



# Ride, Pedal or Walk

A comparison of  
on-site/in-facility  
transportation  
options.

In facilities that cover 250,000 sq. ft or more on one level, either indoor or outdoor, there are three popular ways for personnel and light materials to be transported:

1. Walking
2. Powered carts
3. Industrial Cycles (bicycle or tricycles)

This paper looks at the advantages and disadvantages of each method.



*A popular in-facility transportation option (no the jet is not the one!)*

# Walking



Walking is free  
But you get what you pay for.

## Advantages

- No initial start-up costs
- No maintenance cost
- No training necessary
- Presents no specific safety hazards

## Disadvantages

- Highly inefficient
- Speed tends to slow during day
- Limited ability to carry tools or materials
- Discourages multiple trips
- Subjects walker to many hazards



# Riding



Powered carts are quick and can carry heavy loads but they are expensive to buy and maintain while bringing hazardous materials into your facility.

## Advantages

- Much faster than walking
- Effortless
- Handles heavy loads

## Disadvantages

- High initial cost
- High maintenance expense
- Use hazardous materials (propane or batteries)
- Increased injury risk for riders or foot traffic
- Require special handling of fuel

# Pedaling



Industrial cycles are far less costly than powered cart while eliminating hazardous materials and noise, yet offer comparable benefits to power carts

## Advantages

- Much faster than walking
- Reduces unnecessary workplace noise
- Eliminates hazardous materials
- Much lower acquisition and maintenance expense vs. powered carts
- Environmentally friendly
- Handles heavy loads

## Disadvantages

- Not as powerful as carts
- Best used on flat floors/lots

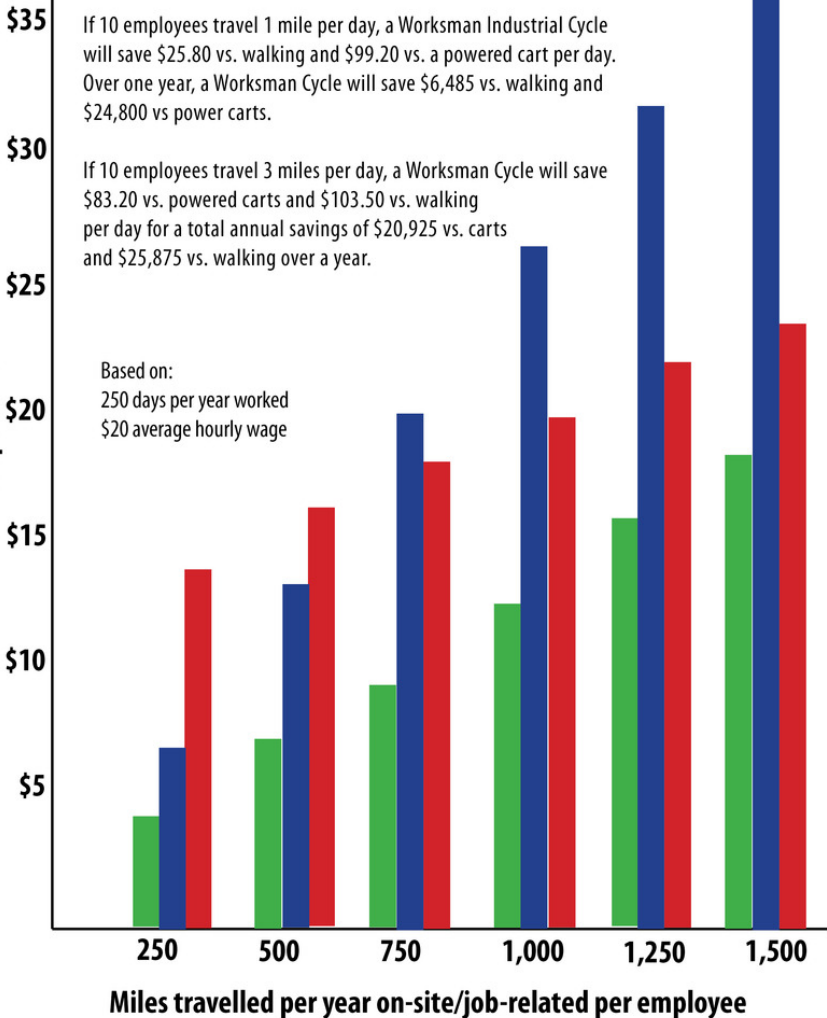
# Cost Comparison: Walking vs. Riding vs. Cycling

The chart below compares the cost per day of walking, riding and cycling. Factoring the purchase costs, maintenance expense, time spent and hourly wage, it is clear that cycling has clear-cut advantages over both walking and riding in a cart.

As you can see, even mid-sized facilities (500,000 sq. ft) can save \$8-\$10 per day/per employee by switching from powered carts to cycles. Compared to walking, the savings is twice as great, ranging from \$10 - \$20 or more per day.

## Cost per Day Comparison:

### Workman Industrial Cycles vs. Walking vs. Powered Cart



#### Workman Industrial Cycle

- Avg. Speed: 7 mph
- Amortized Purchase Cost/year: \$200 (\$1,000 avg. purchase price / 5 years)
- Maintenance cost/year: \$125



*Workman Industrial Cycles offer the lowest cost of operation while improving employee wellness.*

#### Gas/Electric Cart

- Avg. Speed: 10 mph
- Amortized Purchase Cost/year: \$2,000 (\$10,000 avg. purchase price / 5 years)
- Maintenance cost/year: \$1,000
- \* Does not include cost of fuel



*Fuel-powered carts require high maintenance and have hazardous material storage, handling and disposal issues.*

#### Walking

- Avg. Speed: 3 mph
- Purchase Cost/year: \$0
- Maintenance cost/year: \$0



*Walking is inefficient and leads to employee fatigue and injury risk.*



# Not all Industrial Cycles are the same.

Not all business cycles are created equal. "Dressed up" recreational cycles are not designed to withstand the rigors of daily use in demanding environments. Put simply, thick tires and a coat of Safety Yellow paint does not make a true Industrial Cycle.

When shopping for an Industrial Cycle, look for the following features:

- One-piece, hand-welded steel frame with lugs and/or gussets
- Machined steel axles with adjustable bearings
- .060" thick, clincher rims with 11 gauge spokes
- 3/16" chains and sprockets
- One-piece forged cranks

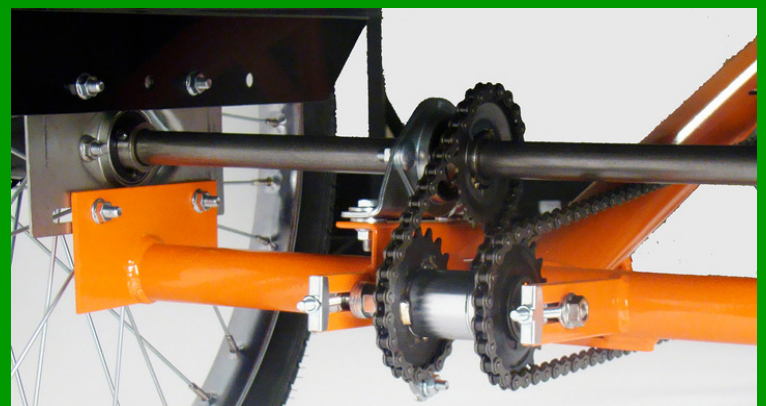


Cast steel lugs

Gussets add extra strength in key areas



Extra-thick clincher style rims with massive 11 gauge spokes.



Machined steel axles with adjustable bearings. 3/16" chains and sprockets

# Cycles for every application in your facility

Industrial Cycles come in a wide range of styles including front and rear load tricycles, single and two rider tricycles, quadcycles and super-duty bicycles.







# WORKSMAN CYCLES

*America's Cycle Manufacturer Since 1898*

[www.worksmancycles.com](http://www.worksmancycles.com)

718-322-2000

[cycles@worksmen.com](mailto:cycles@worksmen.com)