

Summary Potential Saving ALNASER GROUP
Summary of Potential Savings

| AREA | Annual Energy Saving | | | Investment Required (JD) | Pay back Period (Year) | CO2 (Ton/Year) |
|---|----------------------|----------|-------------------|--------------------------|------------------------|----------------|
| | kWh/year | | Cost Savings (JD) | | | |
| | Electrical | Thermal | | | | |
| ELECTRICAL SYSTEMS | | | | | | |
| Changing the tariff | 0 | | 505 | 0 | immediate | 0 |
| Lighting System | | | | | | |
| Replacement of Conventional Ballast by Electronic Ballast for fluorescent lamps | 4569 | | 196.5 | 1881 | 9.5 | 3.2 |
| Replacement 400 watt HG-Mercury lamps with 250 watt Metal Halide lamps | 5320 | | 229 | 858 | 3.75 | 3.72 |
| Installing Photocell for external lighting | 802 | | 34 | 100 | 3 | 0.56 |
| Installing occupancy sensors for stores lighting | 1386 | | 60 | 100 | 1.7 | 0.97 |
| Daylight utilization | 12751.8 | | 548 | Nil | Immediate | 8.93 |
| Galvanization Bath | | | | | | |
| Operating the Three Furnaces Using Liquefied Petroleum Gas (LPG) Taken From Tanks | | | 15196 | 27643 | 1.82 | |
| COMPRESSED AIR SYSTEM | | | | | | |
| Replacing the old compressor and DEMAG compressor by compressor BRC 40 SB | 126000 | | 500 | 0 | 0 | 88.2 |
| TOTAL | 150829 | 0 | 17269 | 30582 | 1.77 | 105.58 |