Article 2. Amendments

If either Party desires to amend or modify this Memorandum, the Parties shall, upon reasonable notice of the proposed modification by the Party desiring the change, confer in good faith to determine the desirability of such modification. No modification will be effective until a written amendment is duly signed by authorized representatives of both Parties hereto.

Article 3. Liability

1.1 The Parties will be responsible for their own activities.

1.2 IUH will assign a group from the Institute of Environmental Science, Engineering and Management leading by Prof. Dr. Le Hung Anh as the project's director to perform project activities.

Article 4. Confidentiality

Both parties will treat all information, which are marked as confidential, for completion of the MoU side as confidential and will not disclose to any unauthorized third. This obligation will end with the termination of the MOU.

Article 5. Term & Termination

5.1 This Memorandum shall be effective as of the Date last signed below and shall remain in force for a period of three (3) years ("Term"). The Term shall be automatically extended an additional one (1) year if neither Party provides the other Party with a notice of termination within three (3) months prior to the end of the Term.

5.2 This Memorandum may be terminated without penalty by (a) mutual agreement in writing, signed by an authorized representative of each Party, or (b) either Party giving sixty (60) days' notice in writing to the other Party.

Article 6. Miscellaneous

6.1 This Memorandum may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

6.2. Should one or more provisions of this Agreement be or become ineffective, this shall not affect the validity of the other requirements and provisions. The TUB and the Project Consortium are obliged to replace ineffective provisions at all speed by new effective provisions which are as close as possible in spirit to the original goal of this Agreement. Neither of the Partners may assign the Agreement, in whole or in part, without the prior written consent of the other Partner. Alterations, additions and supplementary agreements shall be made in writing.

6.3 The MOU does not restrict the Parties from participating in other, possibly similar activities.

Article 7. Jurisdiction

7.1 Should it not be possible to settle amicably differences of opinion arising out of this Agreement, then the case shall be brought before the competent courts of Berlin, Germany.

7.2 German Law is applicable.

IN WITNESS WHEREOF, the Parties have executed this Memorandum through their duly authorized representatives on the date set forth below.

Herbst Umwelttechnik(HUT) Date: <u>23/03/2016</u> By: _____	Technische Universität Berlin(TUB) Date: <u>23.3.2016</u> By: _____
Industrial University of Ho Chi Minh City (IUH) Date: <u>MARCH 23rd 2016</u> By: <u>Bui TRUNG THANH</u>	Lotus Environmental Technology Application and Development Join Stock Company (LETAD) Date: <u>23/3/2016</u> By: _____

Technische Universität Berlin
Der Präsident
V D - Forschungsverträge, Lizenzen und
Patente
19.01.2016

Võ Thanh Bình

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