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### OBJECTIVES

The main objective of this analysis and study is to determine the ability and viability to set up a new solar PV system service provider company for residential units known as SolarNext Sdn Bhd in Melaka, Malaysia within first 4 years of its operation.

### METHODOLOGY



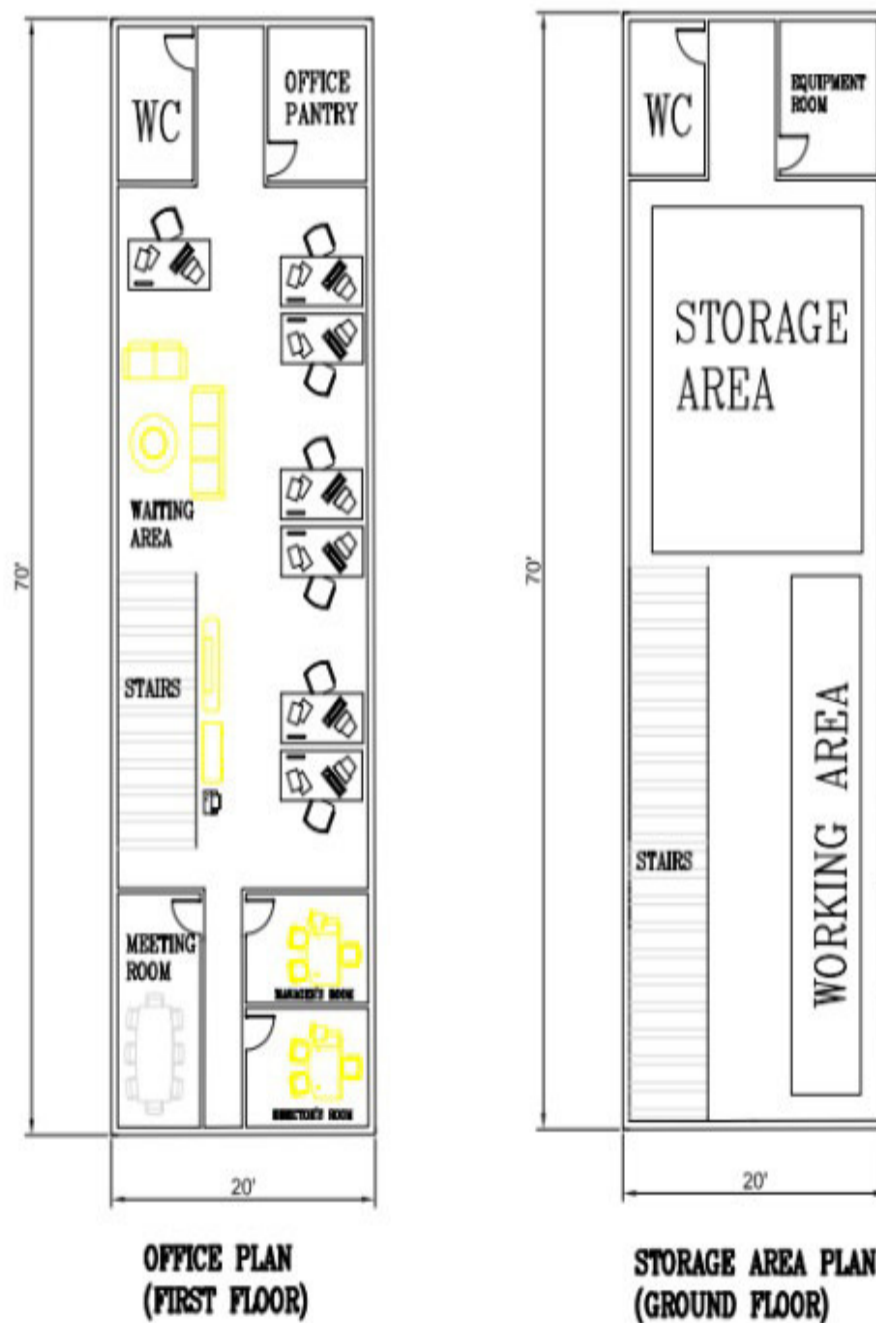
### SOLAR PV SYSTEM INSTALLATION PACKAGES

Components of solar PV system in installation packages; **solar panels, inverter, combiner box, monitoring system and balance of system (solar cables & connectors and racking & mounting racks).**

Installation packages start from **4 kWp** solar PV system to **12 kWp** solar PV system.

Other services offered in the installation Packages; **consultation, project planning, solar PV system installation work, testing & commissioning and maintenance.**

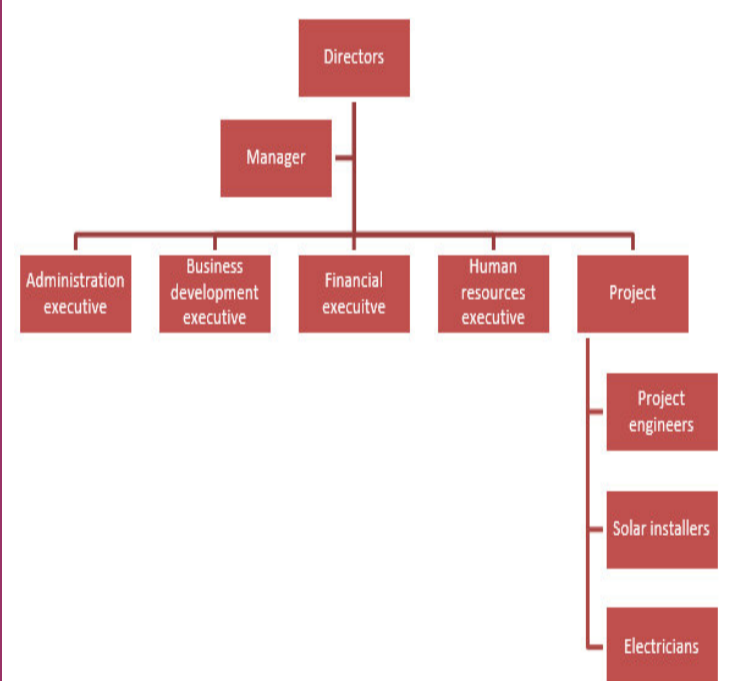
### LAYOUT PLAN



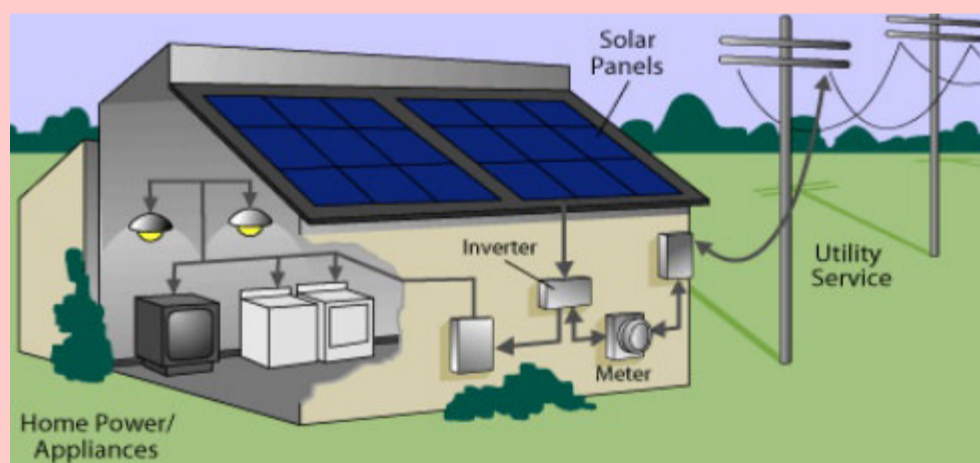
### LOCATION



### ORGANIZATIONAL CHART

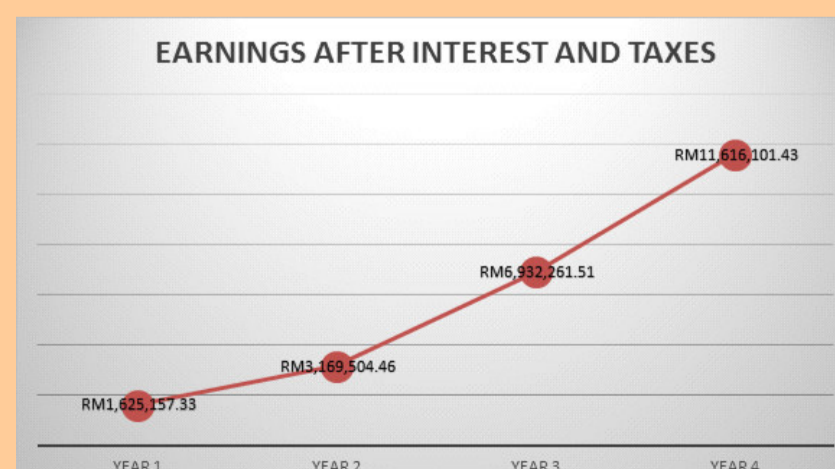


### COMPONENTS OF RESIDENTIAL SOLAR PV SYSTEM

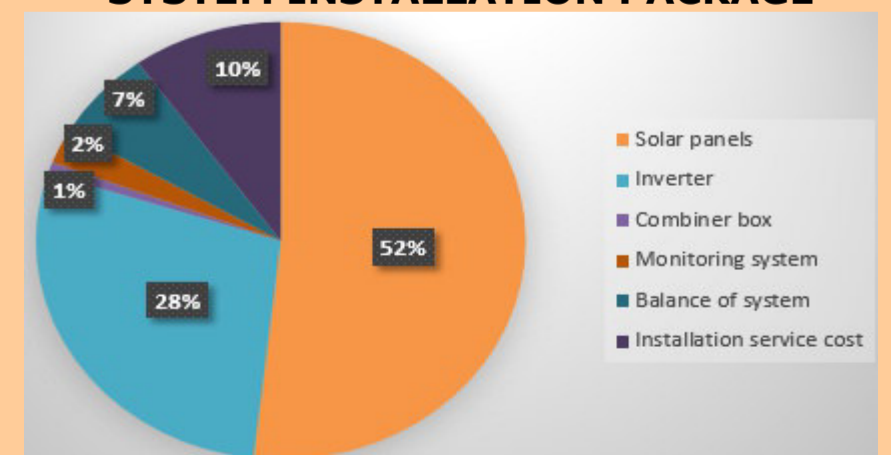


### RESULTS

<b>TOTAL INVESTMENT</b>	RM2,265,417.80
<b>AUTHORIZED CAPITAL</b>	17%
<b>LOAN GRANTED</b>	83%



### COST DISTRIBUTION FOR 12 kWp SOLAR PV SYSTEM INSTALLATION PACKAGE



### CONCLUSION

The analysis revealed that it is viable to set up the solar PV system service provider for the residential units. The profitability of the company can be obtained within first year of its operation and keep increasing every year even though the prices of the installation packages are likely to decrease due to the evolution of technology of the solar PV system components. The profitability of SolarNext Sdn Bhd company is contributed by increasing awareness among public regarding solar energy, appealing return of investment on the solar energy programs; Feed-in Tariff (FiT) & Net Energy Metering (NEM) and the government's commitment to encourage the public to use the solar energy at larger scale.