



harvest  
solar

**TAC**  
TAC Manufacturing, Inc.

## TAC MANUFACTURING

AUTOMOTIVE MANUFACTURING FACILITY  
JACKSON, MI | CASE STUDY

TAC Manufacturing has successfully implemented a 2.2MW ground-mounted solar array spanning 8 acres of previously unproductive land. This initiative has resulted in an annual cost savings of \$261,601.

### AT A GLANCE

#### CHALLENGES

- Capital Investment
- Available space and placement of panels
- Permitting and regulatory hurdles
- Equipment lead times

#### BENEFITS

- Reduction of fossil fuel consumption
- Significant reduction of electric bill
- Less reliant on utility grid
- Environmental leadership in Community

“TAC has been committed to reducing our reliance on carbon generating energy sources for many years. To that end, TAC and its Associates are proud to announce that we are taking a large step in that direction, by investing with local companies, in one of the largest private solar fields in Jackson County.”

#### SCOTT STURGIS

TAC Manufacturing Director



Scan the QR Code  
to learn more about  
**TAC**  
Manufacturing's  
Solar Success  
Story!

### OBJECTIVES

TAC Manufacturing, like many industrial facilities, faces significant energy demands. Welding robots, painting booths, and complex assembly lines all require substantial electricity. Fluctuating grid prices and concerns about long-term energy security posed a financial challenge. Additionally, TAC, a brand known for its commitment to quality, felt a responsibility to reduce its environmental impact.

### SOLUTIONS

To meet TAC Manufacturing's specific needs, Harvest Solar, a local Jackson company, conducted a comprehensive solar analysis. This included factors like available space, utility rates, potential tax incentives and rebates. The resulting solution - a strategically placed 2.2MW solar PV system - was designed, built, and wired entirely by skilled Jackson professionals employed by Harvest Solar. This “behind-the-meter” system directly offsets TAC's energy use, maximizing cost savings without the need for battery storage at this time.

### FAST FORWARD

#### Estimated kWh Generation

This solar array has a nameplate capacity of 2.08 MWdc and is estimated to generate approximately 2,837,287 kWh per year.

#### Estimated Savings

The projected savings on utility bills over 30 years from this solar array amount to \$15,894,543.

#### Estimated CO2 Offset

The solar array's estimated CO2 offset is equal to the emissions from burning 2,222,433 pounds of coal.

#### Estimated Tax Incentives, Rebates, etc.

TAC has factored in a 26% Federal Investment Tax Credit for this project to reduce the ROI to 5 years.

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