Funded by the Erasmus+ Programme of the European Union

PUB-WOOD

SUSTAINABLE PUBLIC BUILDINGS DESIGNED AND CONSTRUCTED IN WOOD (PUB-WOOD)

Pub-Wood International workshop
Coventry, U.K.
April 23rd – May 3rd 2019

Las Arenas, Barcelona (www.e-architect.co.uk)

Coventry University

School of Energy, Construction & Environment

Host at Coventry:

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Key Dates:

Date Handed Out:
Tuesday 23rd April 2019

Submission:
Friday 3rd May 2019

Indicative programme:

Can be found in appendix.

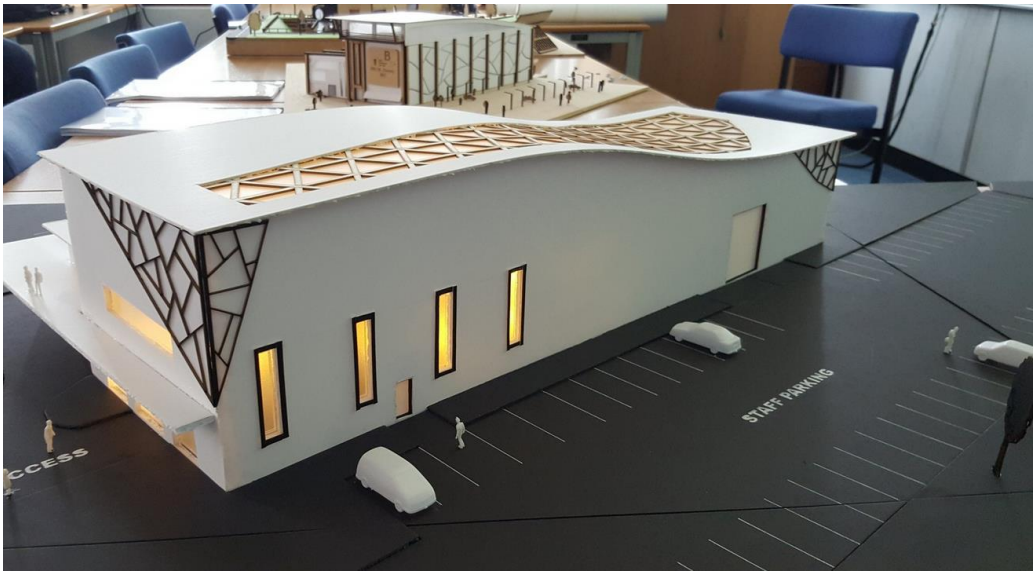
The Project

Introduction

Austin-Healey was a British sports car maker established in 1952 through a joint venture between the Austin division of the British Motor Corporation (BMC) and the Donald Healey Motor Company (Healey), a renowned automotive engineering and design firm they were the pinnacle of car design in both sports and racing cars. Today, the JME Austin Healey car plant is built on the original site of the 1950s factory at The Cape, Warwick and produced brand new, hand built cars worthy of the greatness of the past.

Their facility is aging and you will be given the opportunity to visit and see the proposals made by the ‘architects’. These proposals do not include a museum, which the client (JME) now require as part of the design. This museum extension is your project and will be designed as an exemplar timber building.

The current Austin Healey factory (we will visit this).



Example of new factory unit by the ‘architect’.

The Museum:

As the factory has already been designed, the new museum will be situated next to the factory, connected by secure access for employees of the client (JME).

Brief:

Using as much timber materials as possible, the client (JME) requires;

- A new museum to link to the factory but also have a separate entrance for visitors.
- A reception area with small shop
- Exhibition space of 3000m^2
- Mezzanine level
- Visitor toilets
- Floor slab capable of taking appropriate weights

The project teams will consist of approximately 5 members each. Each group will be required to develop the following outputs:

- Precedence analysis
- Sustainability and BREEAM design considerations
- Concept design with plans, sections, elevations and 3D illustration.
- Technical excellence including sizes and types of timber, connections, foundations and specification.
- Identification of services, U-values, fire, humidity, ventilation, drainage, lighting, pathways of escapes and DDA compliance (access for disabilities).
- Develop the programme of works, costings, life cycle analysis, site management, health and safety requirements.
- Present final project in powerpoint format.

The final presentation will be undertaken using powerpoint with at least 2 slides per team member. You will have approximately 20-30 minutes of time to present your project.

You will be assessed on the following outcomes:

Marking Criteria			
No	**Assessment Criteria**	**%**	**Marks**
1	Precedence analysis.	10	
2	Concept design – plans, sections, elevations and 3D illustration.	20	
3	Technical excellence including sizes and types of timber, connections, foundations and specification.	20	
4	Identification of services, U-values, fire, humidity, ventilation, drainage, lighting, pathways of escapes and DDA compliance (access for disabilities).	20	
5	Develop the programme of works, costings, life cycle analysis, site management, health and safety requirements.	20	
6	Presentation, professionalism, clarity of expression and references	10	
TOTAL		**100**	