

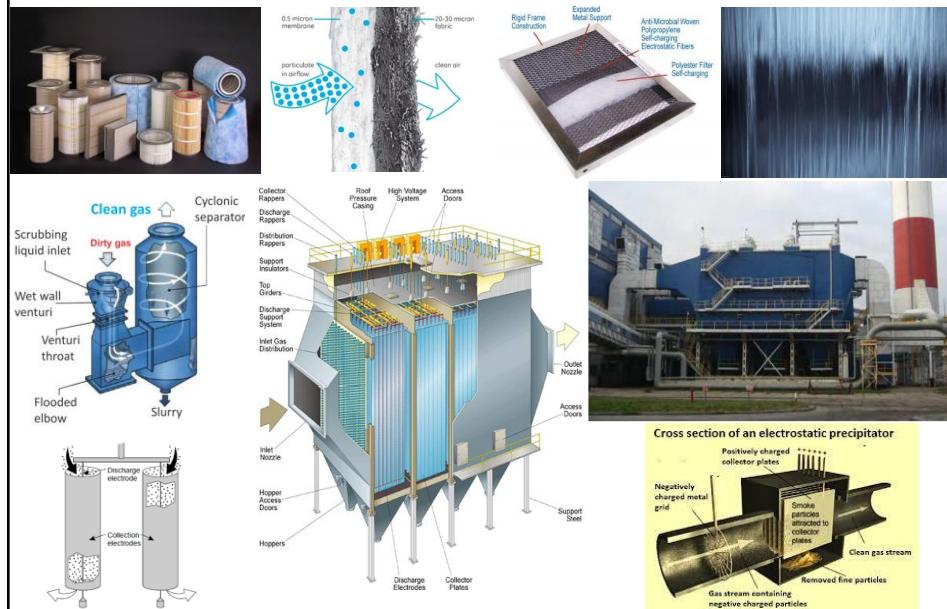
# Omejevanje izpusta aerosolov pri kuirilnih napravah

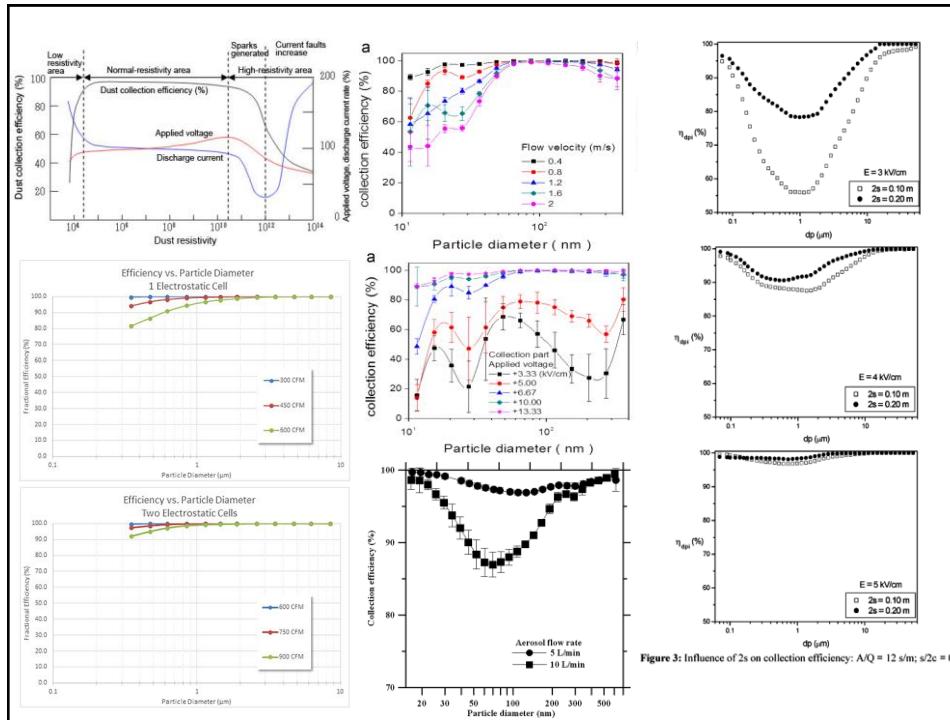
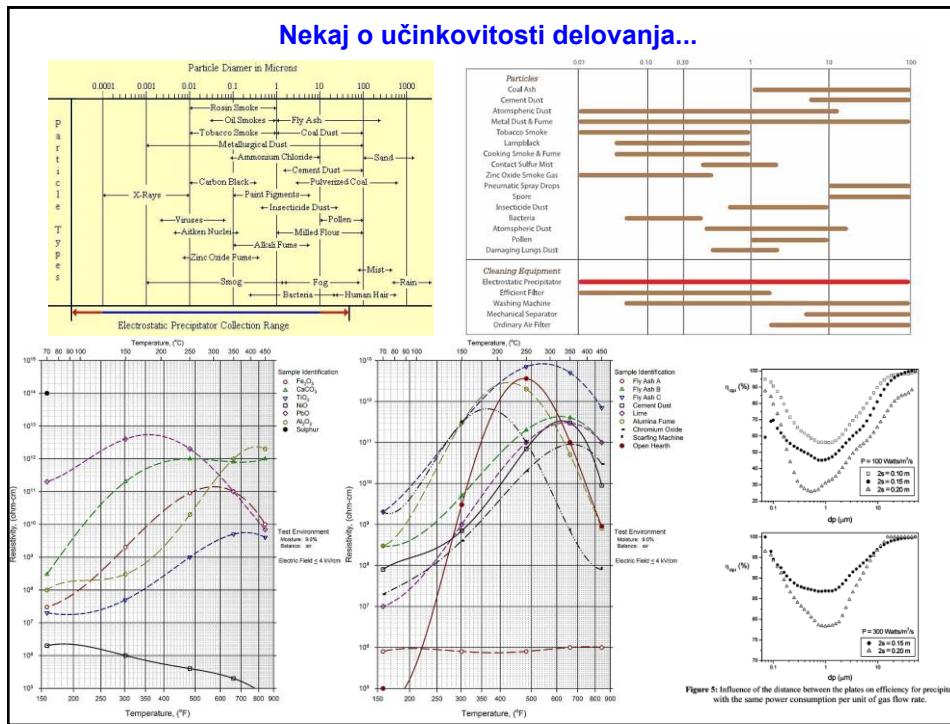


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Esploro

Kaj je na voljo in zakaj je najboljša izbira elektrostatski princip ?

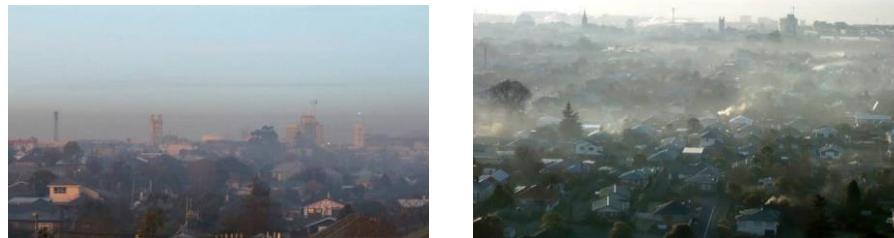




### Kaj je potrebno za implementacijo ?



- Varnost (visoka napetost, visoke temperature...)
- Ergonomija (kompaktnost, enostavna montaža...)
- Tehnični parametri (izkoristek, zmogljivost, frekvenca praznjenja...)
- Povezljivost naprav (kombiniranje s krmilji drugih naprav...)
- Zagotavljanje strokovne podpore in izobraževanj ekipam na terenu
- Pridobitev vseh dovoljenj in certifikatov
- ...



### Hvala za pozornost!

Slike - Nova Zelandija v objemu izpustov iz malih kurišč pozimi



## Reference in viri

- [www.babcock.com](http://www.babcock.com) (Babcock & Wilcox)
- <http://www.hitachi-infra.com.sg/services/energy/dustcollection/principle/dustcollection.html>
- [https://en.wikipedia.org/wiki/Electrostatic\\_precipitator](https://en.wikipedia.org/wiki/Electrostatic_precipitator)
- Braz. J. Chem. Eng. vol. 21, no.2, São Paulo, Apr./June 2004, (S. W. Nóbrega; M. C. R. Falaguastall; J. R. Couryll)
- <https://www.air-quality-eng.com/air-cleaners/mistbuster-advantage/>
- <http://ispatguru.com/air-pollution-control-devices/>
- Use of an electrostatic precipitator with wet-porous electrode arrays for removal of air pollution at a precision manufacturing facility, Changhee Son et al., *Journal of Aerosol Science Volume 100*, October 2016, Pages 118-128
- An Efficient Single-Stage Wet Electrostatic Precipitator for Fine and Nanosized Particle Control, Guan-Yu Lin et al., *Aerosol Science and Technology 44(1)*, January 2010, 38-45
- <https://hongpo.com.sg/amicon-air-cleaner/>
- <http://encyclopedia.che.engin.umich.edu/Pages/SeparationsMechanical/ElectrostaticPrecipitators/ElectrostaticPrecipitators.html>
- [http://www.colinmonteath.com/Colin\\_Monteath/New\\_images/Entries/2010/5/27\\_Smog\\_blog\\_-\\_winter\\_in\\_Christchurch%2C\\_New\\_Zealand.html](http://www.colinmonteath.com/Colin_Monteath/New_images/Entries/2010/5/27_Smog_blog_-_winter_in_Christchurch%2C_New_Zealand.html)
- <https://www.stuff.co.nz/environment/82329452/canterbury-unlikely-to-meet-air-quality-standards>
- <https://www.stuff.co.nz/timaru-herald/news/81338030/air-pollution-standards-again-breached-in-timaru>
- <https://oe.finance.si/8861711>
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