

Drive optimisation with
the maintenance-free
optibelt
RED POWER II



Optibelt RED POWER II:
Energy cost savings at
no extra cost

The range of maintenance-free **RED POWER II V-belts and kraftbands**, an Arntz Optibelt Group development, is continuing its triumphant success in America.

Based upon unique production technologies and innovative materials, Optibelt now offers maintenance-free high power belts with which energy **cost savings of between 8% and over 20%** can be achieved. In addition to this, the flow rate has also been substantially increased.

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October 10, 2008

Mr. Robert Golub
Optibelt Corporation

Mr. Golub,

I would like to use this letter to express my satisfaction with working with you and your company, Optibelt Corporation. As you know, Eastern Michigan University's (EMU) Halle Library has a number of air handling supply and return fans, all of varying sizes and belt configurations. EMU has been unable to reliably shut these fans off at night to save energy due to the chance of throwing belts off the pulleys upon startup. EMU was made aware of your product and contacted you to see if Optibelt would be able to help us in this situation.

After meeting and gathering further information, you, along with Rodney Coyle of BDI, were able to visit the site and size up both the belts and new pulleys for two supply and two return fans. EMU purchased the new belts and pulleys and had them installed. EMU has since been able to consistently turn the fans off at night, saving over \$ 30,000 per year in energy costs. Additionally, you visited the site multiple times to ensure the belts were operating properly, providing a higher level of customer service beyond what EMU normally receives.

Both before and after the new belts and pulleys were installed, EMU performed fan power measurements on the four fans. These measurements showed a saving of about 10 kW for the belt and pulley changes alone. With operations of about 6,600 hours per year for two of the fans and 5,550 for the other fans, the 10 kW reduction in energy usage resulted in an additional \$ 850 in savings per year. These significant savings have allowed EMU to justify replacing all of the belts and pulleys on the remaining eleven fans at Halle Library. EMU expects to save approximately another \$ 100,000 with these new belts and pulleys by allowing for the fans to be turned off at night.

Thus far, EMU has received both an exceptional product and exceptional support from Optibelt and BDI. I look forward to a continued relationship with both firms.

Sincerely,

Steven Moore II, PE, CEM, LEED® AP

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