



BIM4ENERGY

E R A S M U S

Erasmus+ Project ID: 2023-1-ES01-KA220-HED-000156652

BIM digital competencies to evaluate and improve the energy efficiency of European buildings. A digital way towards positive energy districts

BUILDING SERVICES FOR REGENERATIVE CITIES Unique master's degree in Europe oriented towards Net Zero City

Speaker: UTCN

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Universidad Politécnica de Cartagena





uropea



ROMANIA

BUILDING

COUNCIL

GREEN



The New Master Course is the result of more than two years of work and more than 600 pages dossier, with the support of Swiss Embassy, European Energy Award Association, Romania Green Building Council, and many international and local companies.

Catre: Universitatea Tehnica din Cluj-Napoca **Building Services for Regenerative Cities** Association European Energy Award AI

Scrisoare de sustinere

Consliul Român al Clădirilor Verzi - Romania Green Building Council (RoGBC www.rogbc.org) reprezentată de Președintele Andrei Botis sustine crearea unui Masterat în limba engleză Building Services for Regenerative Buildings la Facultatea de Ingineria Instalațiilor din cadrul Universității Tehnice din Cluj-Napoca.

RoGBC este o asociație non-profit, apolitica, formată din organizații active in toata tara. Promovăm responsabilitatea fata de mediu si eficienta energetica pe durata ciclului de viata a unei clădiri (de la faza de design, construcție pana la operare si deconstruire), iar masteratul propus de Universitatea Tehnică din Cluj-Napoca este menit să formeze specialiști extrem de solicitați la ora actuală.

RoGBC va sprijinii cu documentație și specialiștii din cadrul companiilor membre acest masterat, iar ca deținător al licenței European Energy Award în România, își dorește pregătirea de profesioniști în managementul orașelor.

The term of **REGENERATIVE** is from COST RESTORE definition: "Enabling social & ecological systems to evolve"

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Zurich, 29 November 2021

Master programme - Building Services for Regenerative Cities

Dear Madam, dear Sir,

The Association European Energy Award AISBL is supporting the new Master degree in English, Building Services for Regenerative Cities, where the concept and the measures of European Energy Award will be taught and taken as a reference. We will be happy to support the new master with access to documentation and Best Practice Library, which can be a source of inspiration for the students.







The timing for launching this Master Course is spot-on: climate change, New Green Deal, 15% energy reduction in Europe, but most of all, the challenge for cities to become Climate Neutral.

So, students and professor will learn together how to succeed, with Cluj-Napoca and the university buildings as their playgrounds.







BIM4ENERGY E R A S M U S +

If you are an **engineer** or an **architect**, working in for city council, contractors, design firms or real-estate developers, we are looking for you to enrol in this **brand-new Master** and become **part of the change**, with a futureproof domain.



This is the fourth English Master and is part of the internationalisation **strategy of the University**, with options for **Erasmus**+ exchanges in **EUt**+ or elsewhere in **EU** and **Switzerland**.



Learning Activity Cartagena, Feb 7th - 9th 2024

Co-funded by the European Union





Educational Plan

1ST SEMESTER COURSES







Digital Design and Fabrication -BIM



Advanced Architecture



nZeB Buildings







Human Centric Lighting







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BIM4ENERGY

RASMUS

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Educational Plan

2ND SEMESTER COURSES





Quality and Wellbeing



CLLBEIN

PRODUC

COMFORT

HEALTH

INDOOR AIR

THERMAL COMFORT

1

IEQ

ACOUSTICS



Building Services Retrofit Solutions



Energy Analysis of a Building / City





Ethics and Academic I Integrity







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