

Project management Plan For Building a new Hostel



QS Study (2021)

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ADOBE STOCK (2022)

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Executive summary

The University of Wales Trinity and Saint David's great teaching and learning techniques has encouraged a global demand, increased the population, and expanded the need for more student accommodation.

Knights' Constructions Firm has been contracted to manage the construction of 6 hostel blocks for student living accommodation on behalf of the University of Wales Trinity and Saint David (UWTSD) situated within the Birmingham City Centre area. Knights' Construction will provide 6 fully furnished student hostel accommodation units complete with fixture and fittings, providing students with the finest academic and living experience possible, enhancing student intake and enrolment.

Location

All units will be located on the Bristol Rd, City Centre 15-minute walk from the University and near local shops, bus stops, train station and the new Birmingham phase 1 metro service.

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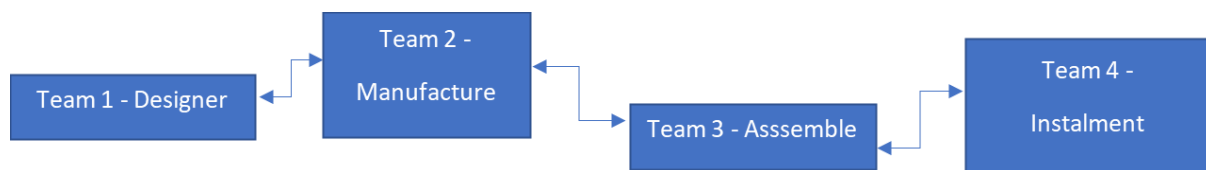
Project outline

Knights' construction will provide 6 spacious liveable hostel units, each accommodating 12 students per block.

Materials: versatile transportable light weight steel framework. 30 to 40 years life span, complex wall panels including curved construction, fire resistant hard plasterboard covered Formica, allowing for a more cost-effective faster build using the Knight Construction building materials system. Shipping plan customised based on the project.

Project deliverables

Knights Construction Firm design, manufactures, assembles all products, and install all materials. After several meetings with the Architectural designer, construction team, stakeholders, and health & safety a plan was constructed to initiate the building of 6 student hostels within the Birmingham area, and the planning goes as forth.



Knights Construction Building Design

Team 1

Architectural designers create a three-dimensional outlook of the plan, including structural measurements of the required materials.

Team 2

The manufacturers team cut to size materials following measurements from team1.

Team 3

All measurements and parts are double checked for accuracy, flat packaged, ready for the assembly team, delivered to sight ready for project instalments.

Team 4

Appointed sight manager will have 3D plans of the structure, measurements, and all relevant materials to begin construction.

Timeline

The timeline for all works carried out will be one month per building

Stakeholders Analysis Quad Chart

The quad chart helped to visually summarise the project, giving structure by breaking it down into manageable sections.

Knights Construction Firm Building a better future for students	
Objectives Design Manufacture Assemble Install	Stakeholders UWTSD Knights Construction Firm
Desired end-result Clean environment Happy students Make sure Health and Safety is up to code Clean and liveable living quarters Accessible buildings/ carparks Environmentally friendly	Measures of success recommendation Successful Completion Satisfied Customers Completion of project

Constraints

Costs

• Bedroom, fully furnished, ensuite shower room, 6.5 metres per room, including labour	£3.500
• Kitchen/diner one per floor	£15.000
• Price of insulated flatpack per building	£171'220
• Land per building	£160,000
• Price of foundation per building	£8.000
• 14 Television, including kitchen/diner	£4.000
• Disability lifts price	£1,500
• Price of a backup generator	£8,500
	£174'917

Initiations:

The Knights firm applied for the initial contract, along with several other companies,

Planning:

Policies, goals, and procedures are incorporated within the organising to ensure a successful plan run smoothly and done time.

Execution:

all work will be carried out according to plan

Monitoring:

All six projects will be monitored closely, sight managers and foreman to ensure maximum results and satisfactory completion of the original plan

Funding:

The university will invest heavily in the project to be able to keep up with the demand of students arriving from all over the world, much needed capital to start production will be provided by the university.

All expected costs have been discussed and agreed with the university of Wales Trinity and St David, any additional costs or requirements will be negotiated with the stakeholders as in when required.

Closer: when the plan is completed, and the stakeholders/customer inspects the end project is satisfied with the outcome of the job.

Resources:

Energy supply: electric throughout

Boiler

Storage heating

Electric points meters

Plumber- pipe works/ bathroom and Kitchen

Carpenter

Automatic centre lights in relevant areas

Wi-Fi (free)

Health and safety

Health & safety is imperative within the job to keep the workers safe, make sure the equipment is used correctly, are wearing the correct attire and applying to regulation. The UK Health and Safety Executive's (HSE) mission is to ensure that the risks to health and safety of workers are properly controlled. (Hughes, Ferrett, 2012, p.25)

- 24hr security (optional)
- Fire extinguisher
- Health & safety information booklet
- Health and safety/Exit signs
- Fire doors

The Pestle was used to highlight the Political, Economic, Social, Technological, legal, and environmental external factors within the business.

PESTLE is a strategic planning tool used to evaluate the impact of political, economic, social, technological, environmental, and legal factors might have on a project. (Rastogi, Trivedi, 2016)

Pestle includes

Political	Economic	Social	Technological	Legal	Environmental
Covid 19, sick staff, the Ukraine war could affect the building of the project if they are any political Russians involved in the financial side of the business Residential construction, Traffic laws, Waste management system update.	Landfill disposal, Illegal dumping, Landfill tipping fees	Lack of recycling knowledge,	Reduced time at recycling plants, Lack of recycling sites around the country.	Reduced regulations. Waste to dirty to recycled.	Illegal dumping sights, hazardous substances.

Student's needs per room

Items	Price per item £
Dining room/communal area	
Built-in breakfast bar & stools	
Wall Tv	
Side table stack	
Floor tiles	
Settee	
Kitchen	
Sink	
Fridge/freezer	
Microwave	
Dishwasher	
Washing machine	
Floor Tiles	
Cupboards/units	
Oven & hob	
Bedroom per room	
Single bed	
Mattress	
Built-in- wardrobe	
Small dresser	
Desk & chair	
Laminated flooring	
Un-suit facilities	
walk-in shower	
Toilet	

Sink	
Tiled	

Sustainable Business

Knight construction aspires for the highest level of sustainability by being energy efficient, using recyclable materials, minimum water, zero waste and pollution.

Conclusion

The University of Wales Trinity and Saint David's great teaching and learning techniques has encouraged a global demand, increased the population, and expanded the need for more student accommodation.

Building accommodation in the middle of the city for the students is ideal and convenient.

Knights Contractors is a reliable Firm with all the knowledge and understanding of what is needed through the student years and will provide the ideal accommodation with all the necessary appliances students could possibly needed. The university of Wales Trinity and Saint David, the stakeholders of the built properties will not be disappointed, as the building will be unique, comfortable and pleasant to look at, bring a good investment for the future.

References

Hughes, P. and Ferrett, E., (2012) *Introduction to health and safety in construction*. Routledge.

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Rastogi, N.I.T.A.N.K. and Trivedi, M.K., p3, (2016) PESTLE technique—a tool to identify external risks in construction projects. *International Research Journal of Engineering and Technology (IRJET)*, 3(1), pp.384-388.

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Appendices

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