



MAGNET
PRODUCT DESIGN
& DEVELOPMENT

**Reaching New Heights
in Product Innovation**

Fast Facts

Industry
Manufacturing

Location
Cleveland, Ohio
United States

Challenge
Market-ready engineering
design and manufacturing
plan

Solution
Used Goldfire Innovator to
research patents, sources,
and technical solutions in the
context of the new concept.

Benefits
"An entrepreneur's idea is
often like starting with a sky.
You need to take the
sky and narrow it to a
football field, then to a gym
size, then to a refrigerator,
and so on. After you get
the concept to about 90% ,
that's where the technical
work begins. Goldfire
helps at every step."

- Dave Pierson
Senior Design Engineer
MAGNET Product Design
& Development

About MAGNET

MAGNET Product Design and Development, an Ohio Edison Technology Center, is the region's manufacturing consulting organization with the aim of stimulating growth and helping manufacturers become more competitive.

Challenge

After seeing his dad struggle to reach a smoke alarm battery, Nelson Pitlor thought businesses might have a similar difficulty replacing high ceiling light bulbs and ballasts. He was right.

Solution

With the help of MAGNET Product Design & Development team and Invention Machine Goldfire Innovator software, Nelson's company, Accessmount LLC, created a multiple award-winning "ladderless" light fixture that easily mounts to and is removed from high places with a pole and some simple magnets and latches, increasing both savings and safety.

Results

Accessmount has won multiple industry awards, include *Building Magazine's Top 100 Products* list for this new innovation. Dave Pierson of MAGNET stated, "By using Goldfire, I was able to achieve fast failures and quickly scout solutions to help Nelson bring this innovative idea to market."

