

## Design Potential of Metal Foil Substrates for Optimized DOC Performance

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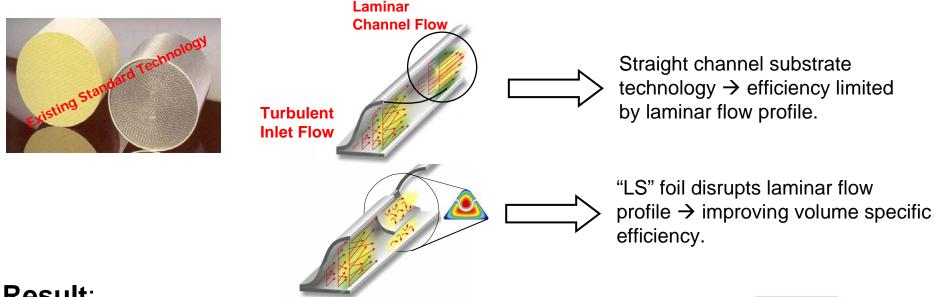
# **Poster # 27**



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### Hypothesis:

- DOC conversion efficiency is limited by laminar flow profile.
- Metal substrates using "LS" foil can improve volume specific efficiency and allow for volume reduction.



#### Result:

- Improvements in HC oxidation, NO₂ production, and faster light off → reduced by > 20%volume and precious metal content.
- Cost effective and compact high performance system.

