

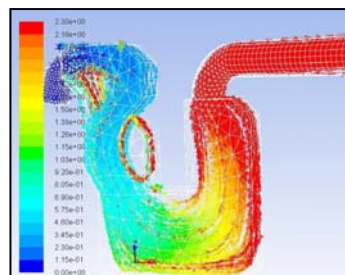
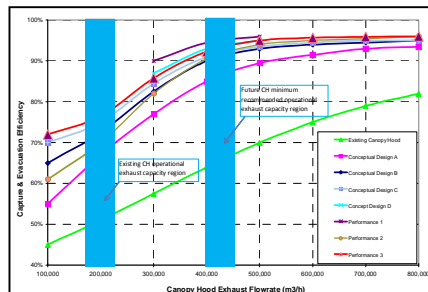
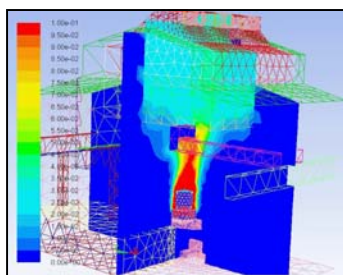
Fume System Control Engineering Solutions

Tenova Goodfellow's multidisciplinary team of specialists offer cutting edge full consulting and engineering solutions to support the Iron and Steel Industry. With extensive industry knowledge and focus on performance, our team can successfully address issues associated with current as well as long term future industry requirements.

TGI's Air Pollution Control initiative is directed by Dejan Zrelec, P.Eng, who has over 20 years of international experience working directly with steel plants on fume system control & optimization, process performance and related equipment design.

Specialized Process Gas Cleaning and Air Pollution Control Services

- ◆ Conducting new and existing fume control system performance assessment and troubleshooting
- ◆ Performing computer simulations and analyses of related operations to generate accurate design basis for related furnace practice and indicated off-gas analysis
- ◆ Related equipment full process and design engineering scope from the concept stage all the way to the installed system controls tune up (including water cooled ductwork, combustion, spray and mixing chambers, dry ductwork, coolers, all the way the top of the chimney)
- ◆ Computational Fluid Dynamics (CFD) Modeling to evaluate performance and aid design perfection with cost effective 'what if scenarios' for all related equipment and processes
- ◆ Services for EAF optimization and improved energy efficiencies



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Specialized Services Delivered in Several Formats

- ◆ Process studies and assessments, including system performance analysis
- ◆ Conceptual designs, including economic feasibility and assessments
- ◆ Basic and detail design for competitive contractor bidding
- ◆ Commissioning, tune-up and start-up services, including performance testing

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