Business Case

Brain Tech

DATE: 08/04/2023

Project Name	Predictive Maintenance For HVAC Systems In A Commercial Building

Project Sponsor	Lisa Idayu	**Project Manager**	Marrylind Grace Ann
Date of Project Approval	05/04/2023	**Last Revision Date**	08/04/2023

Contribution to Business Strategy	The project contributes to the business strategy by enhancing operational efficiency, improving customer satisfaction, cost saving, ensuring sustainability, and enabling data-driven decision-making.
Benefits	- Minimized downtime through proactive maintenance. - Improved energy efficiency and reduced consumption. - Increased occupant comfort and satisfaction. - Cost-effectiveness in resource allocation and system management.
Timescales	Initial analysis shows that the project will take approximately 3 months to implement.
Costs	Initiating Phase = RM2,100 Planning Phase = RM4,400 Executing Phase = RM6,00 Closing Phase = RM1,500 Total estimated cost = RM14,000
Expected Return on Investment	Total estimated cost = RM14,000 Expected annual savings = RM20,000 Net benefits: $6,000 ROI ≈ 42.86%
Risks	Data quality, limited HVAC expertise, technical challenges, resistance to change, and budget constraints pose risks to the predictive maintenance model's success.