

Programm Lebensgrundlage Umwelt
und ihre Sicherung (BWPLUS)

**Qualitätsgerechte und effektive Maßnahmen zur Luftreinhaltung in
handwerklichen und industriellen Lackierereien**

Anhang

J. Domnick, A. Scheibe, R. Hruschka, D. Ondratschek
Institut für Industrielle Fertigung und Fabrikbetrieb
Universität Stuttgart

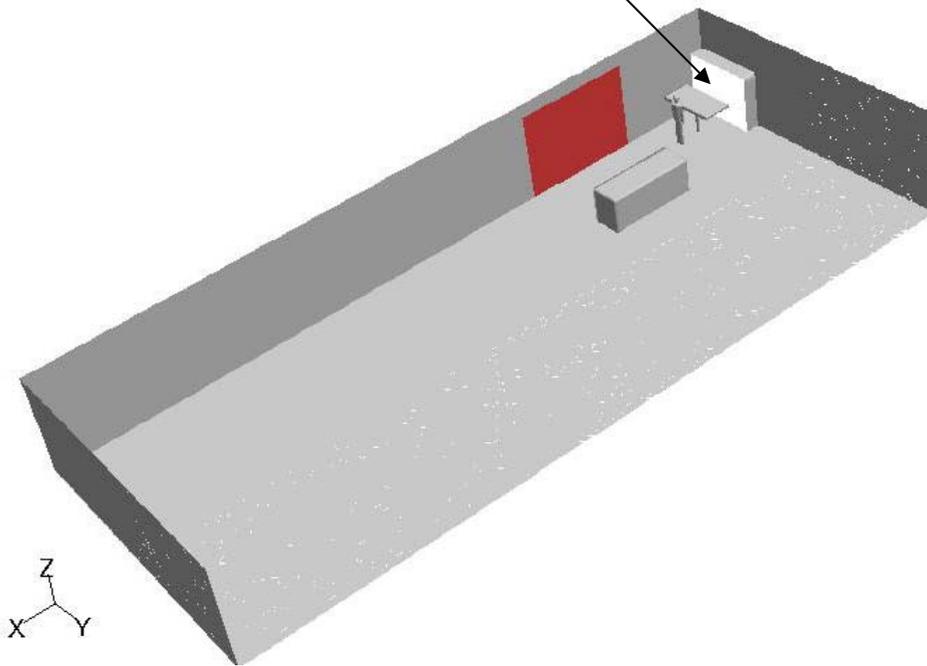
Förderkennzeichen: BW D 21001

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Mitteln des Landes Baden-Württemberg gefördert

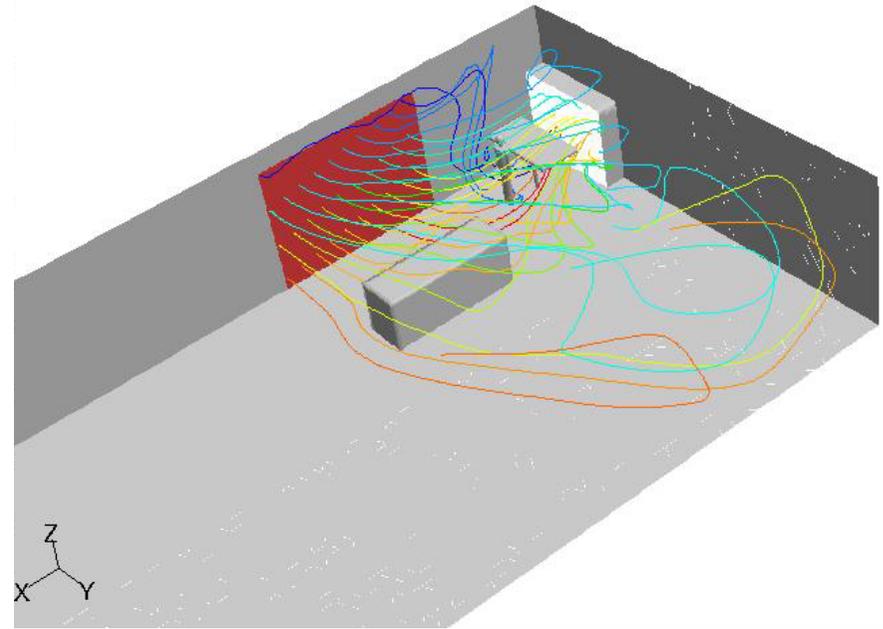
Oktober 2003

Kategorie A / Variante 1

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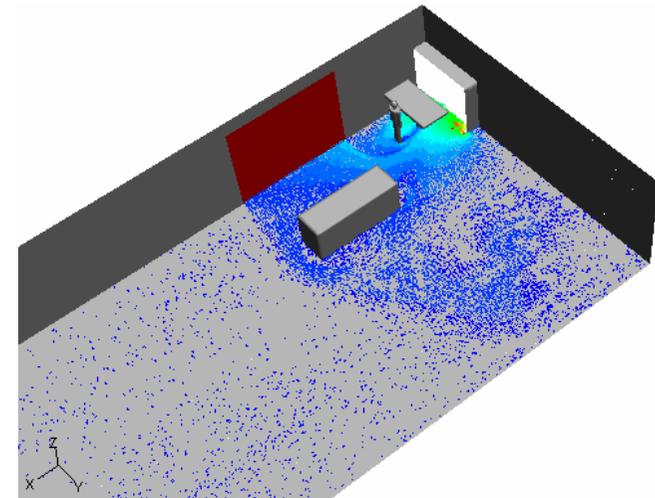
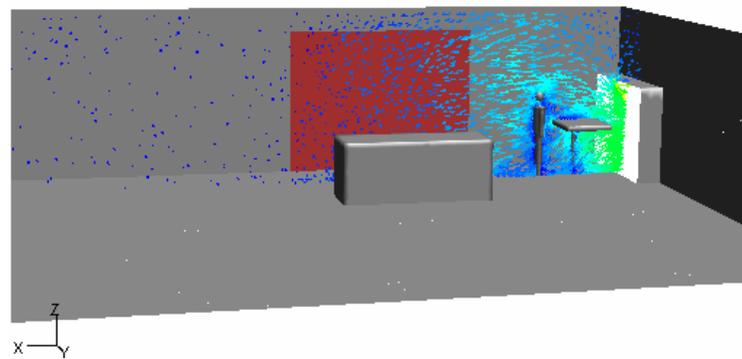
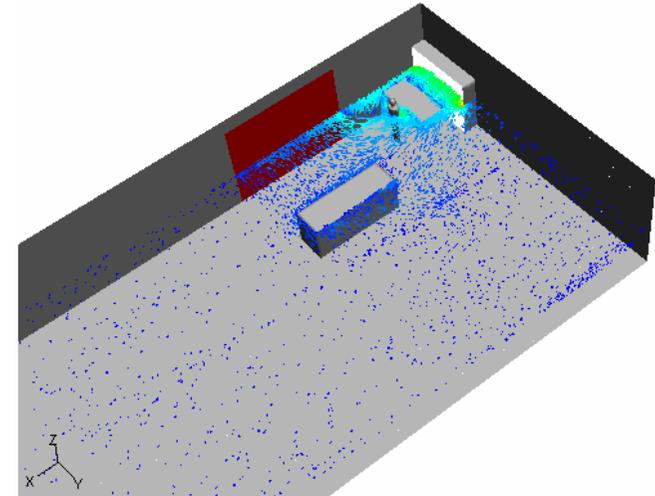
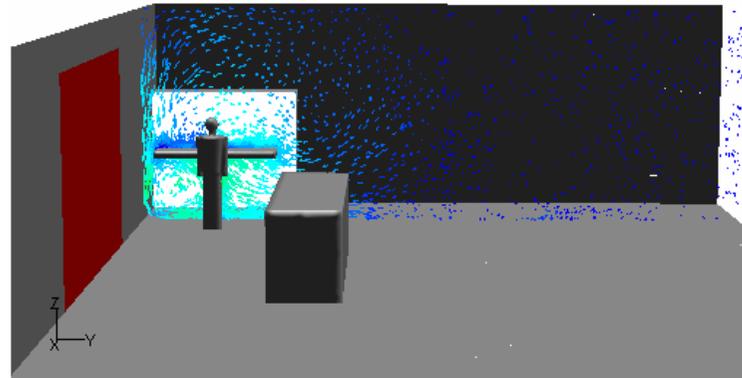
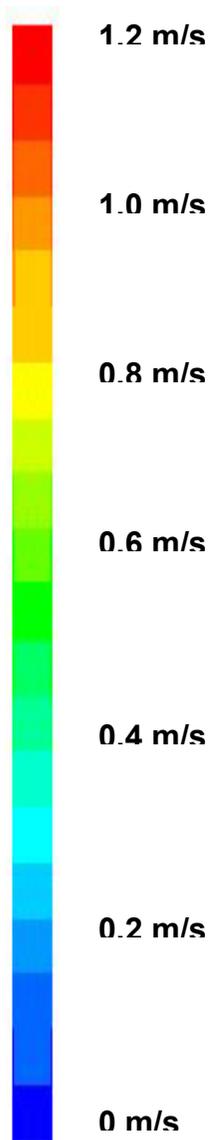


Raumdarstellung



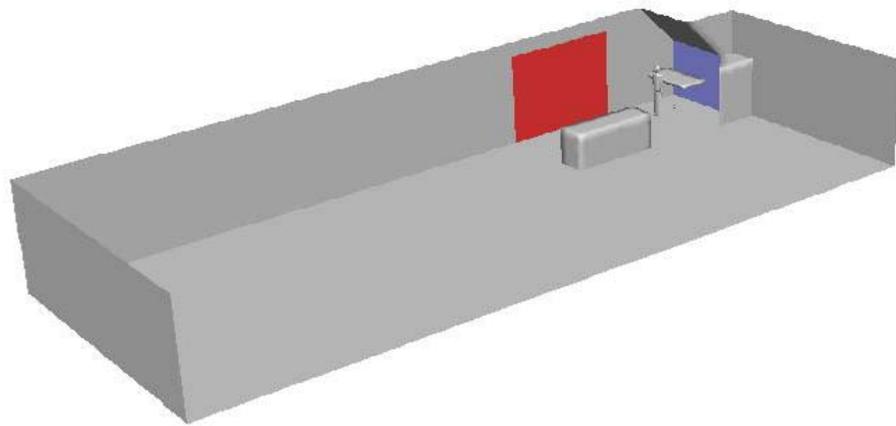
Strömungswege

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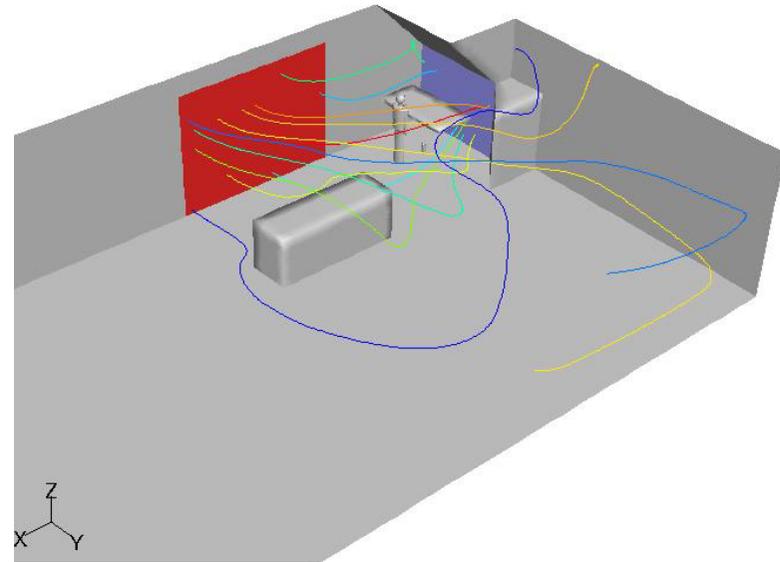


Schnittebenen mit Geschwindigkeitsvektoren

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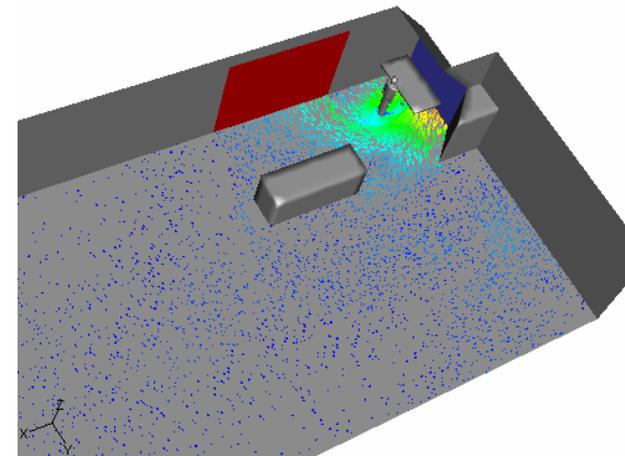
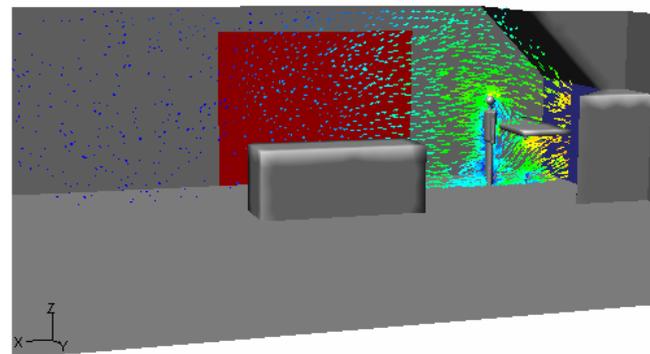
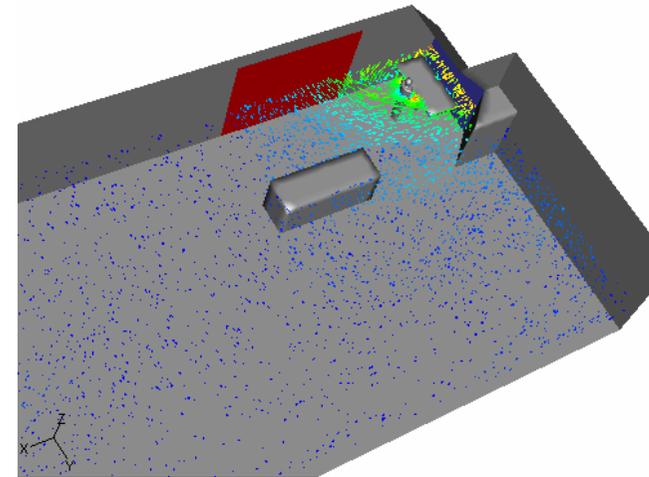
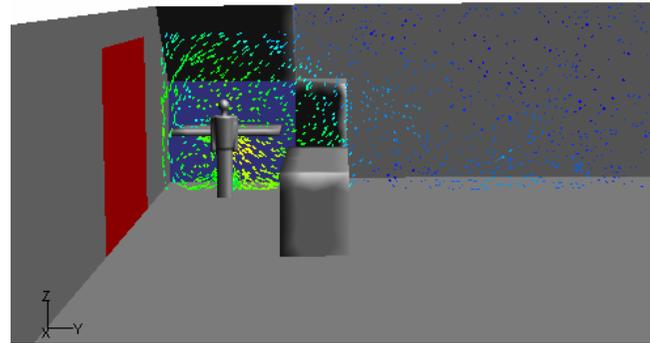
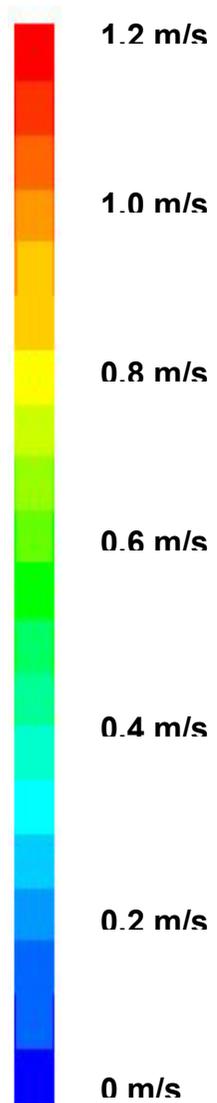


Raumdarstellung



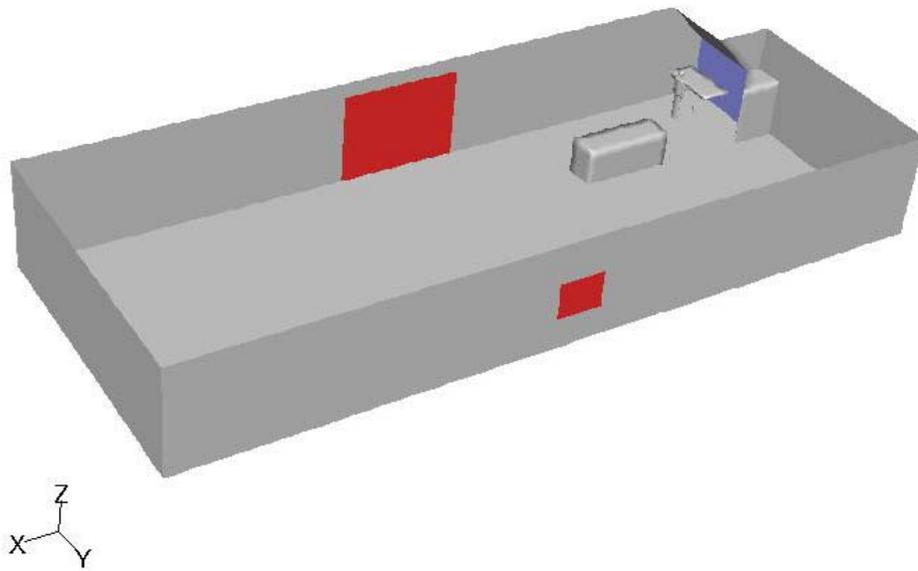
Strömungswege

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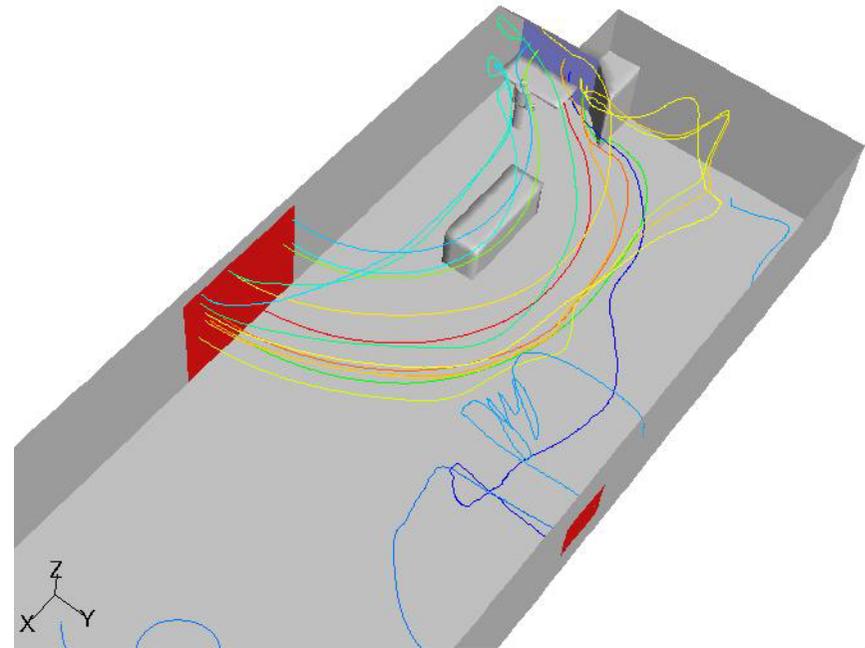


Schnittebenen mit Geschwindigkeitsvektoren

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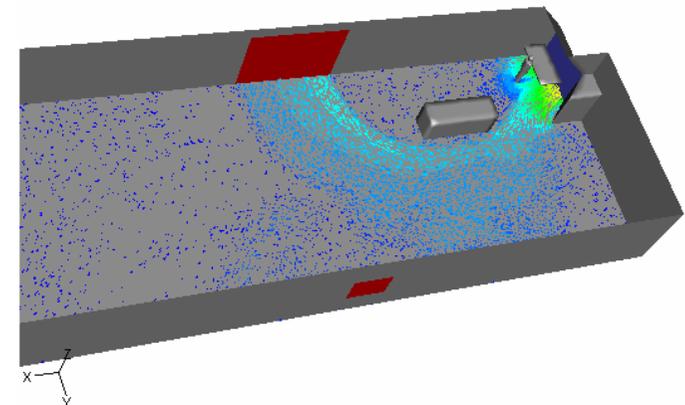
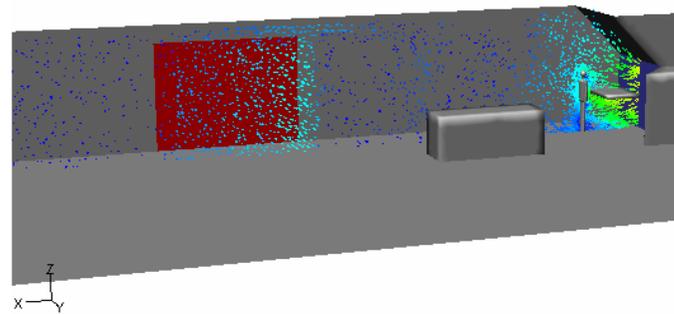
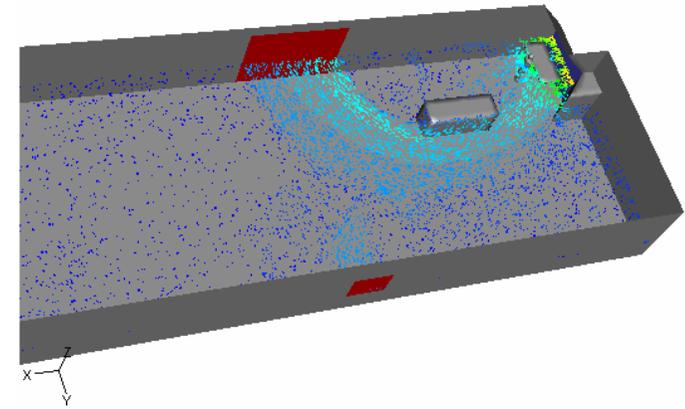
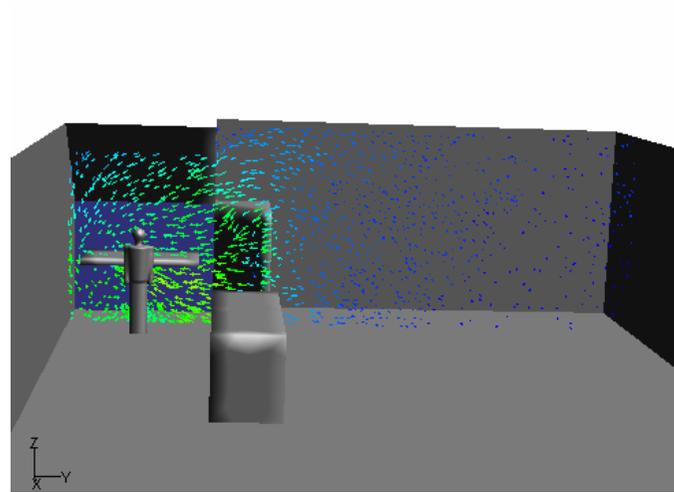
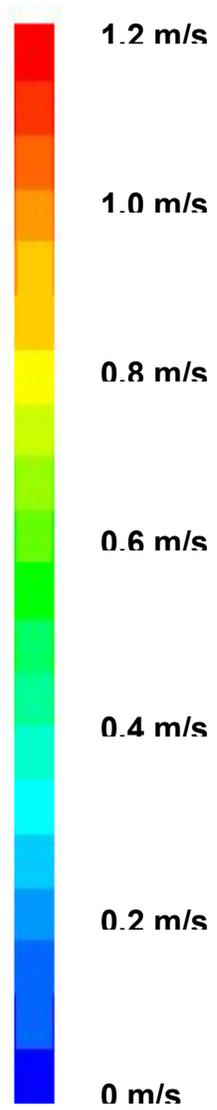


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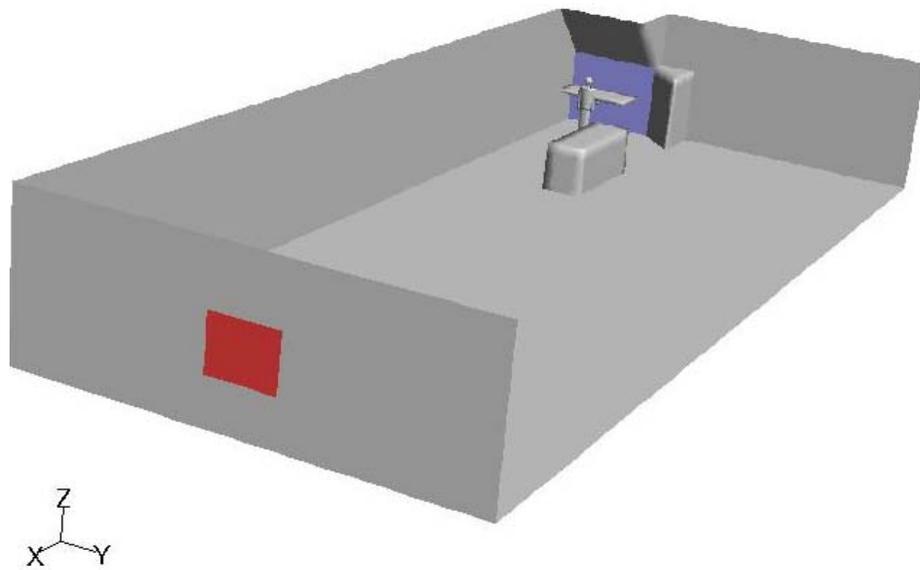
Strömungswege

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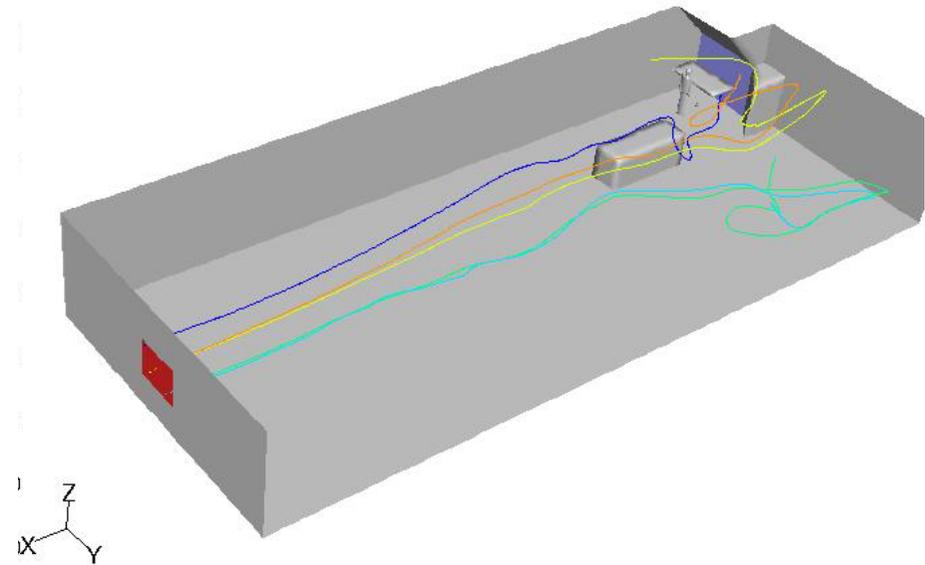


Schnittebenen mit Geschwindigkeitsvektoren

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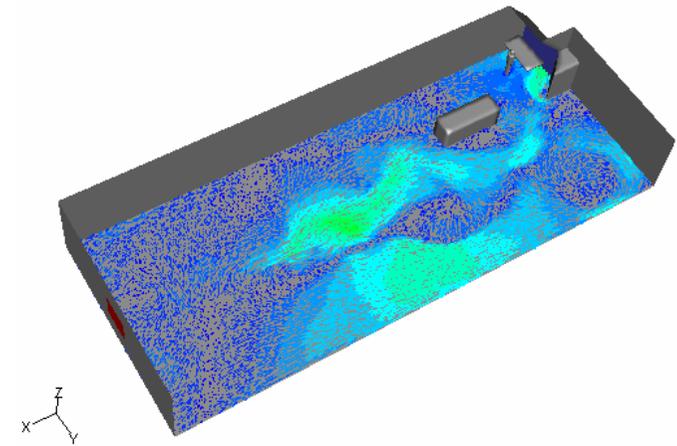
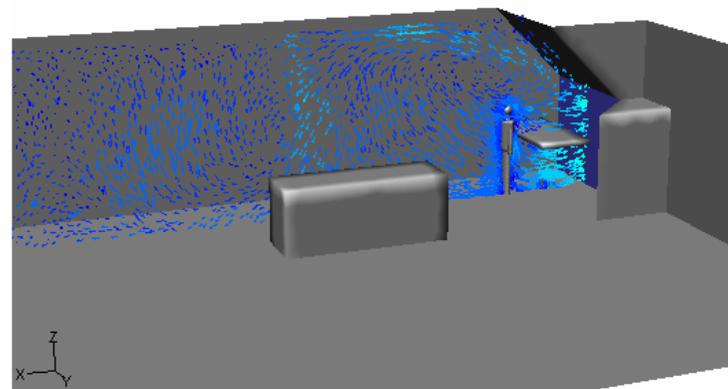
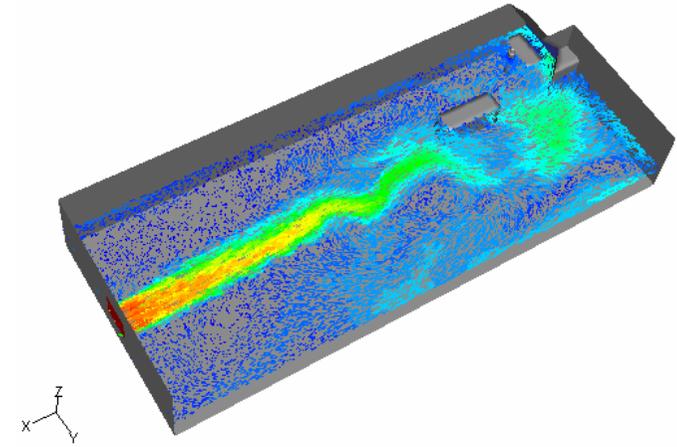
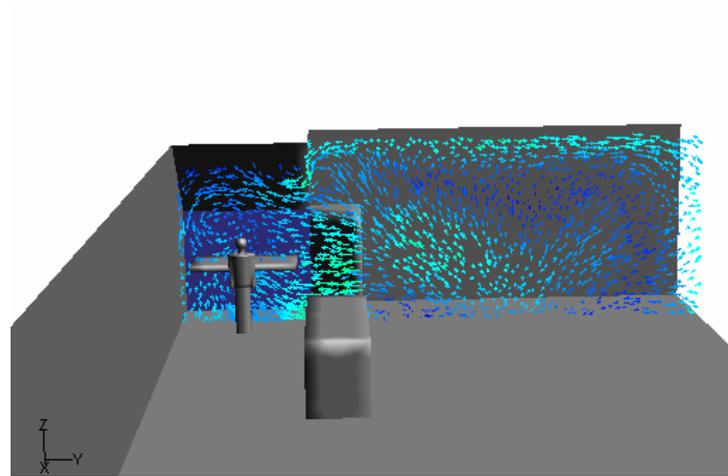
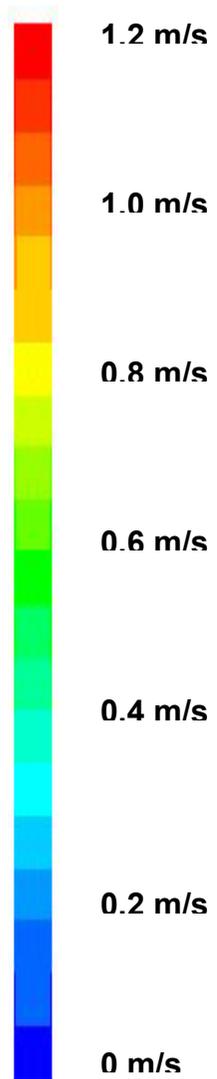


Raumdarstellung



Strömungswege

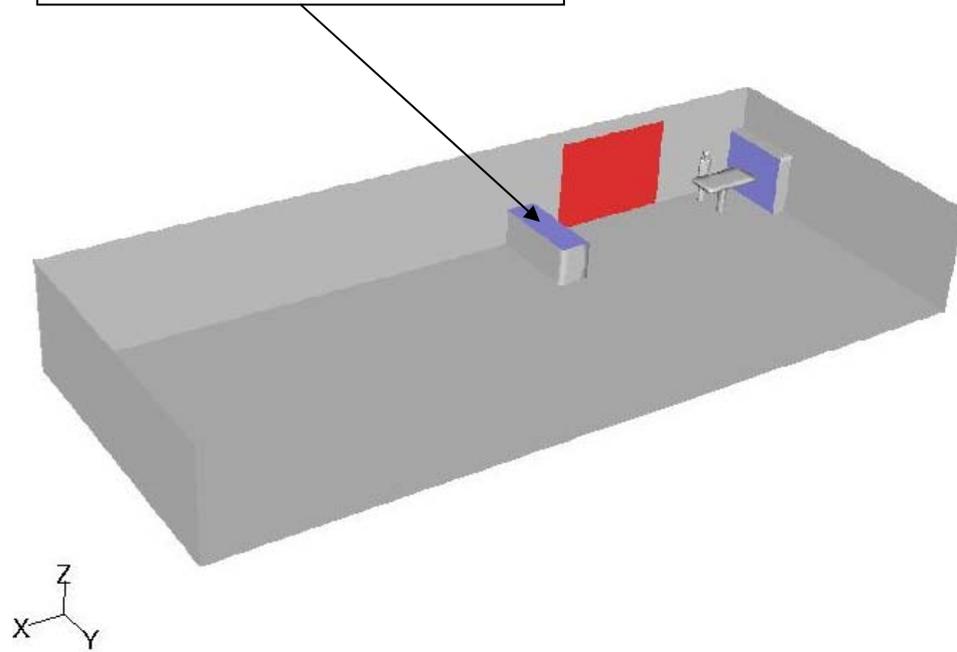
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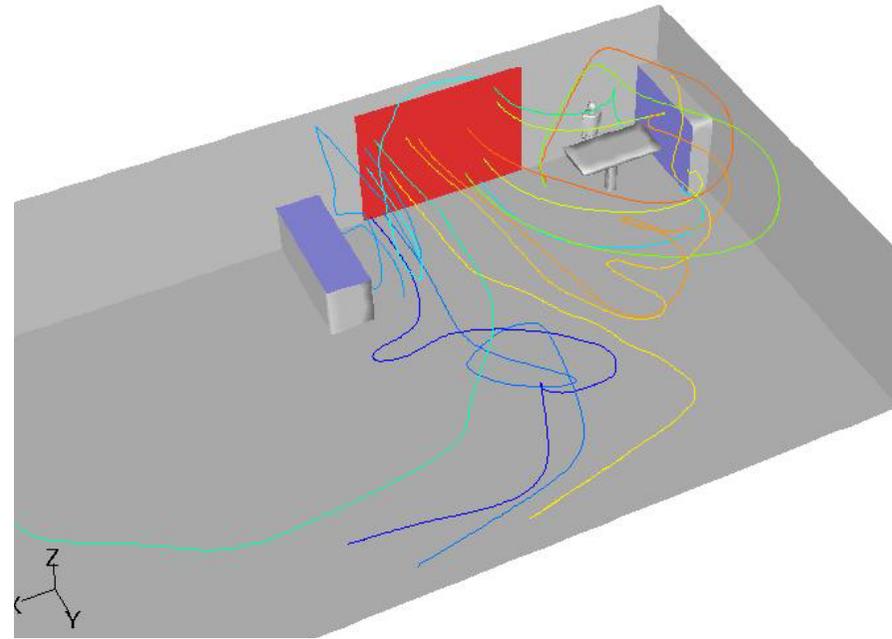
Schnittebenen mit Geschwindigkeitsvektoren

Kategorie A / Variante 6

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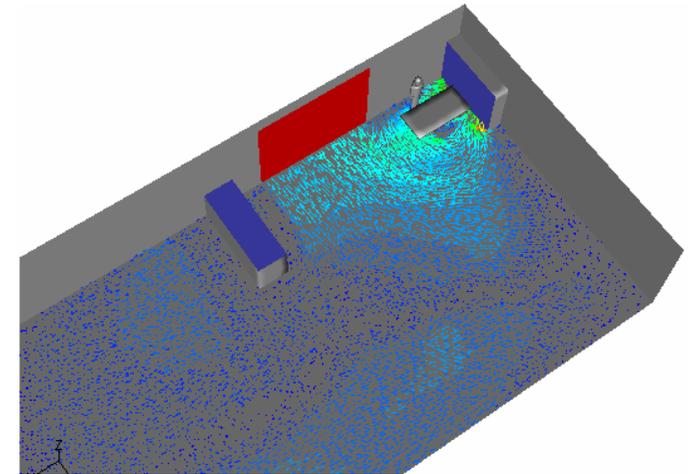
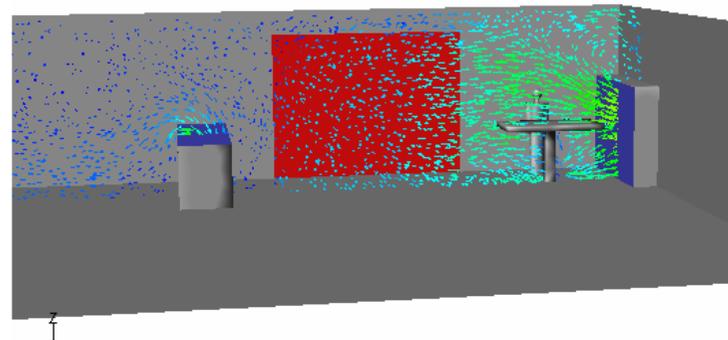
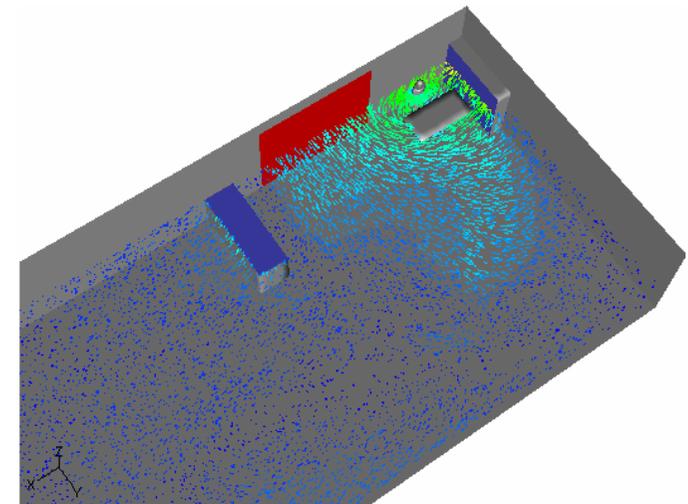
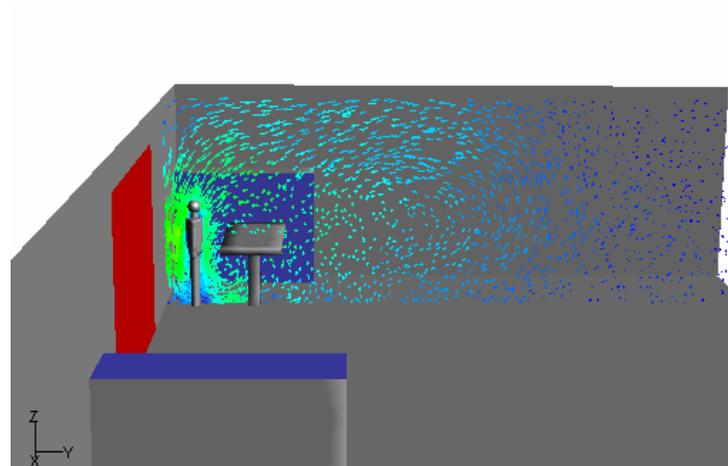
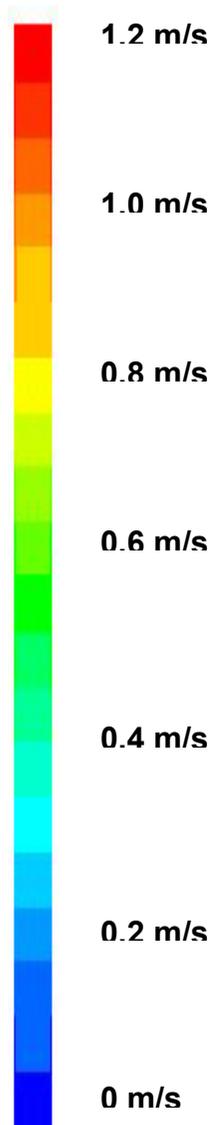


Raumdarstellung



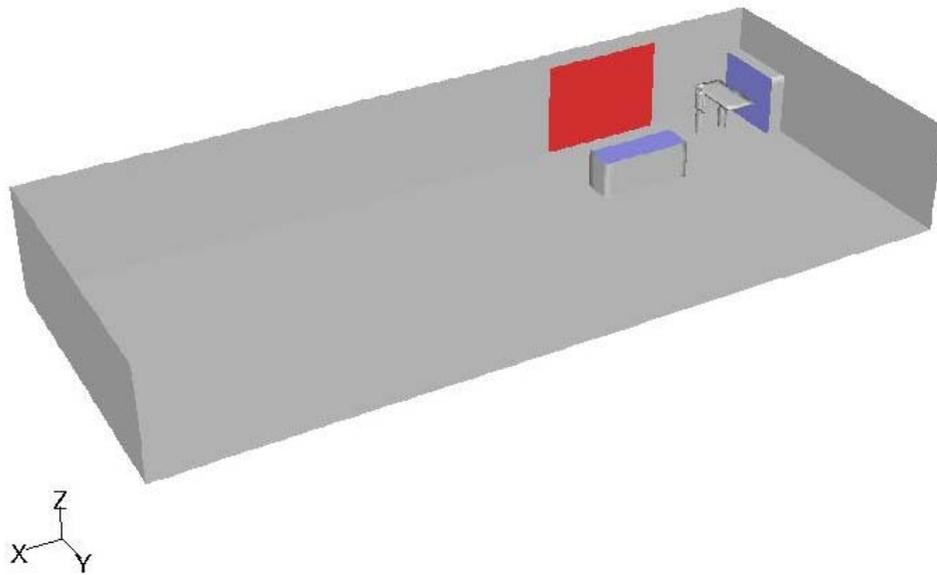
Strömungswege

Kategorie A / Variante 6

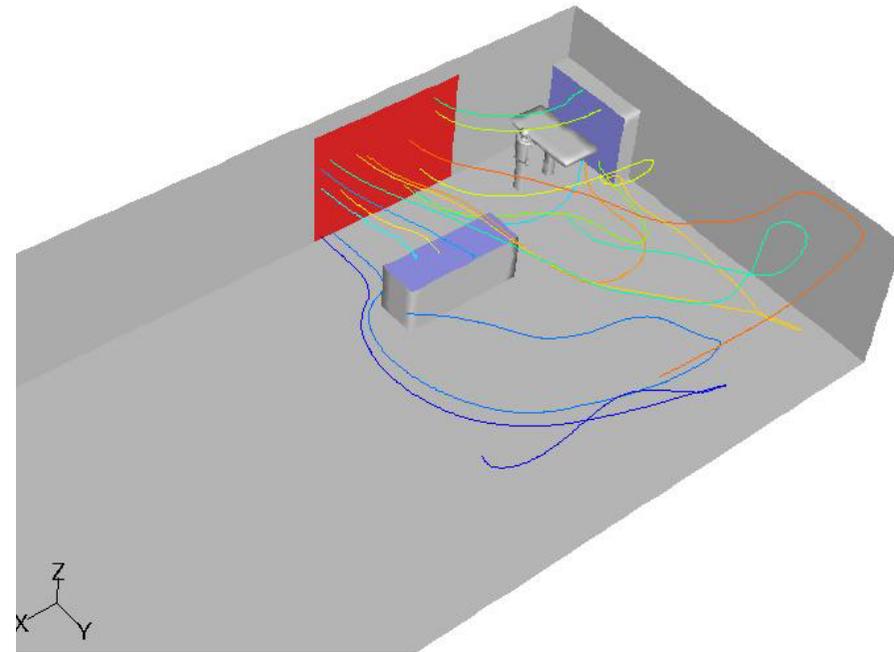


Schnittebenen mit Geschwindigkeitsvektoren

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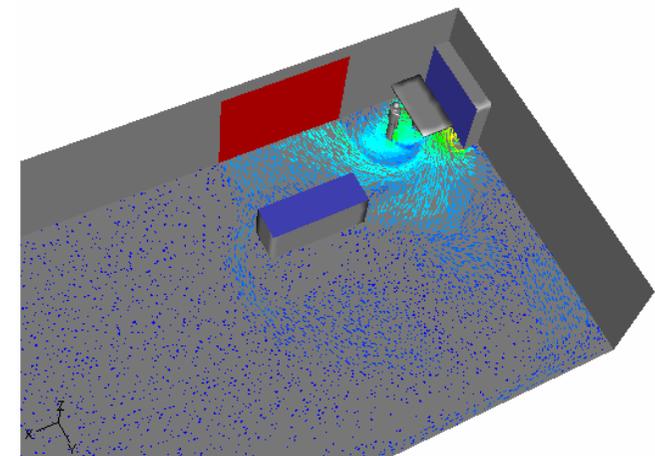
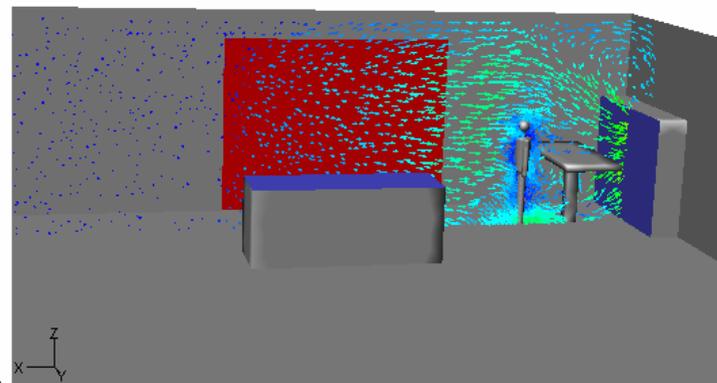
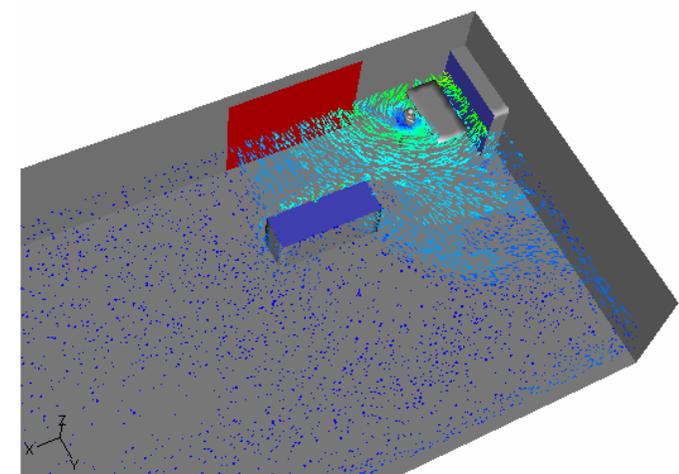
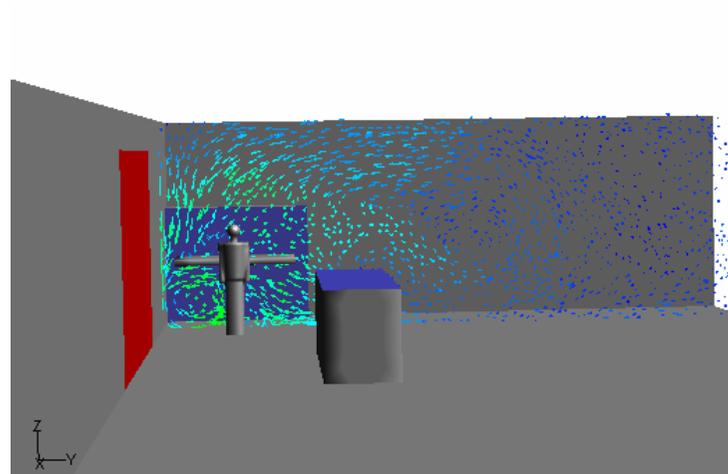
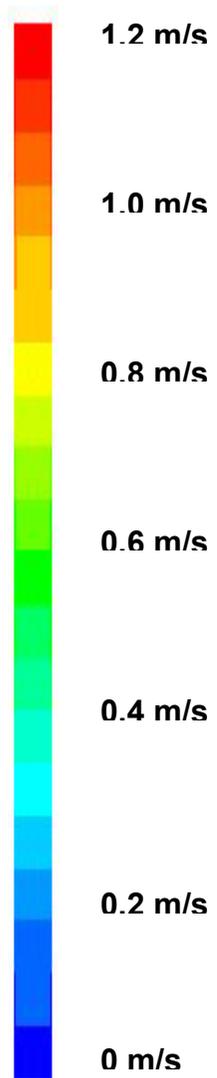


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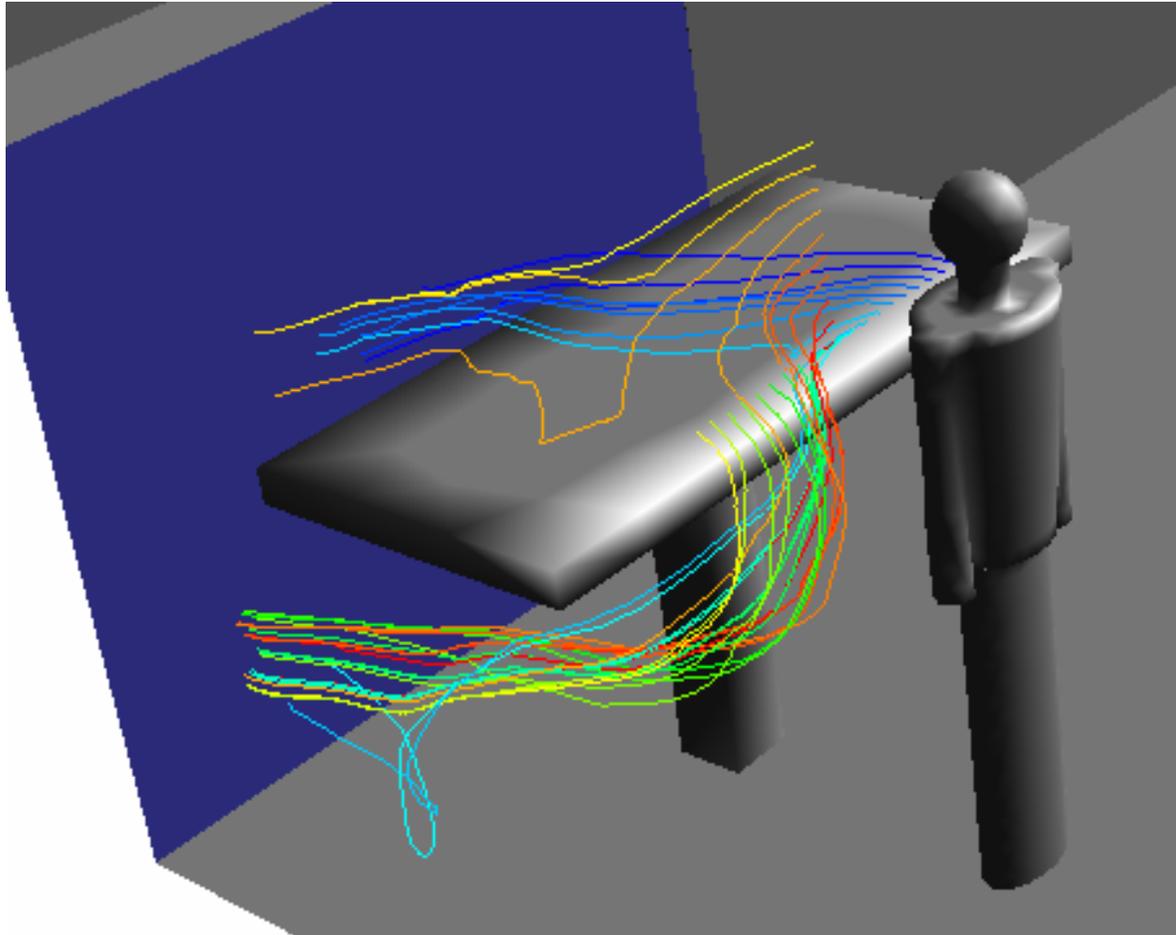
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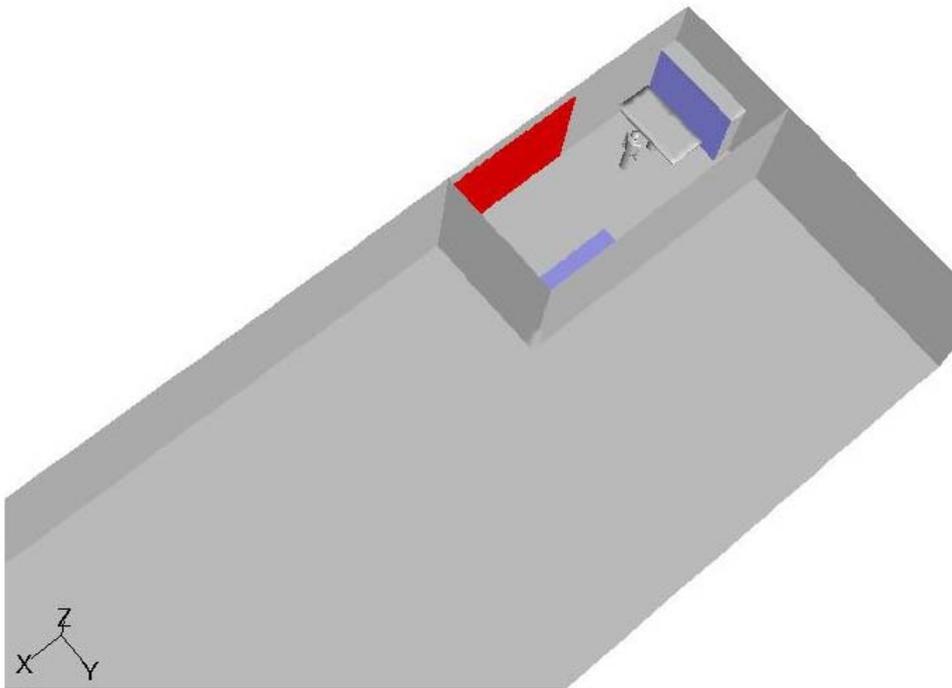
Schnittebenen mit Geschwindigkeitsvektoren

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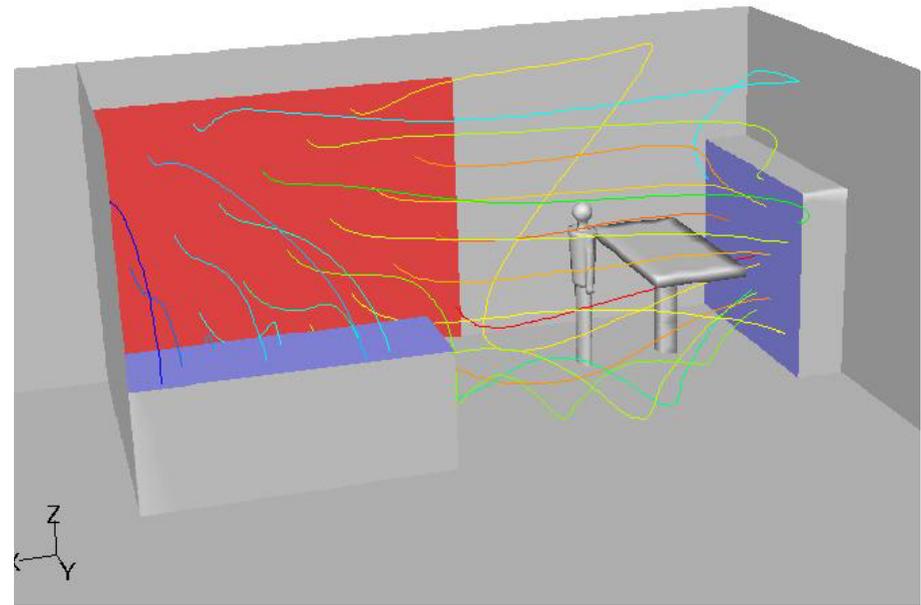


Strömungswege im Arbeitsbereich

Kategorie A / Variante 8

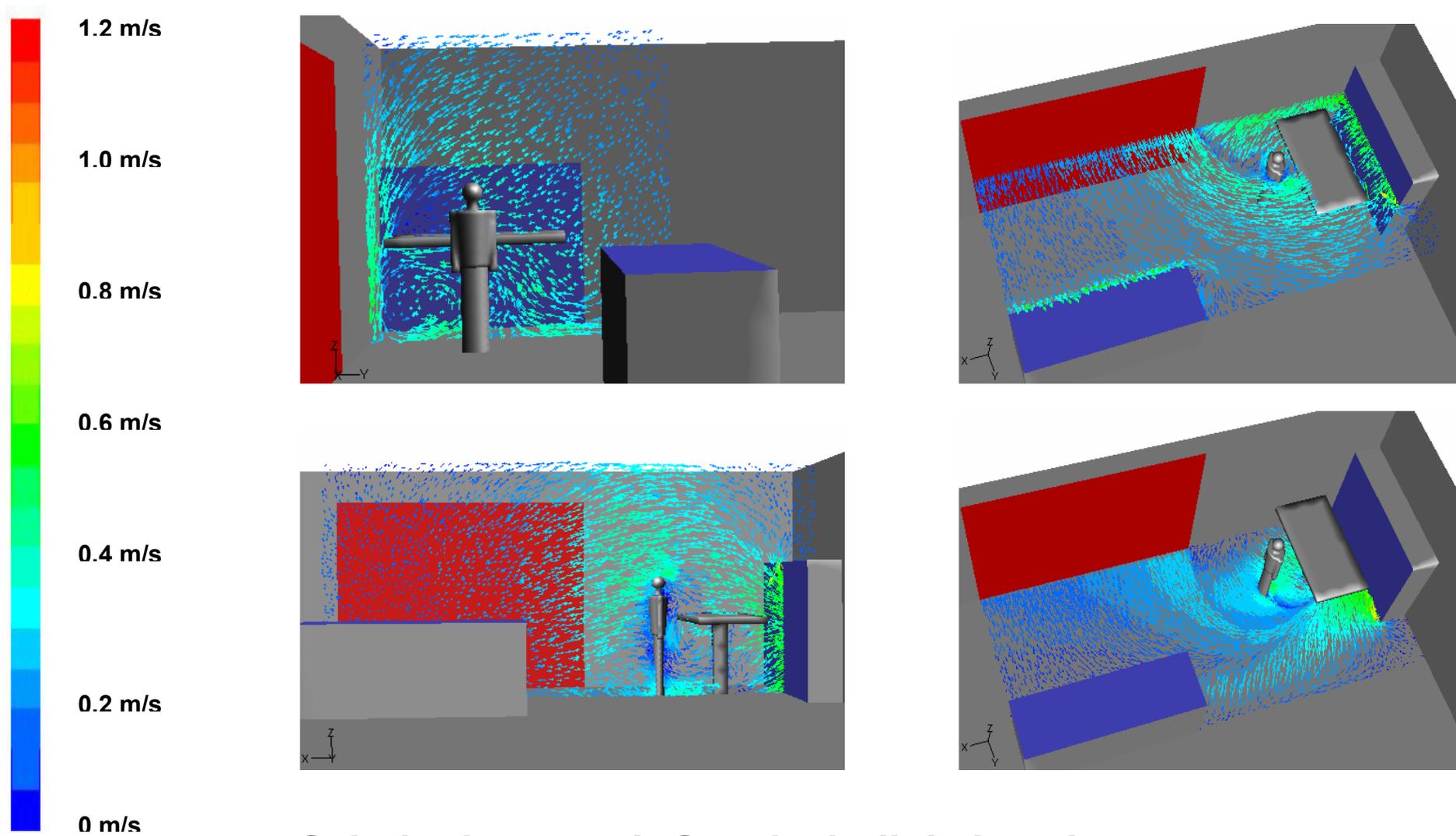


Raumdarstellung



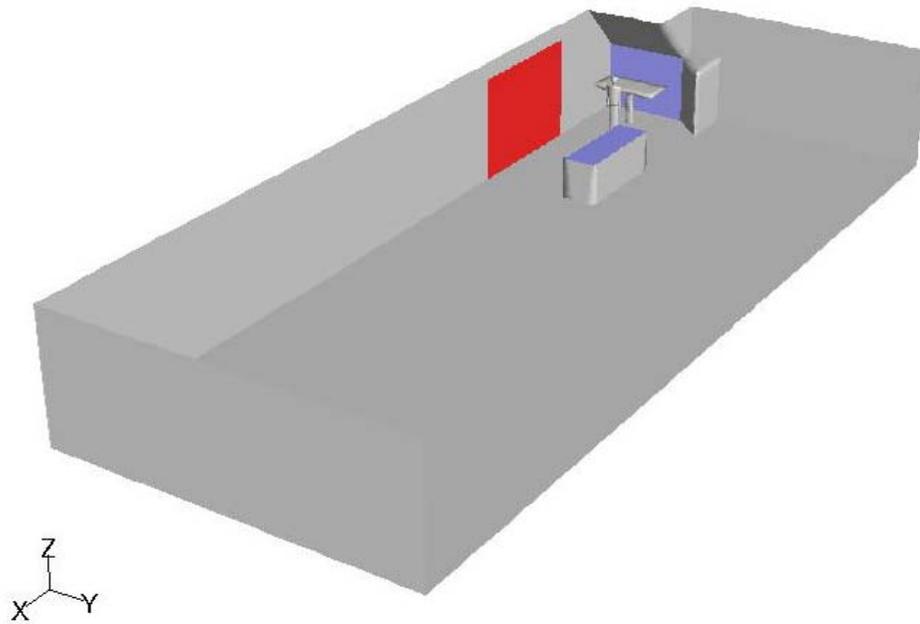
Strömungswege

Kategorie A / Variante 8

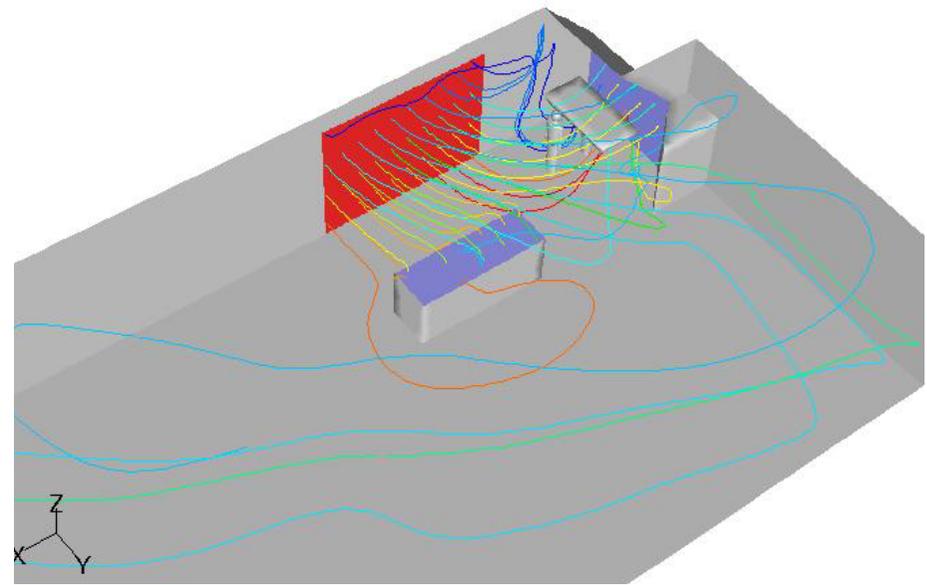


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie A / Variante 9

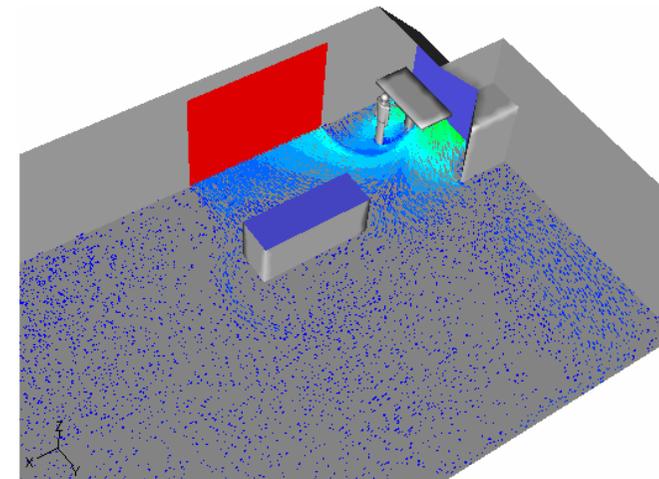
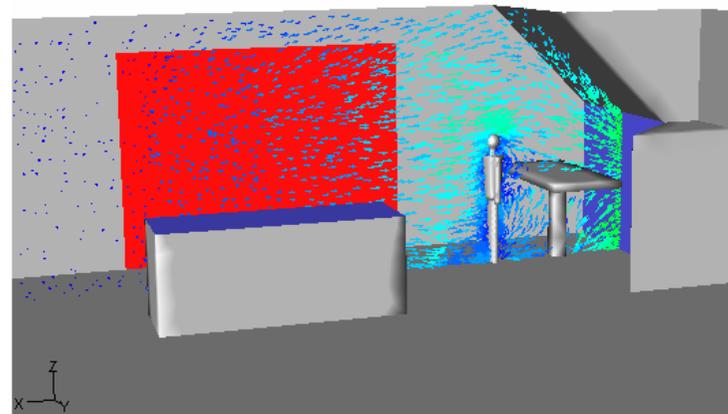
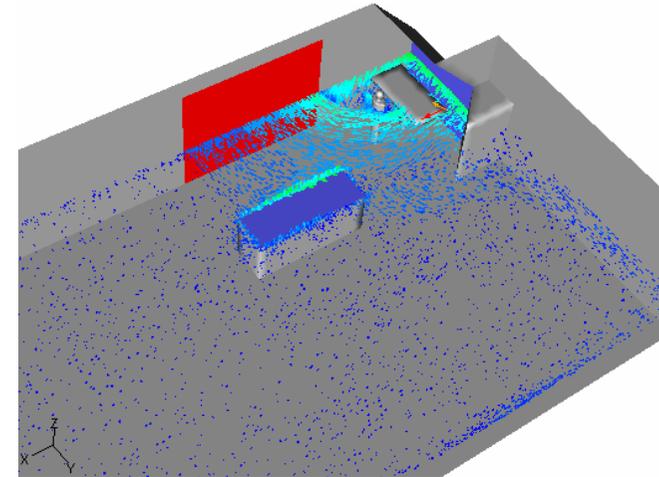
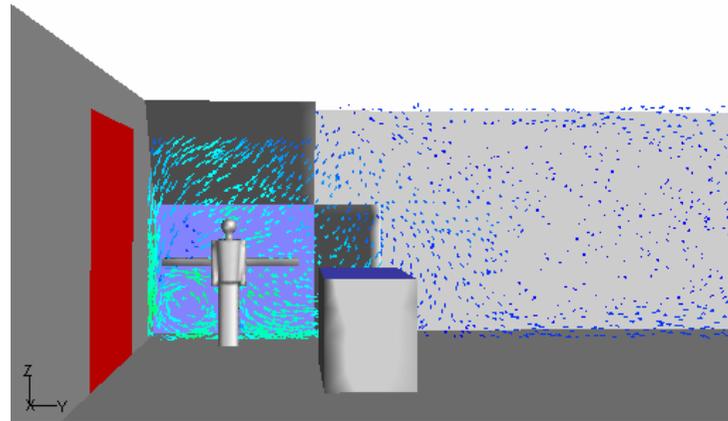
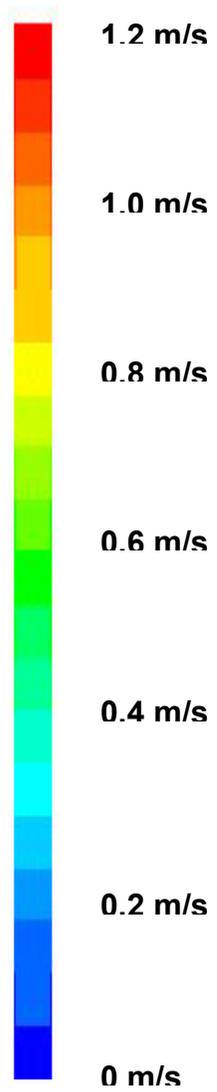


Raumdarstellung



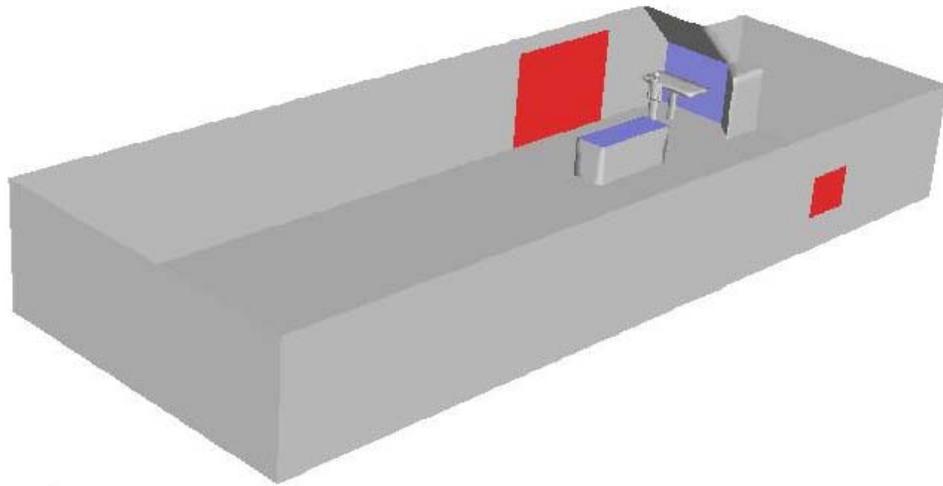
Strömungswege

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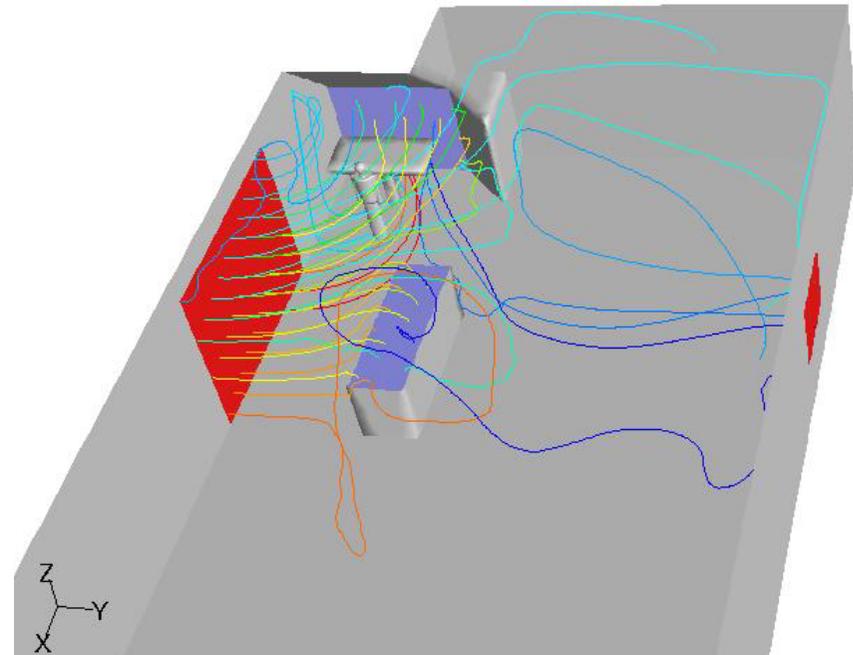


Schnittebenen mit Geschwindigkeitsvektoren

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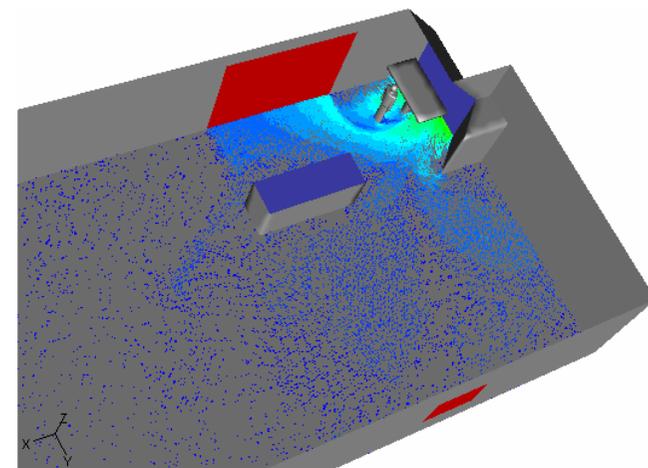
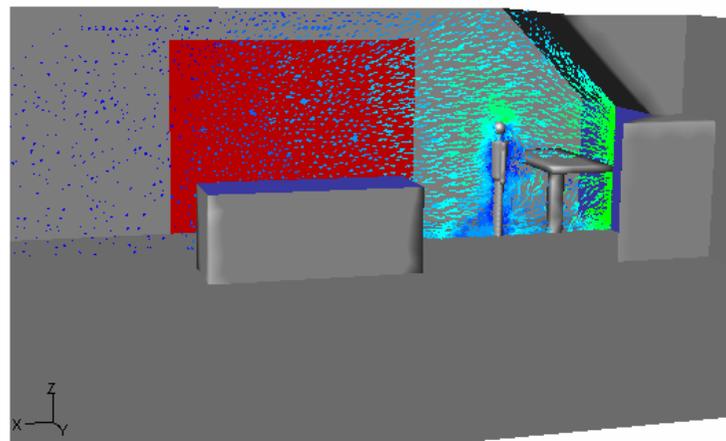
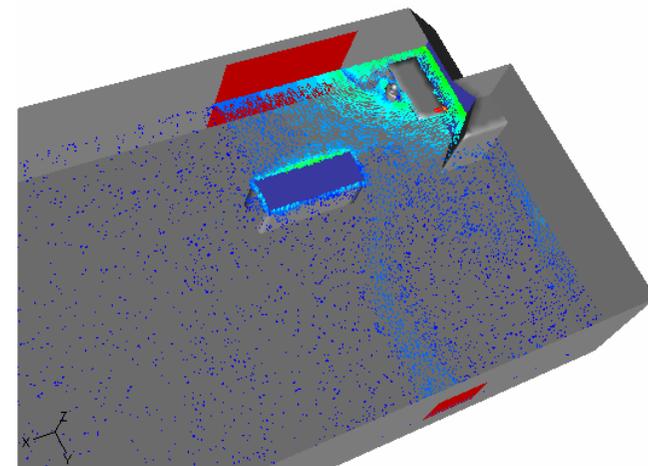
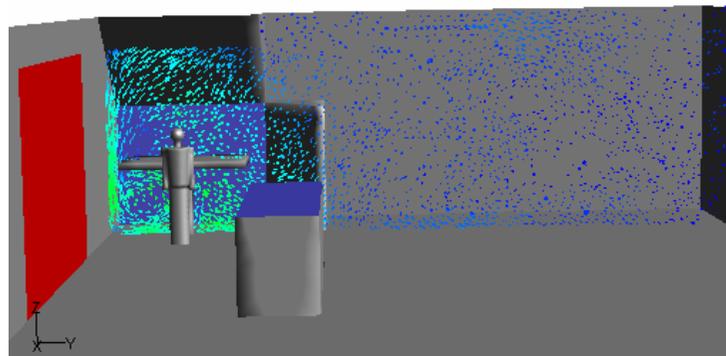
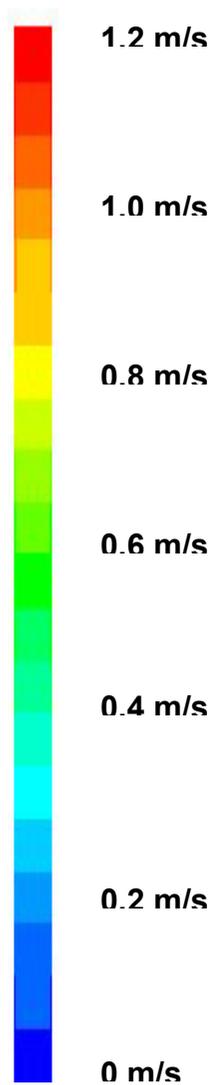


Raumdarstellung



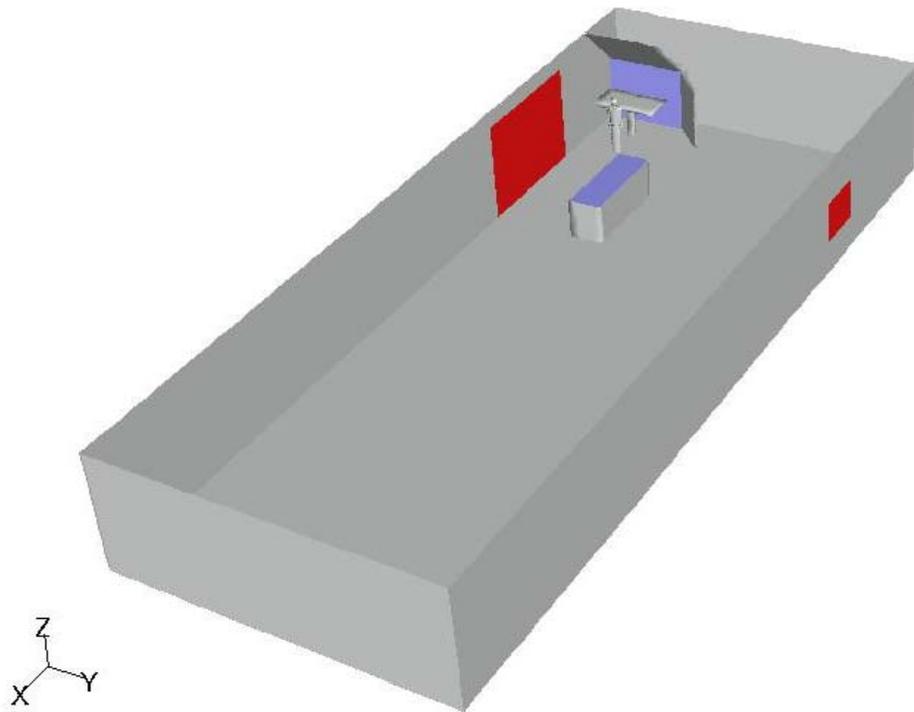
Strömungswege

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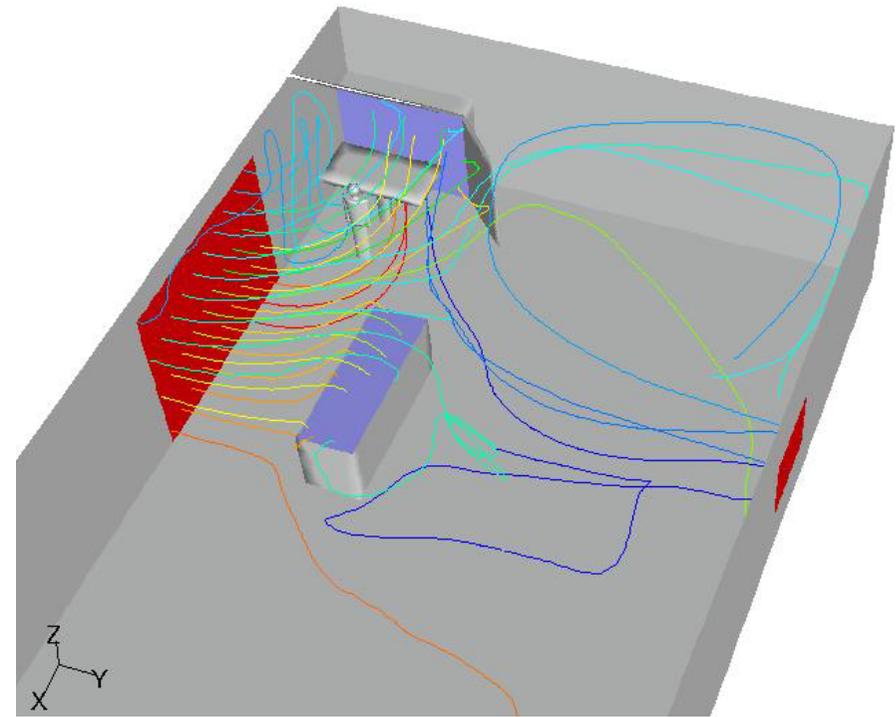


Schnittebenen mit Geschwindigkeitsvektoren

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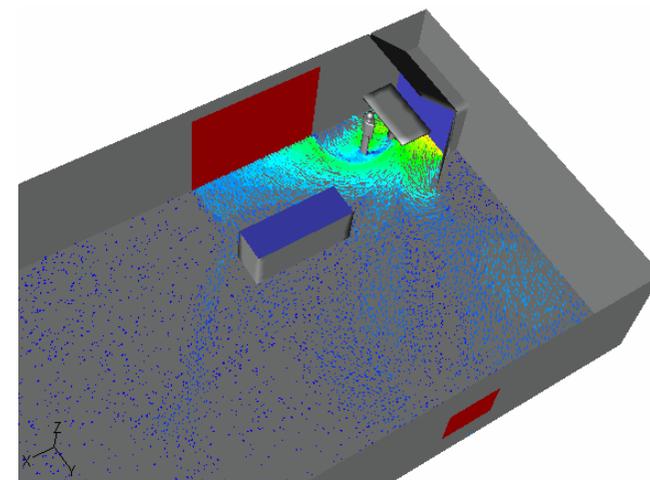
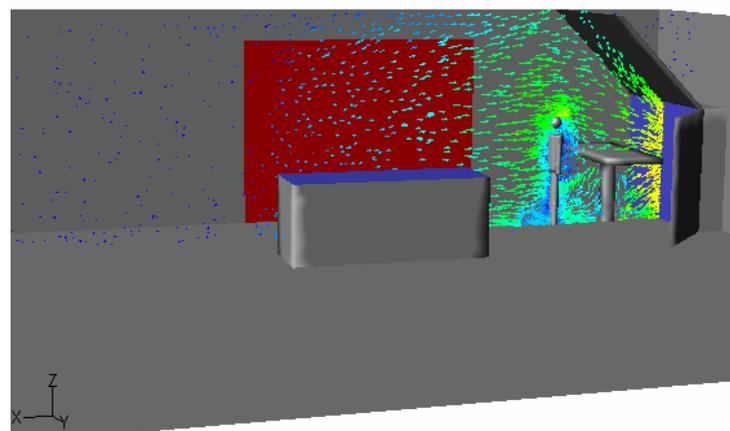
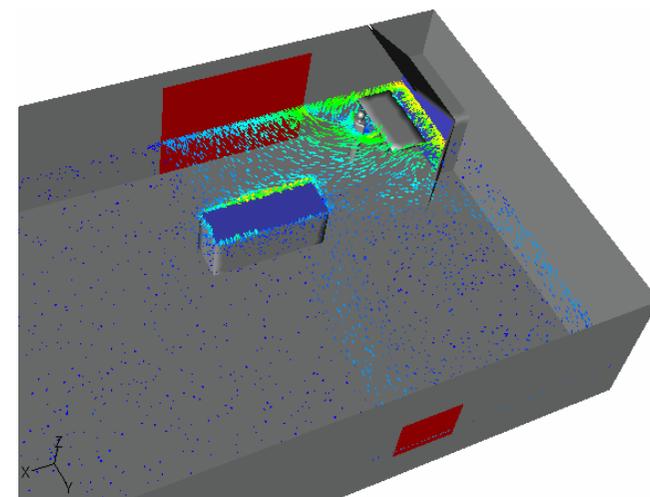
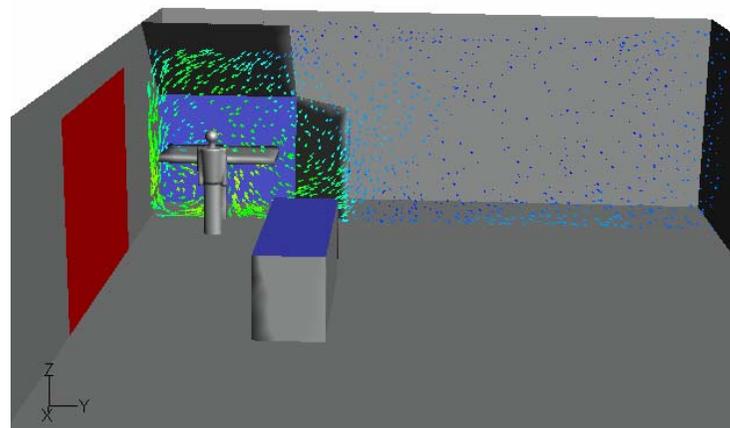
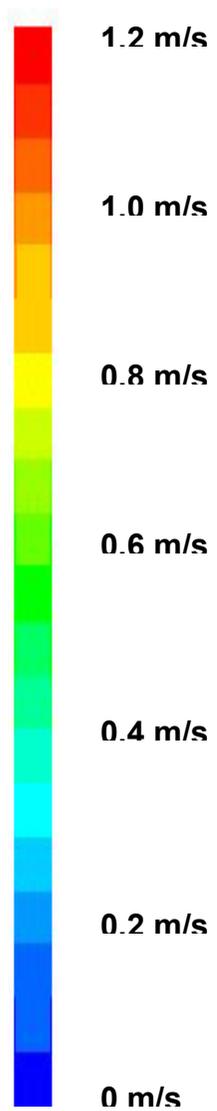


Raumdarstellung



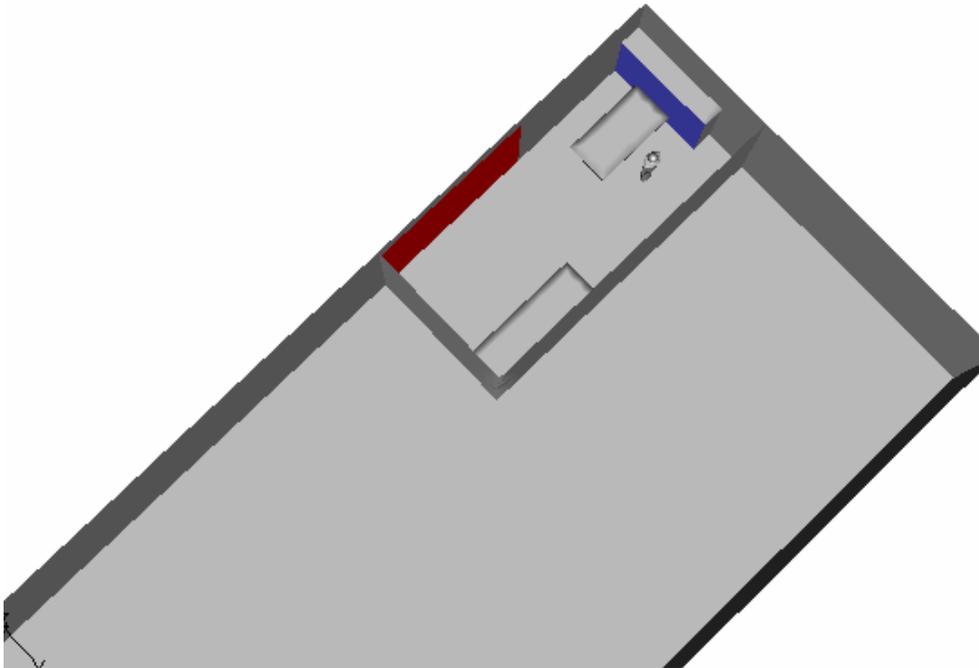
Strömungswege

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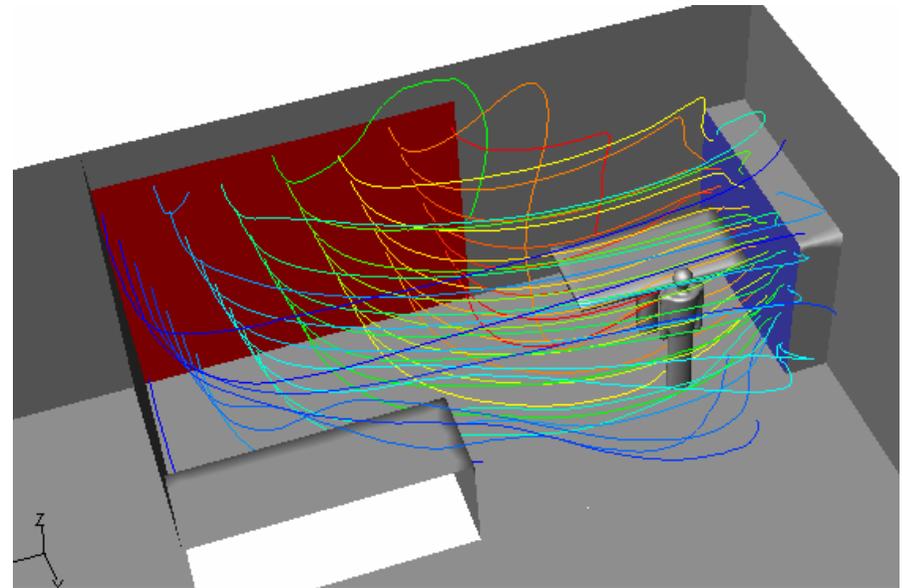


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie A / Variante 12

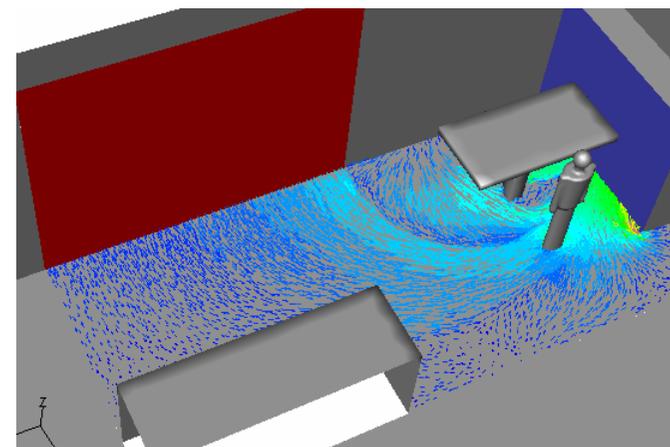
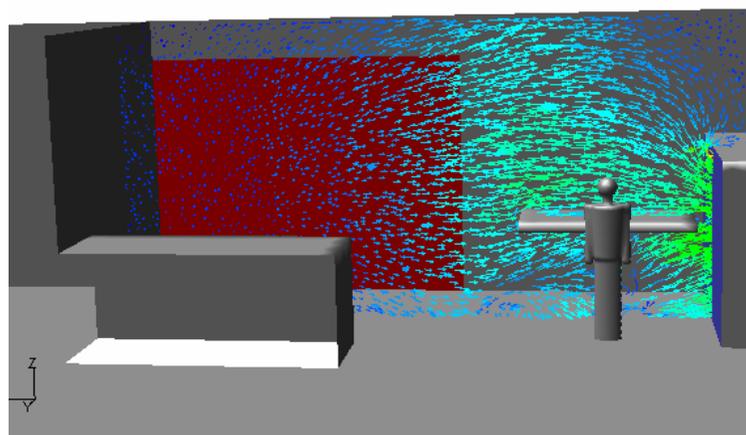
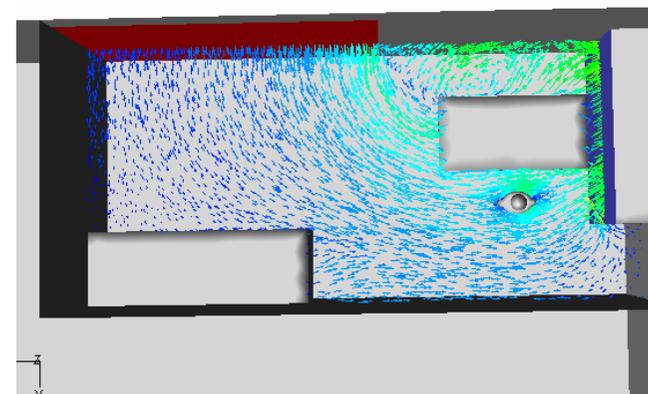
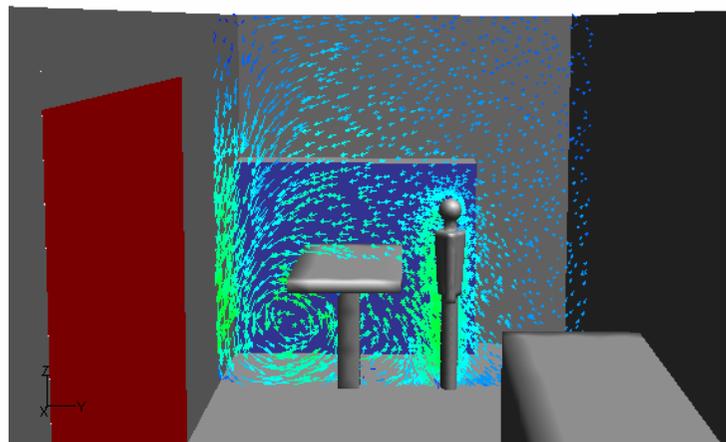
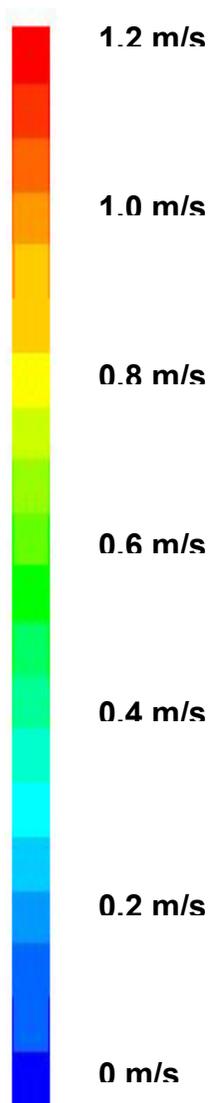


Raumdarstellung



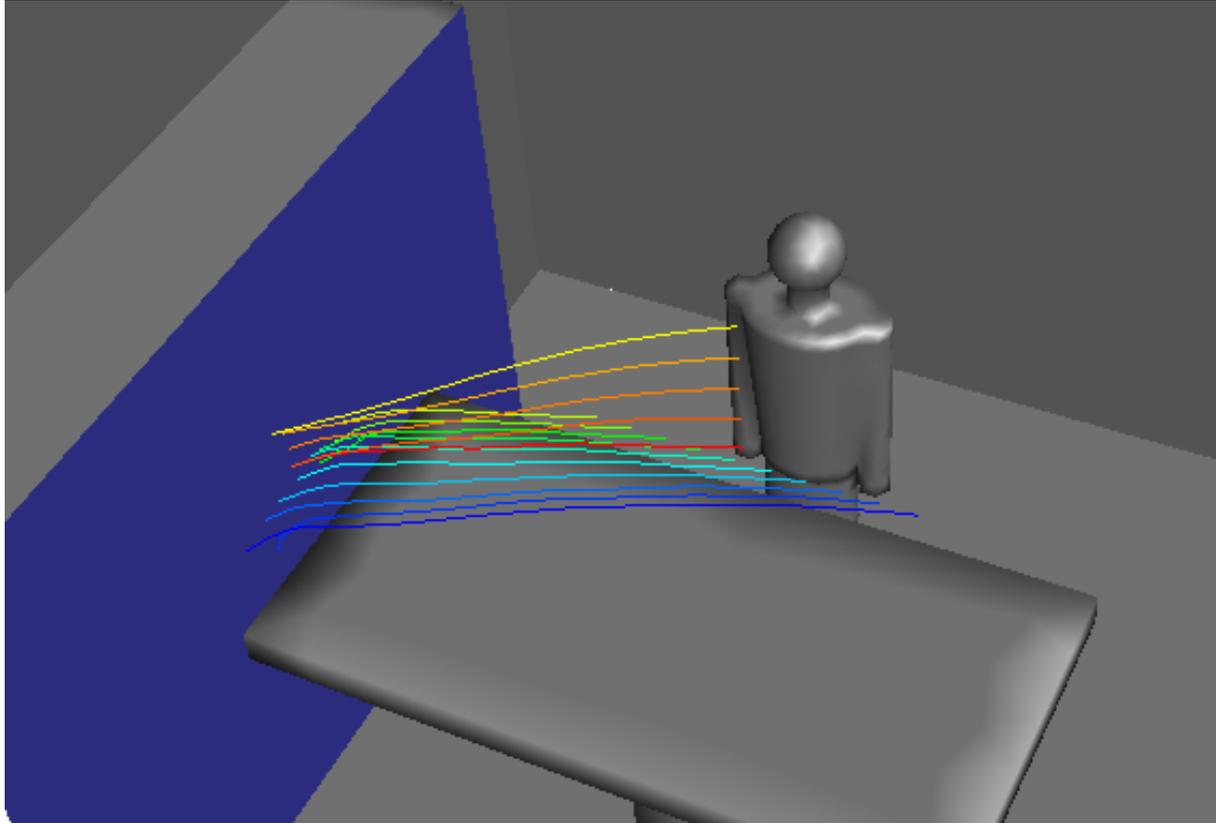
Strömungswege

Kategorie A / Variante 12



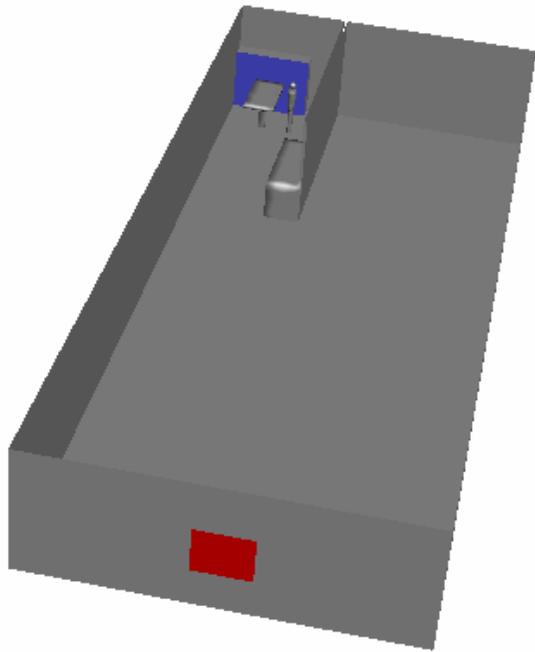
Schnittebenen mit Geschwindigkeitsvektoren

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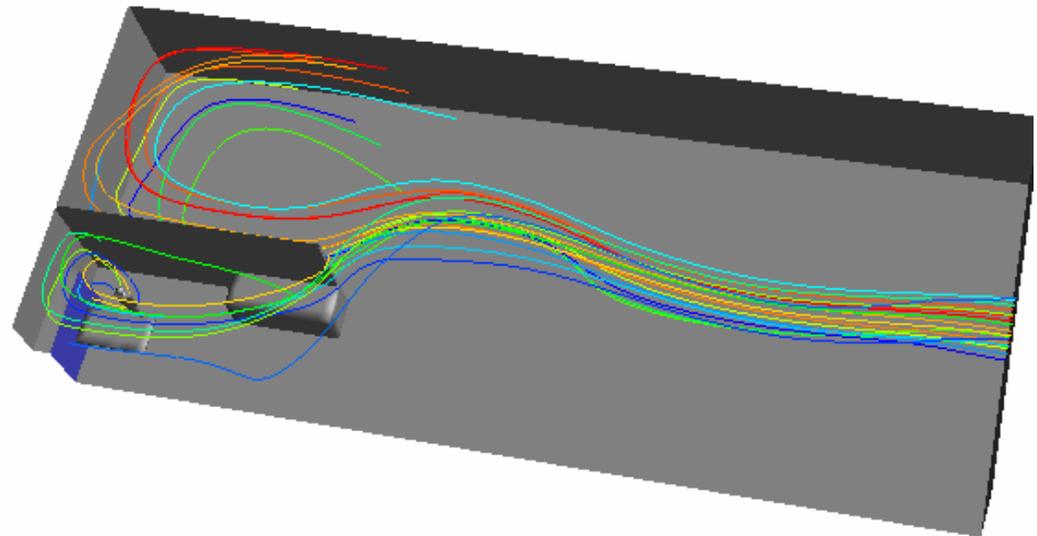


Strömungswege im Arbeitsbereich

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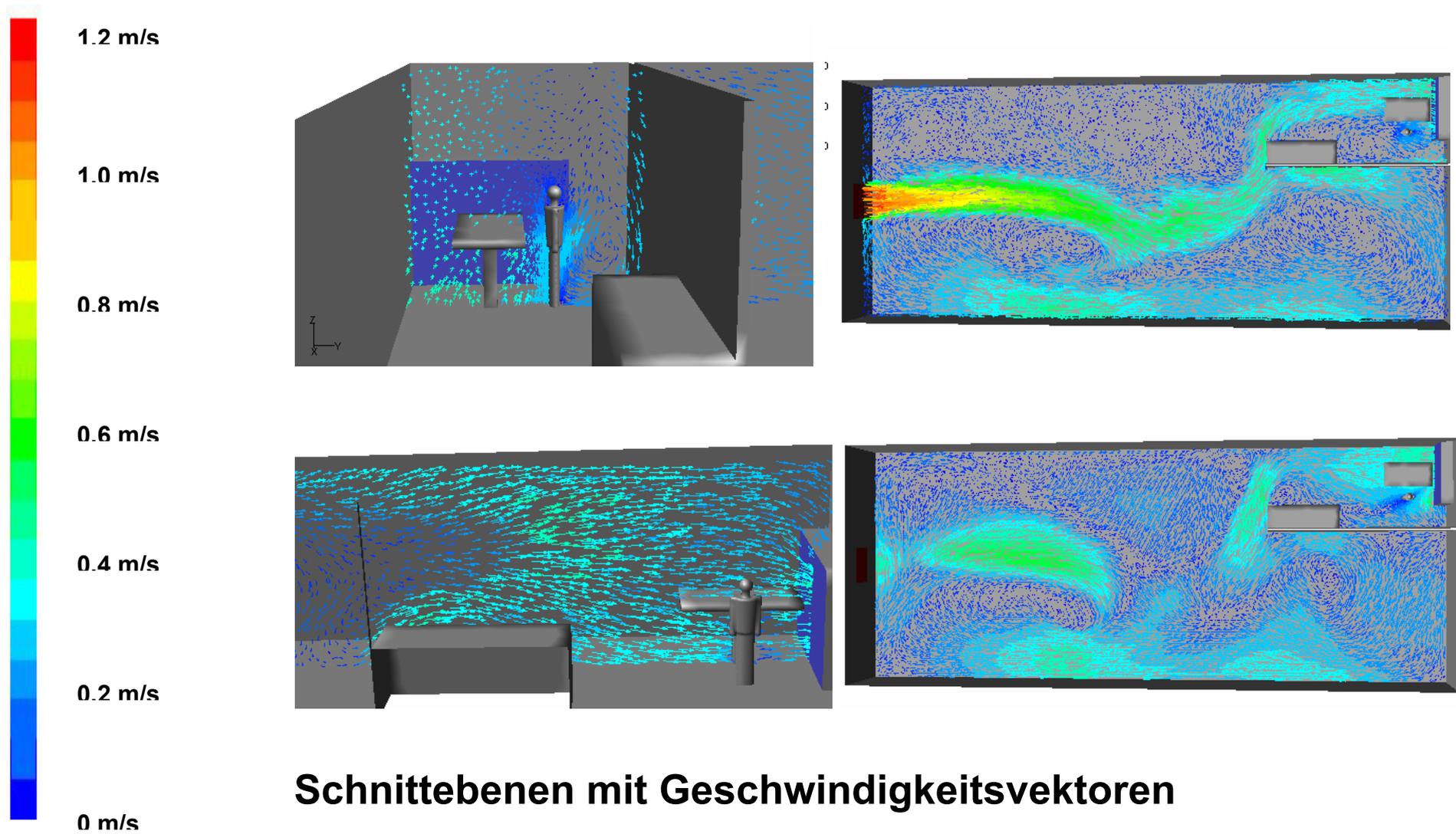


Raumdarstellung

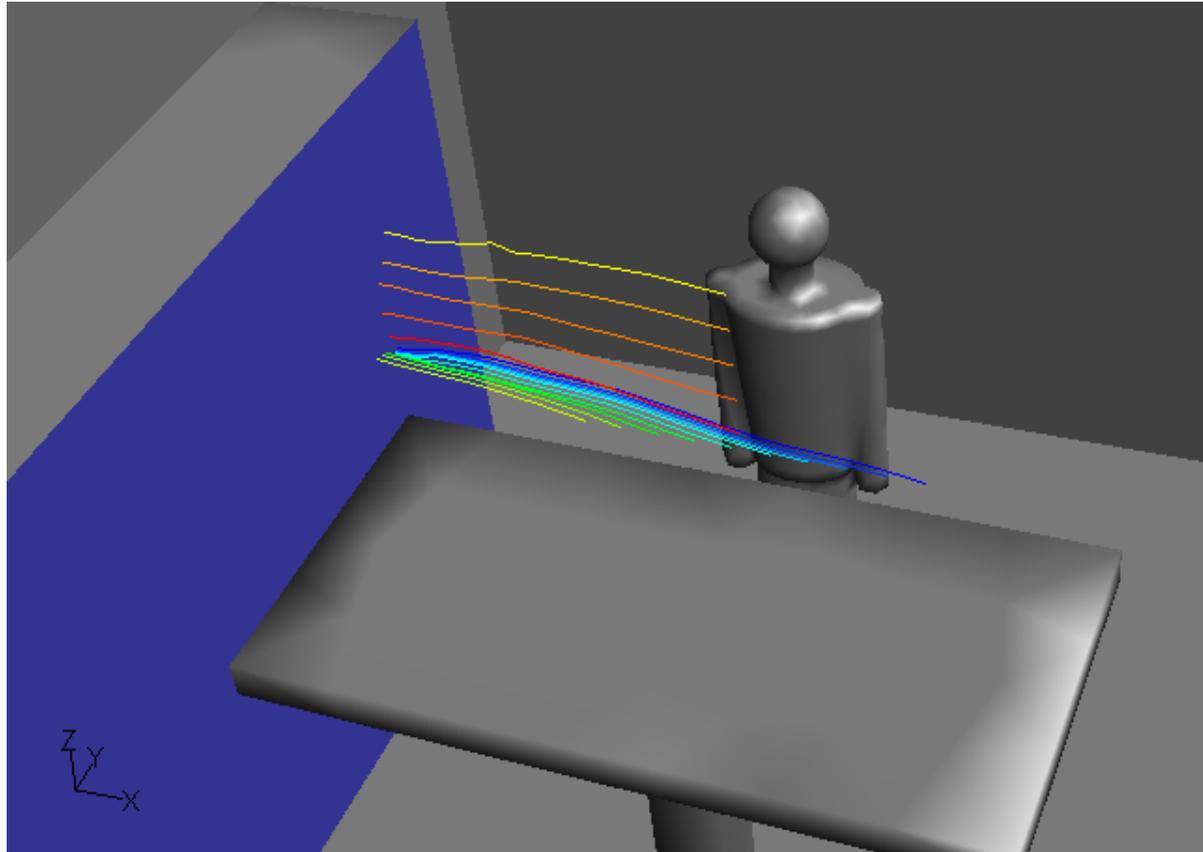


Strömungswege

Kategorie A / Variante 14



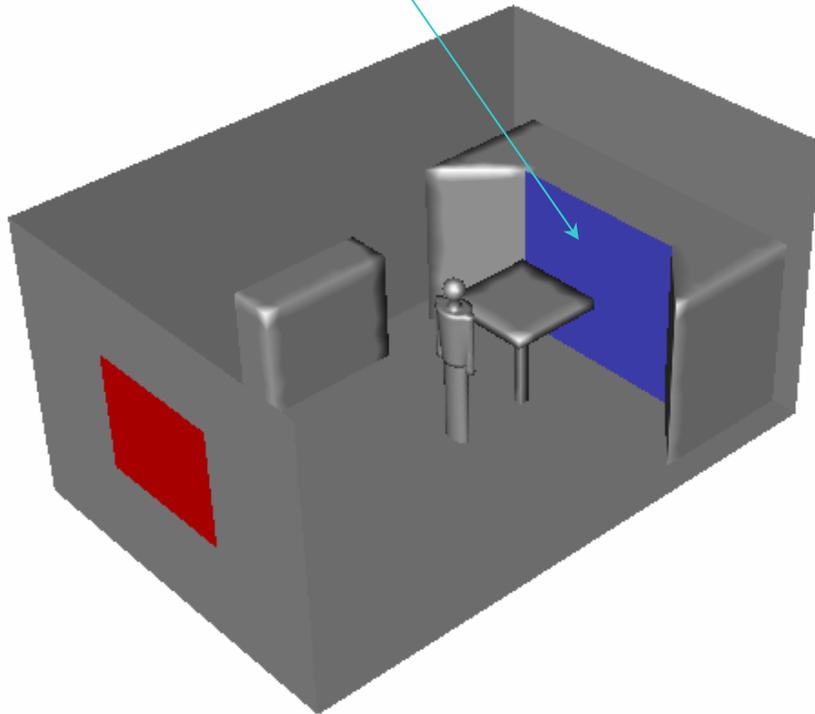
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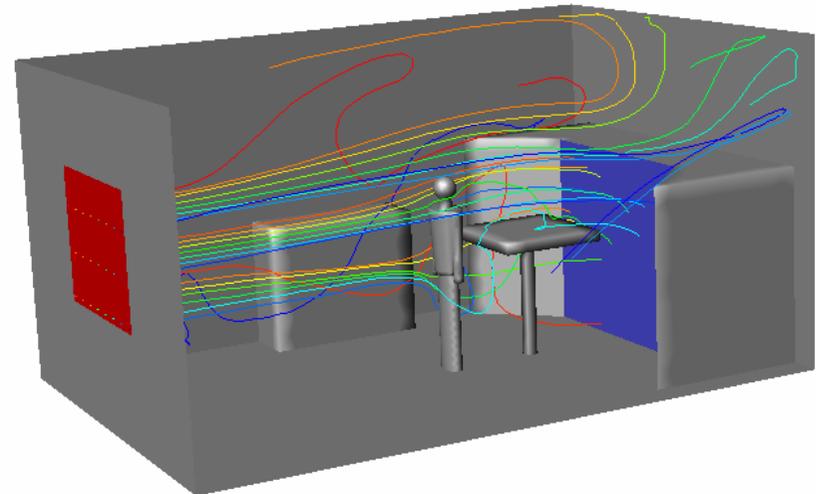
Strömungswege im Arbeitsbereich

Kategorie B / Variante 1

Absauggeschwindigkeit = 0,77 m/s

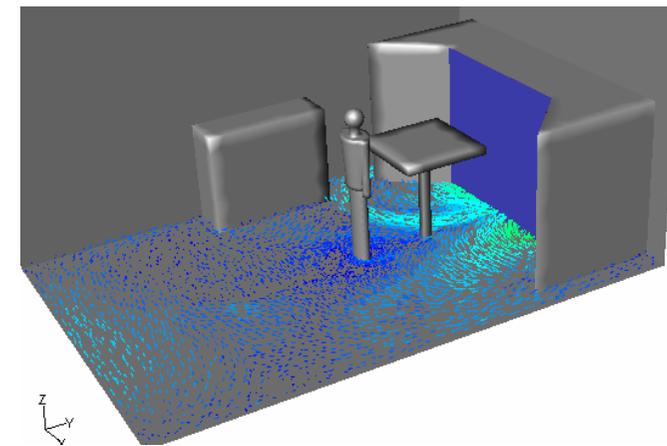
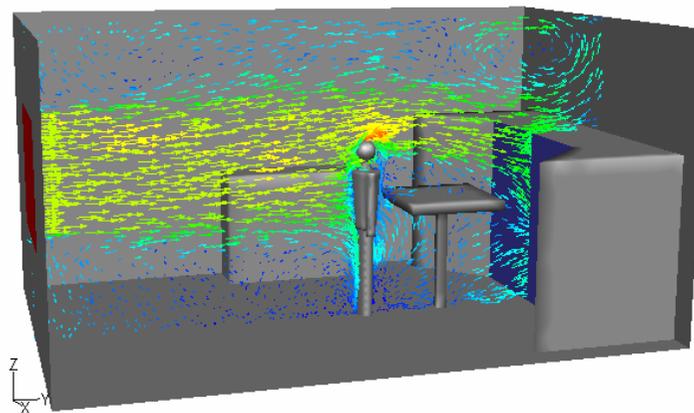
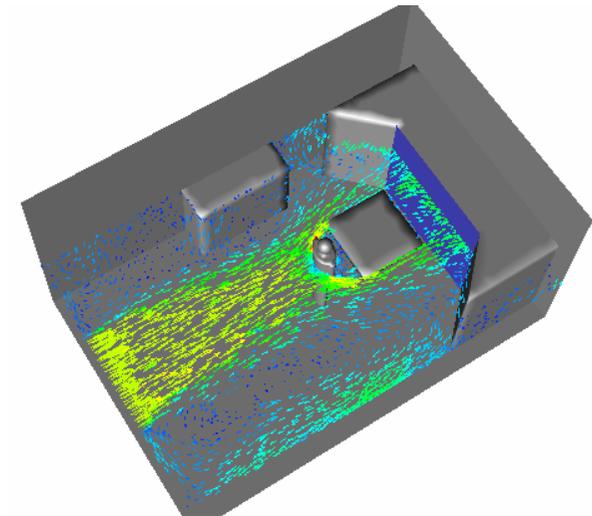
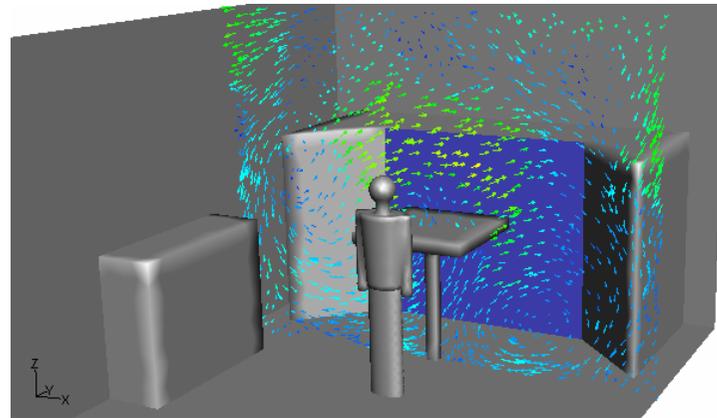
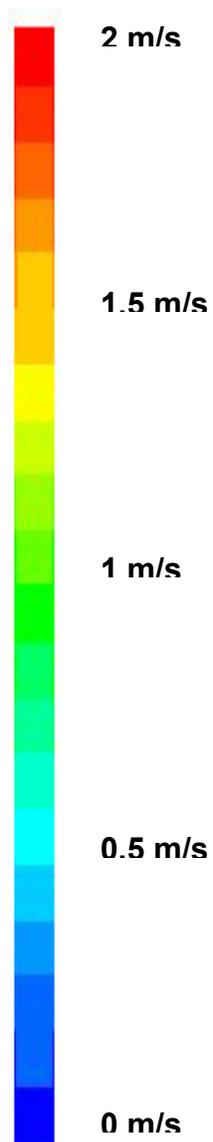


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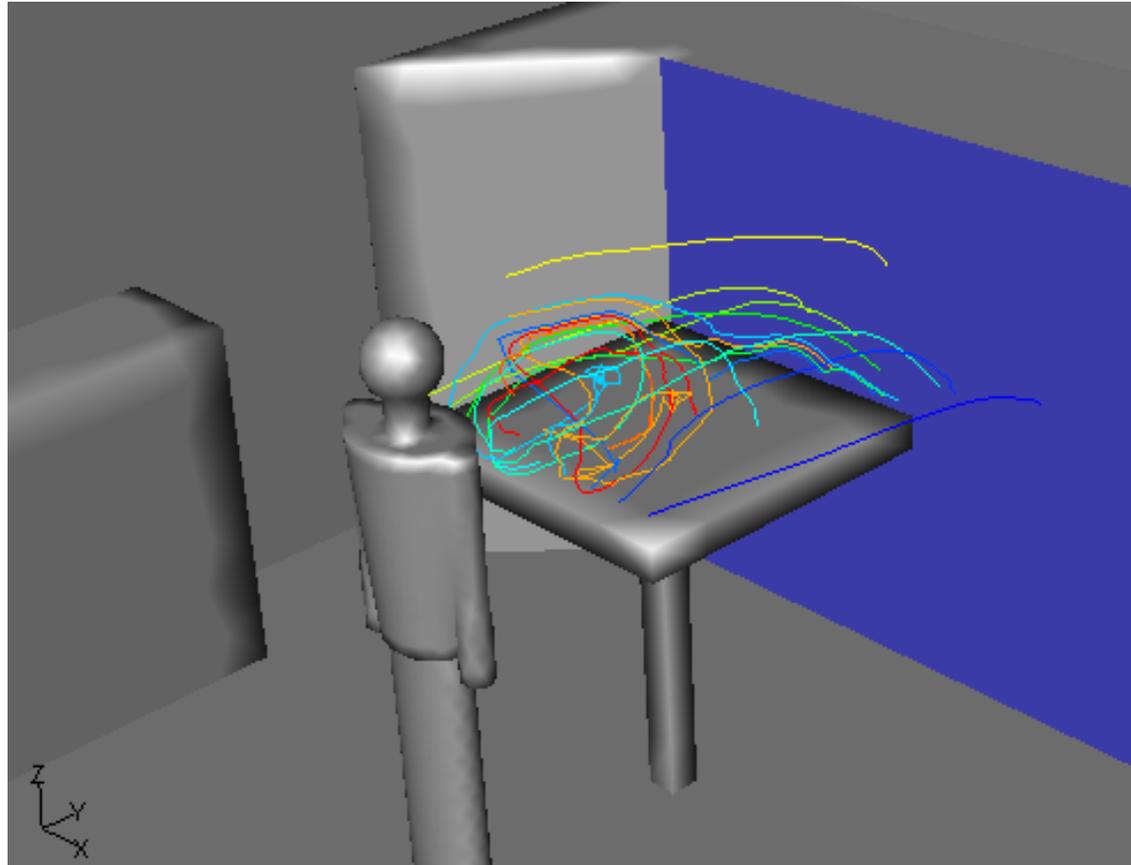
Strömungswege

Kategorie B / Variante 1



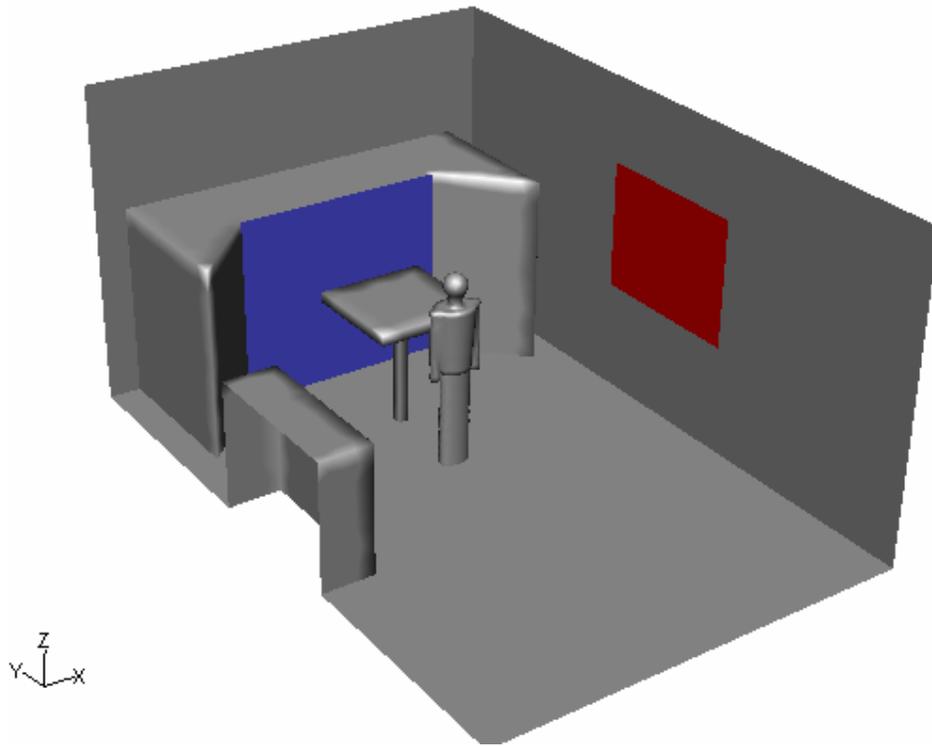
Schnittebenen mit Geschwindigkeitsvektoren

Kategorie B / Variante 1

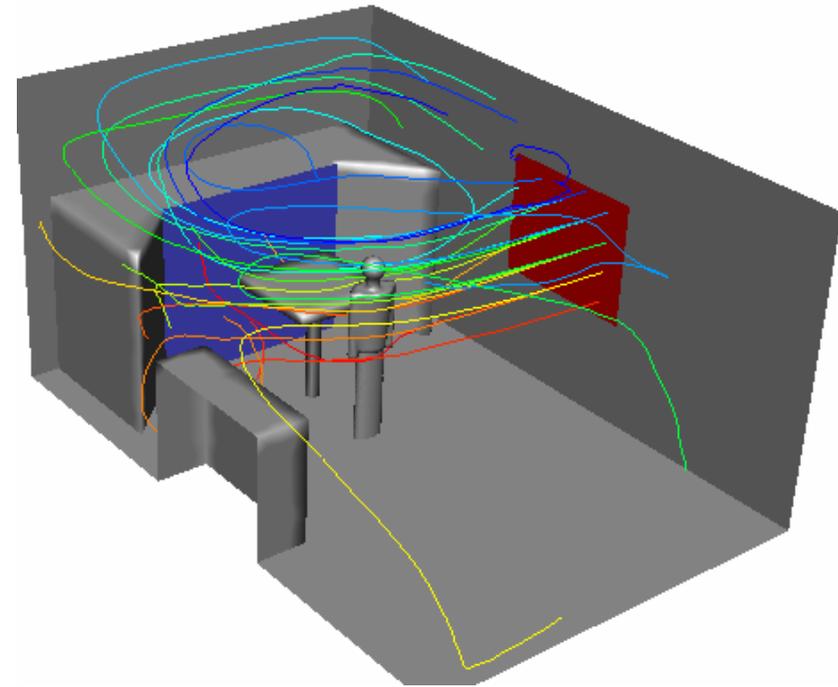


Strömungswege im Arbeitsbereich

Kategorie B / Variante 2

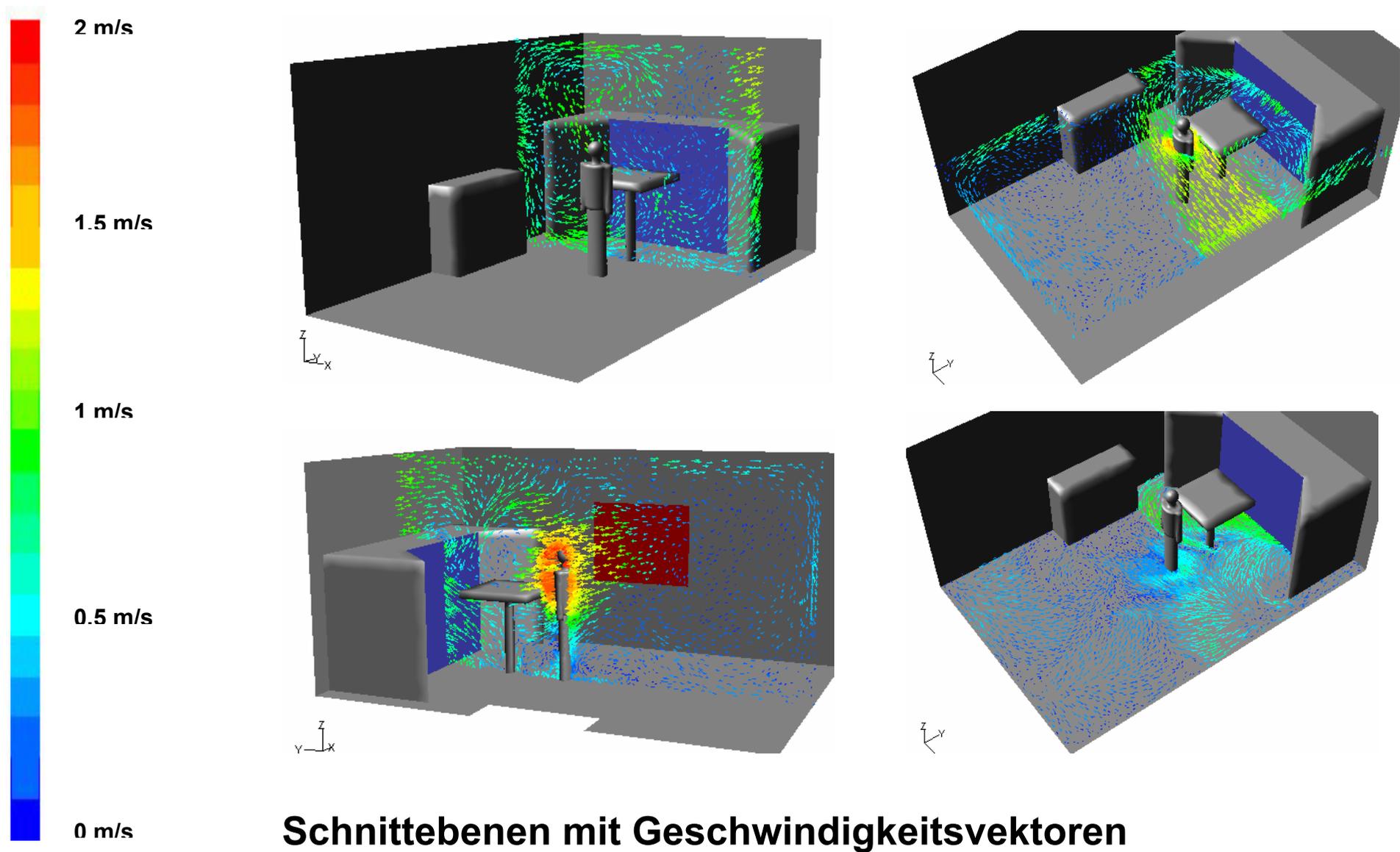


Raumdarstellung

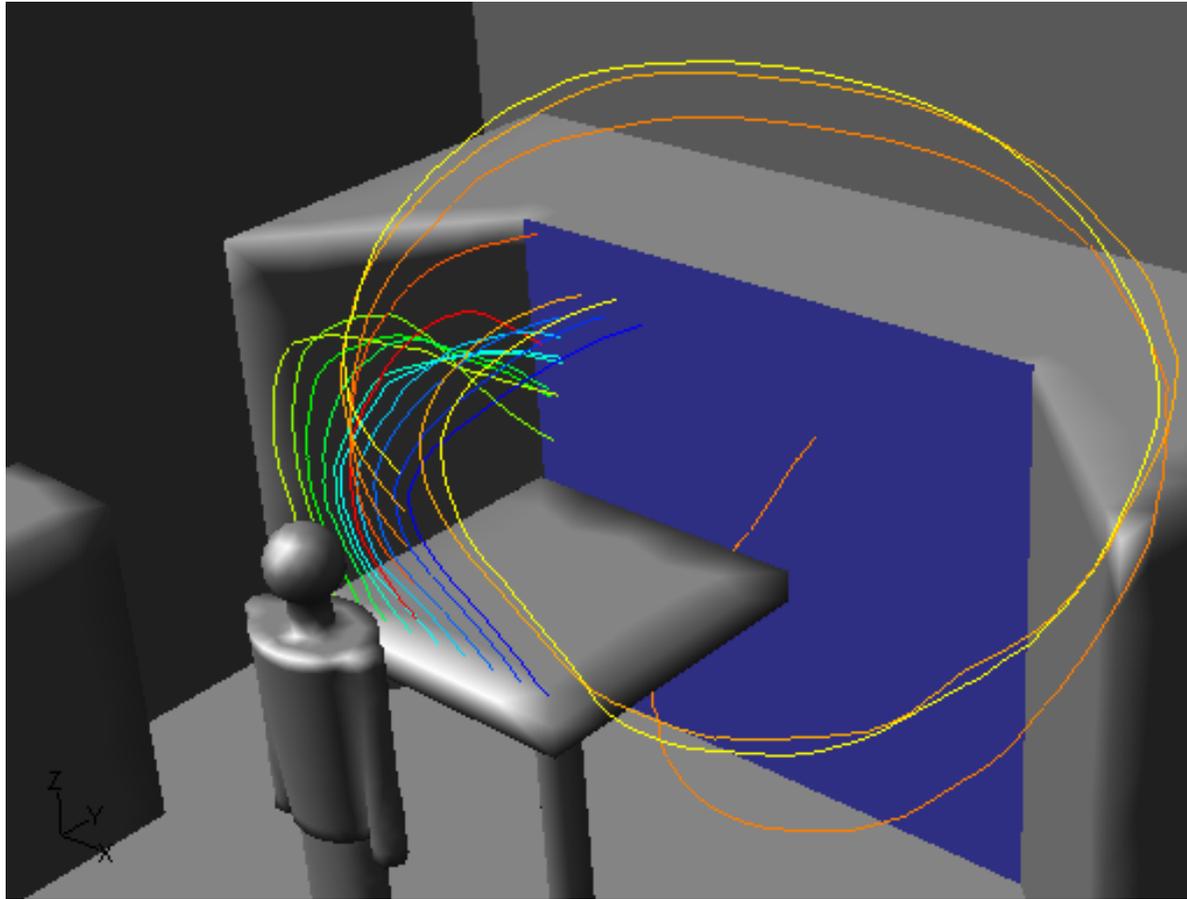


Strömungswege

Kategorie B / Variante 2

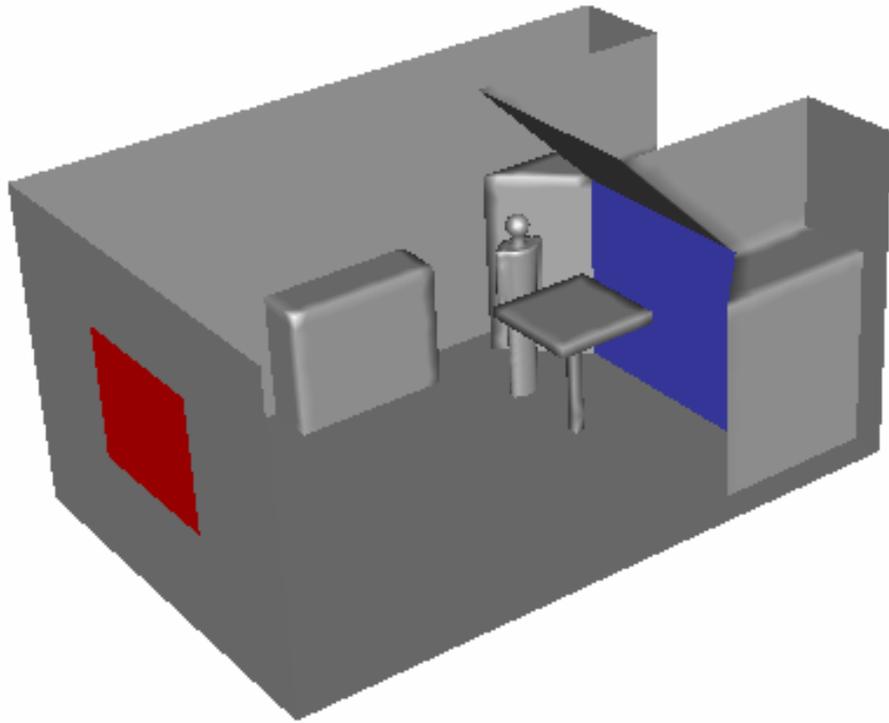


Kategorie B / Variante 2

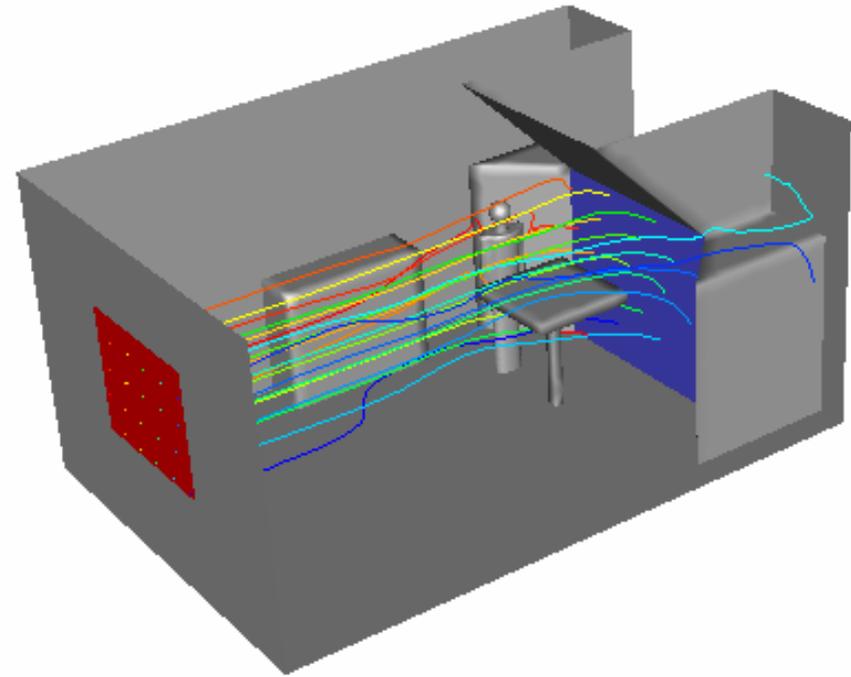


Strömungswege im Arbeitsbereich

Kategorie B / Variante 3

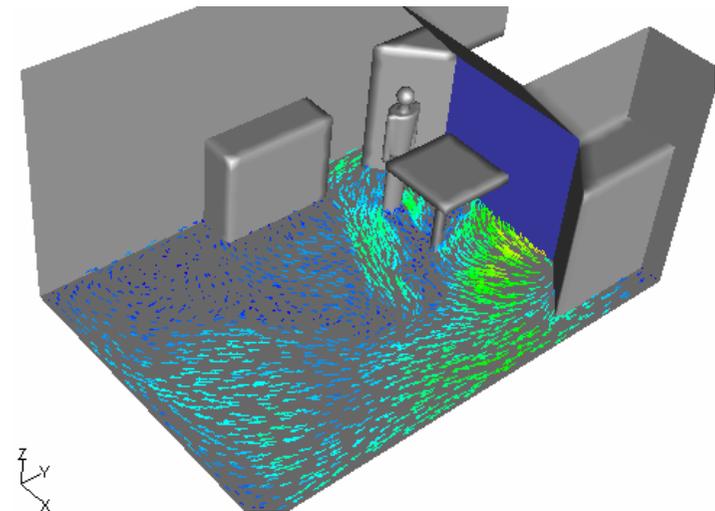
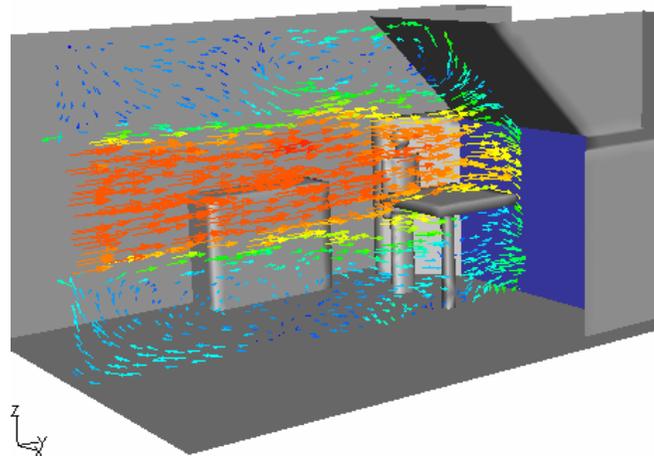
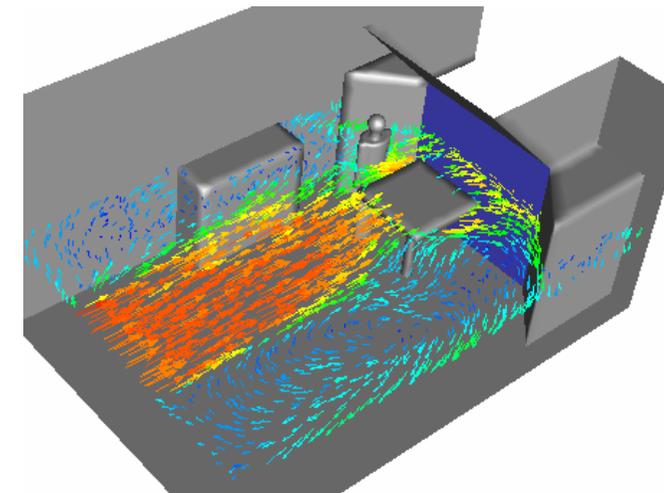
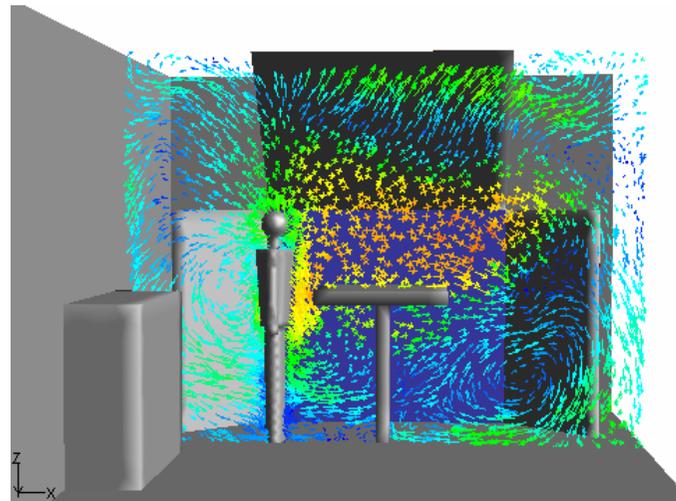
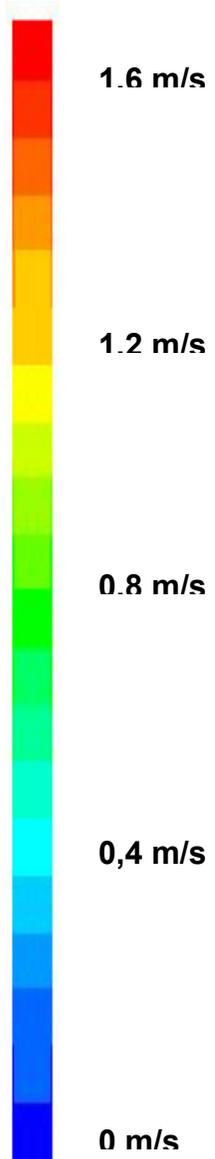


Raumdarstellung



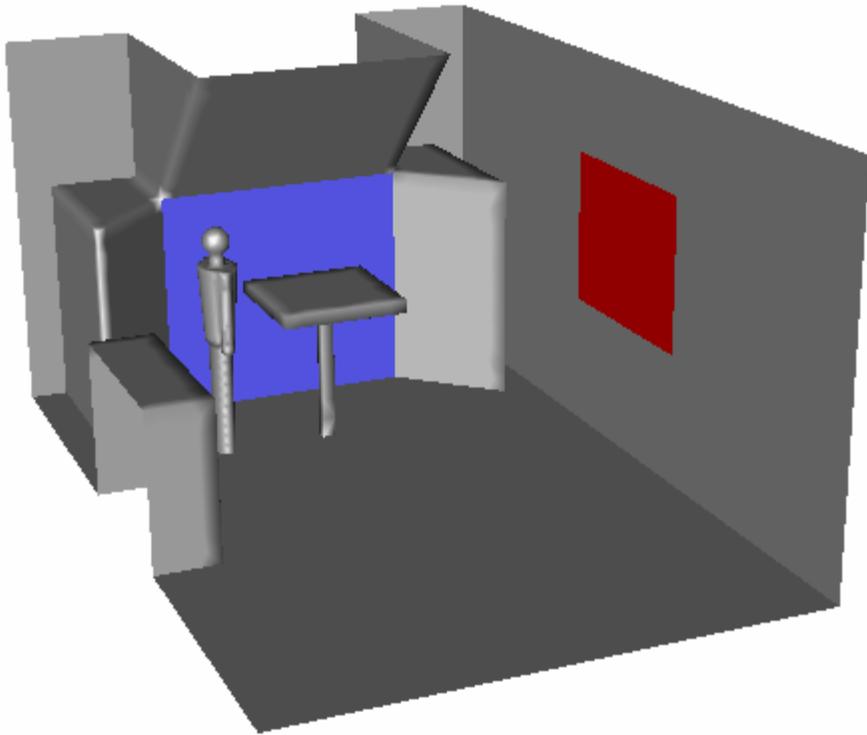
Strömungswege

Kategorie B / Variante 3

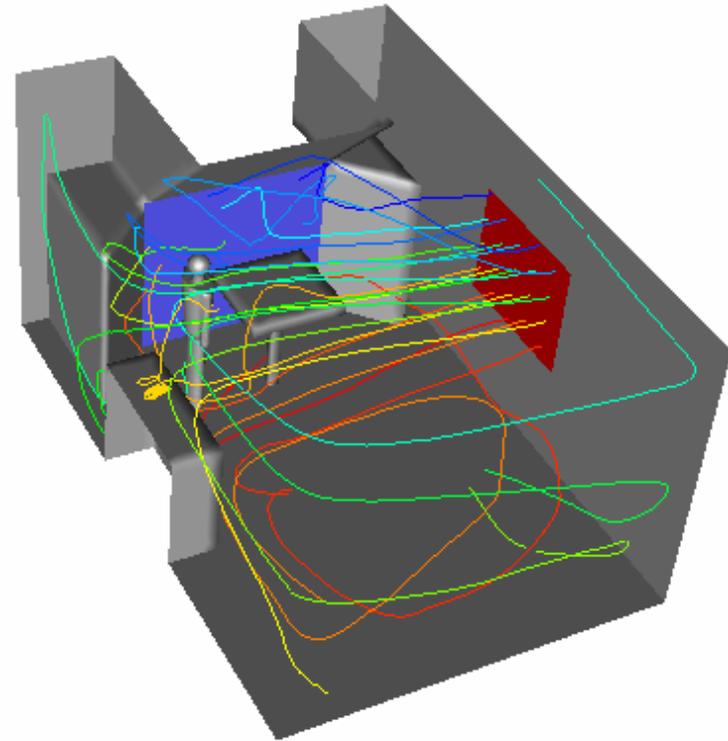


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie B / Variante 4

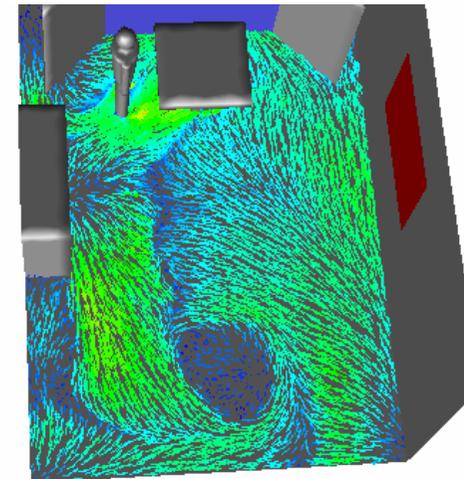
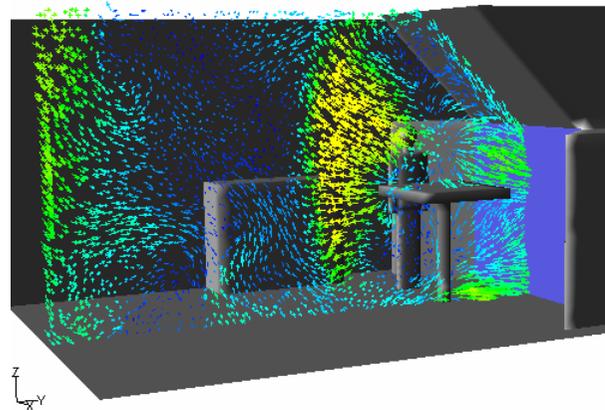
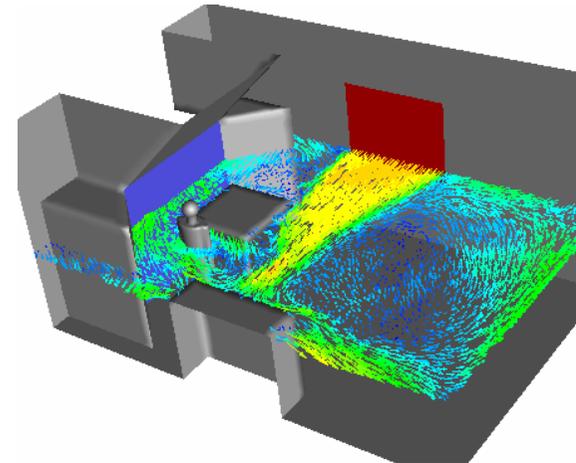
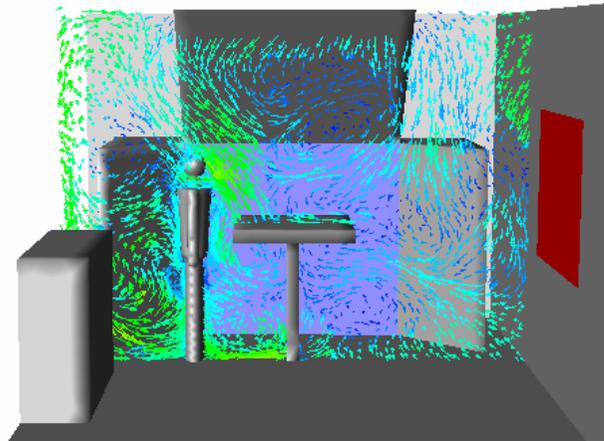
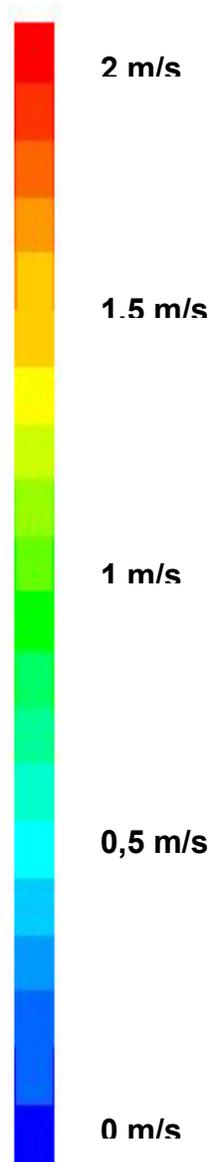


Raumdarstellung



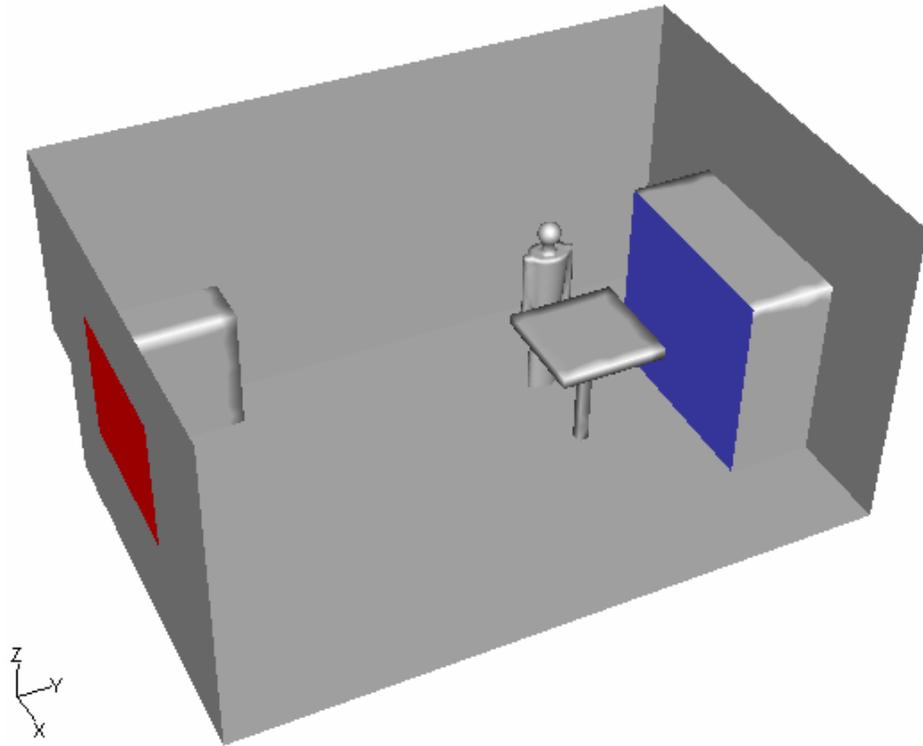
Strömungswege

Kategorie B / Variante 4

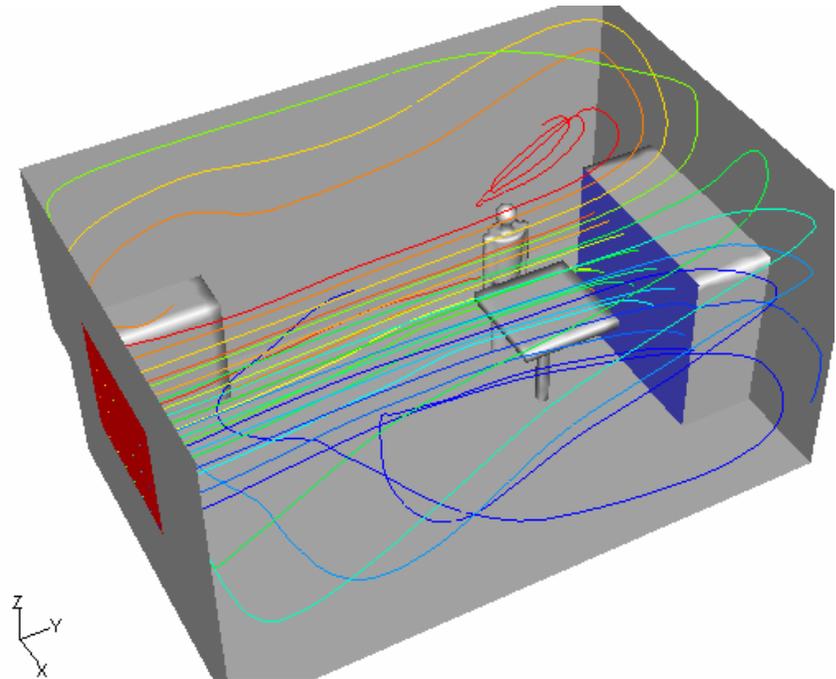


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie B / Variante 5

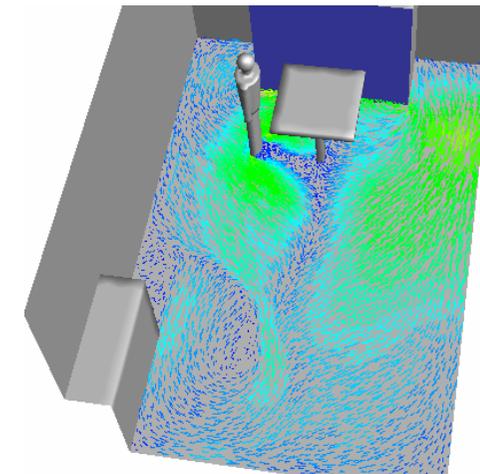
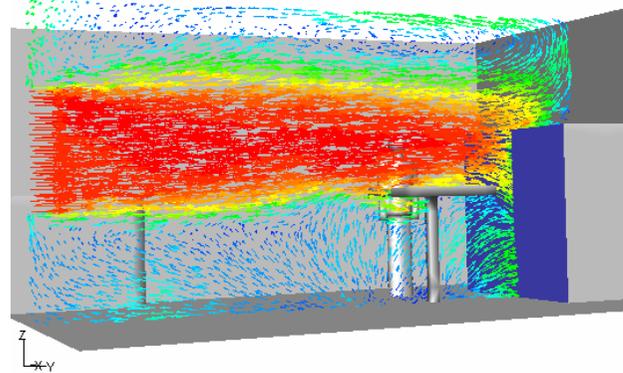
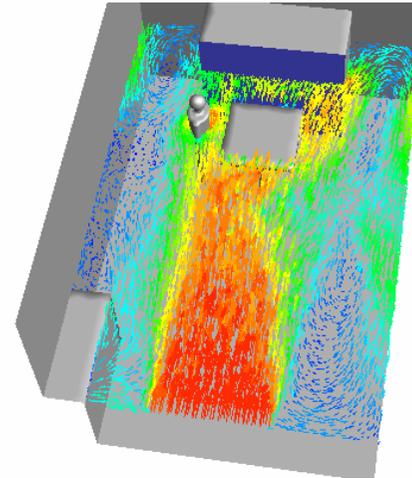
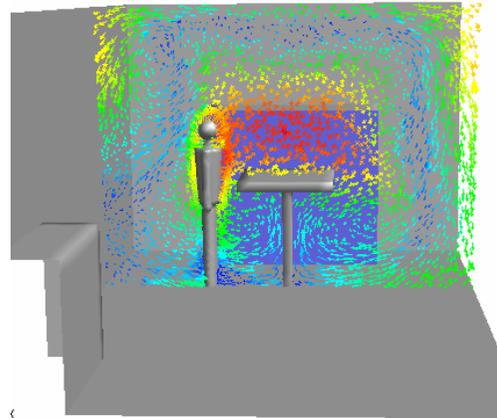
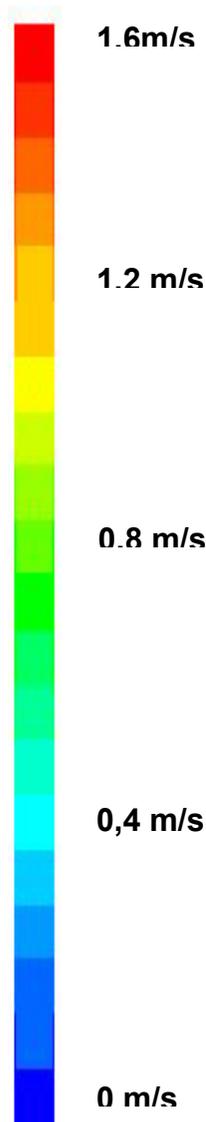


Raumdarstellung



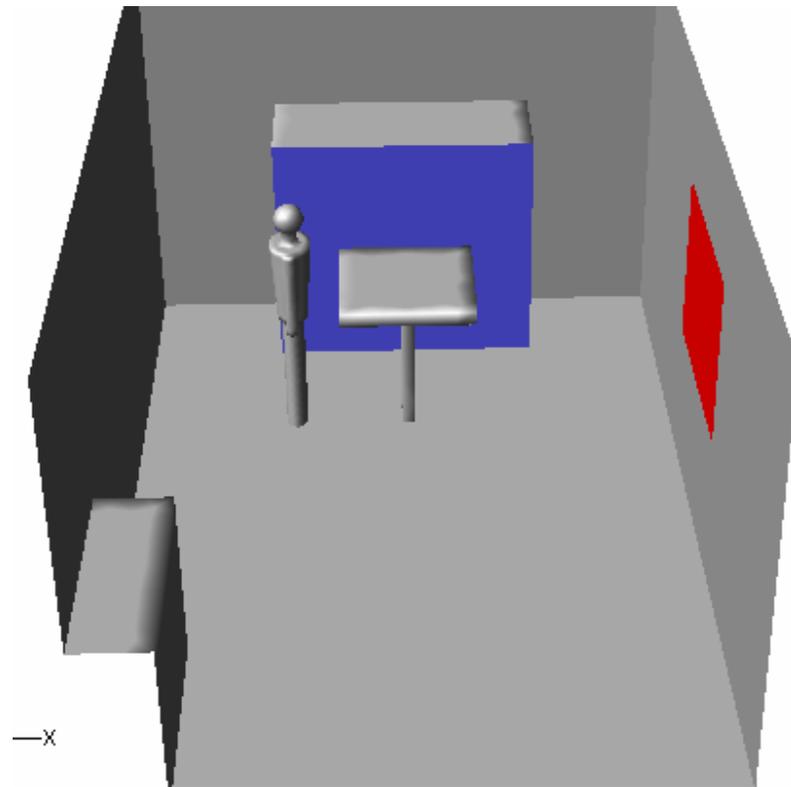
Strömungswege

Kategorie B / Variante 5

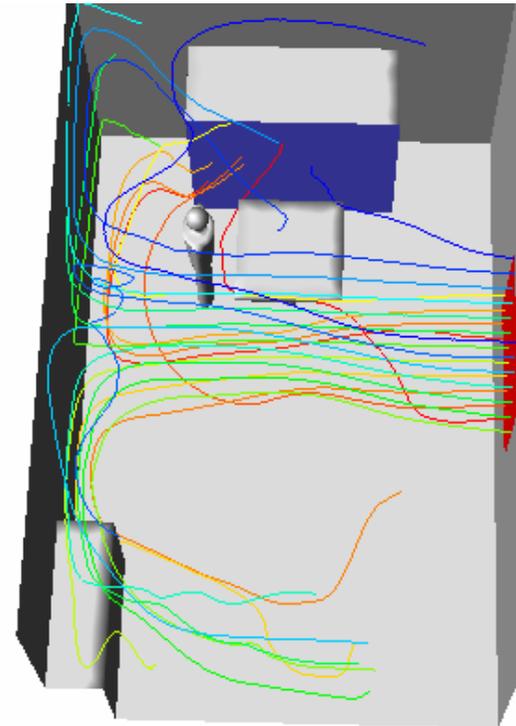


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie B / Variante 6

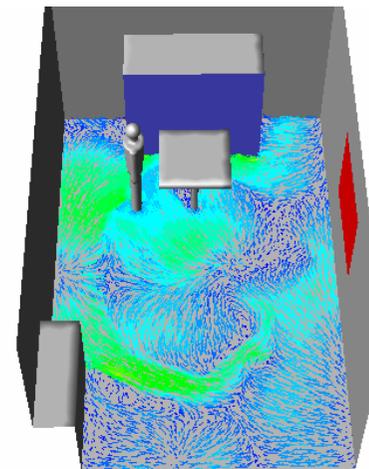
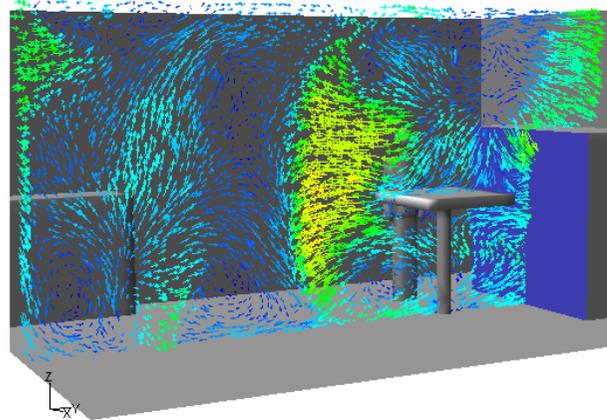
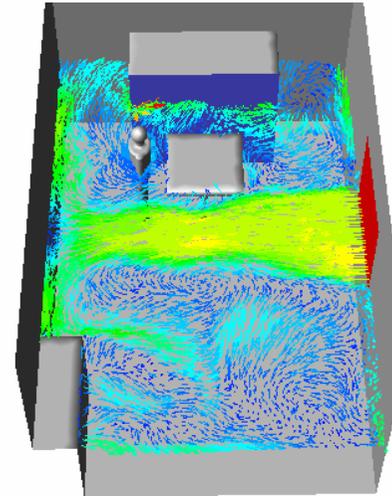
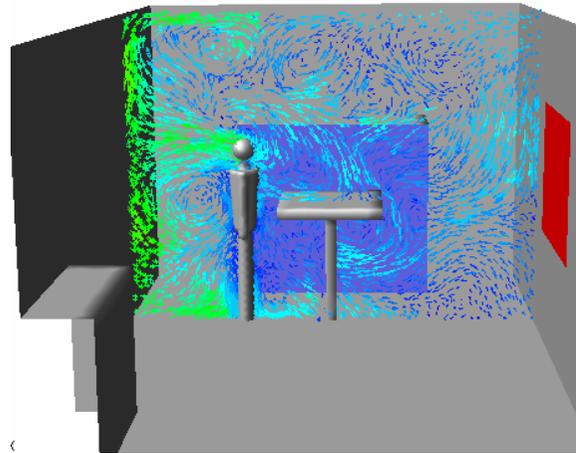
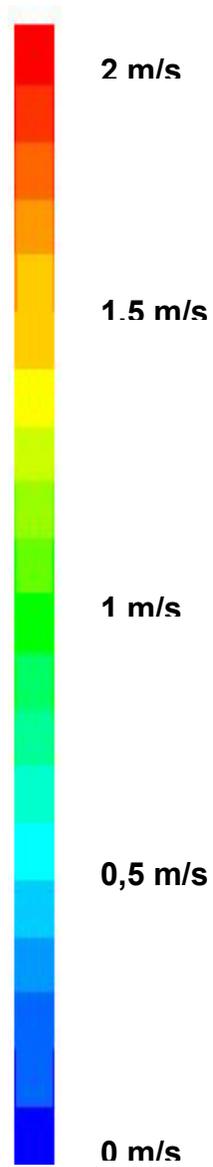


Raumdarstellung



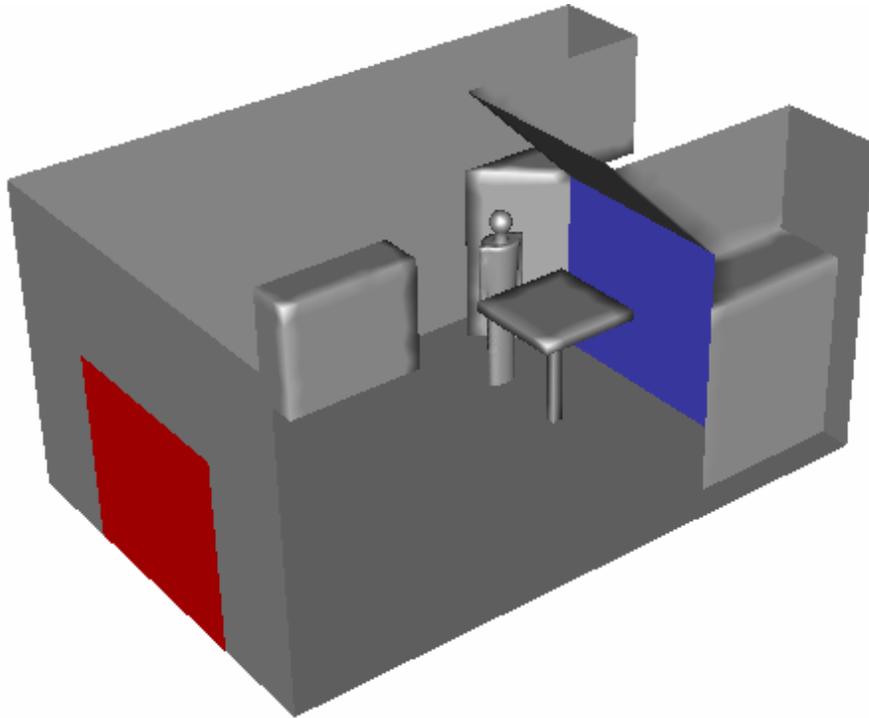
Strömungswege

Kategorie B / Variante 6

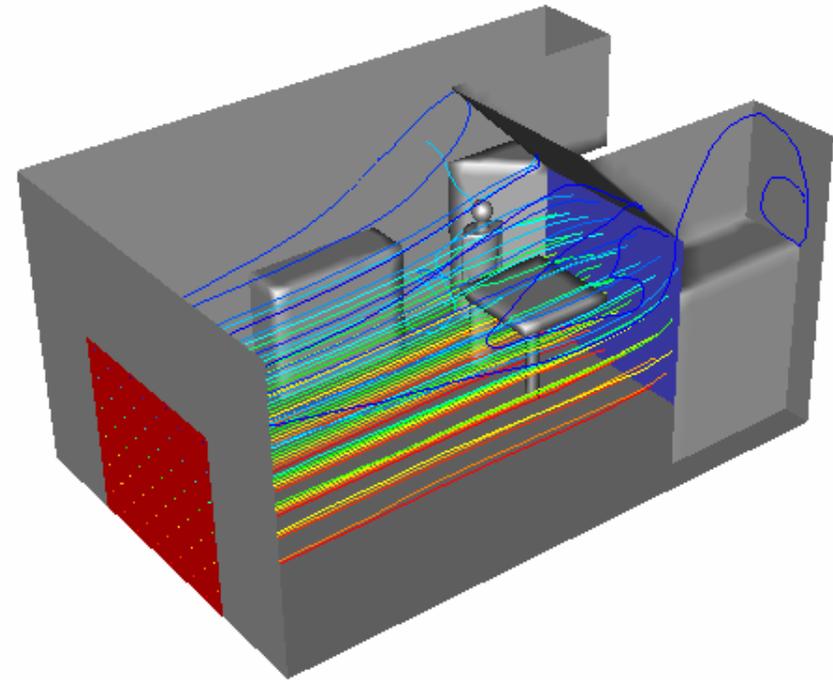


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie B / Variante 7

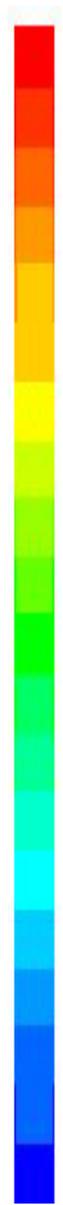


Raumdarstellung



Strömungswege

Kategorie B / Variante 7



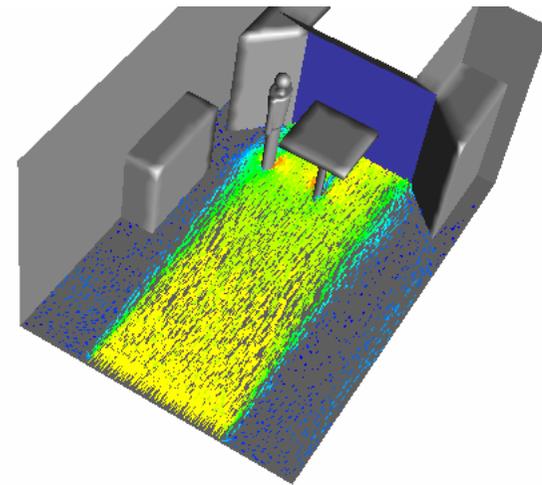
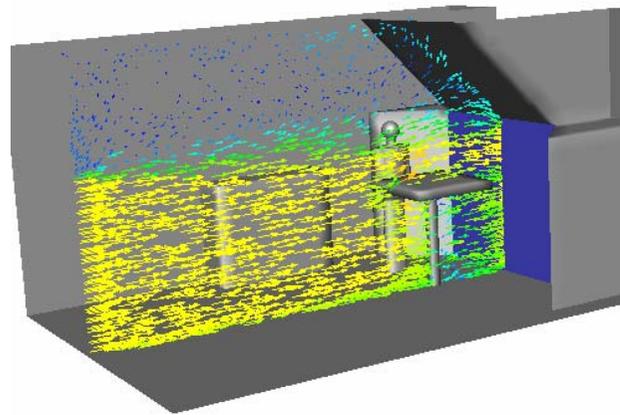
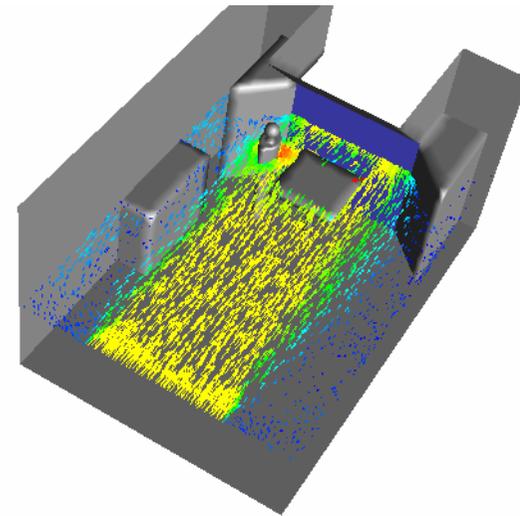
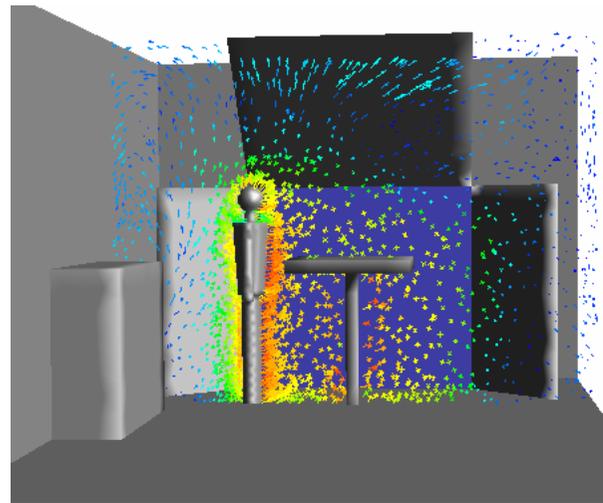
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0.75 m/s

0.5 m/s

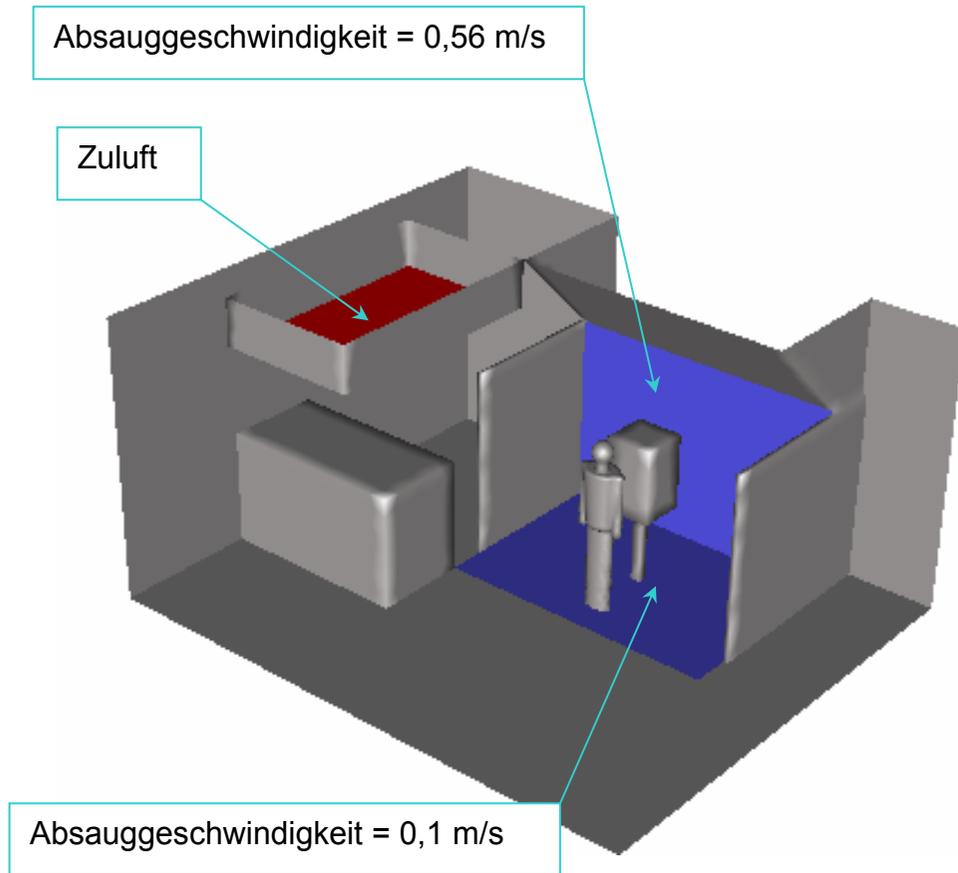
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0 m/s

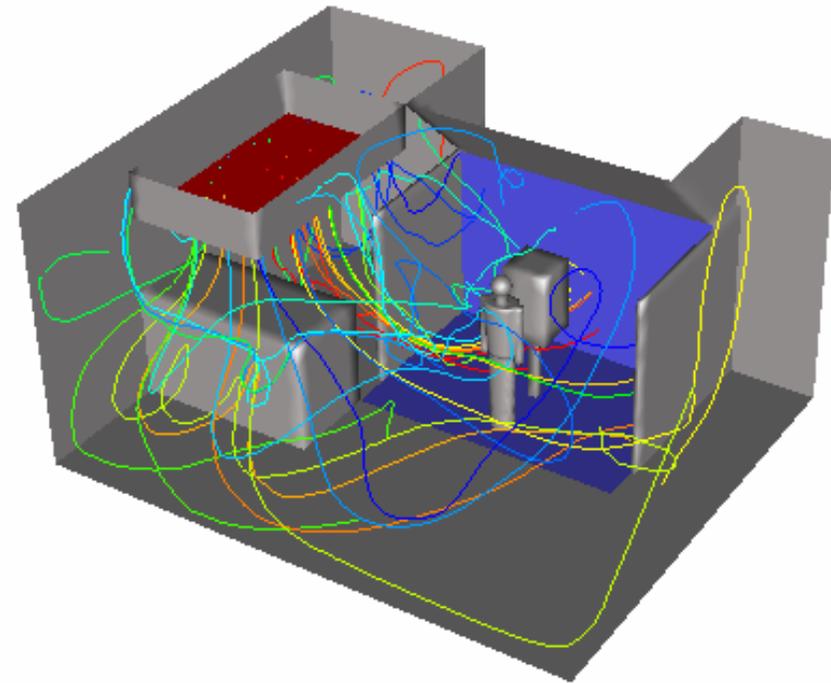


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie C / Variante 1

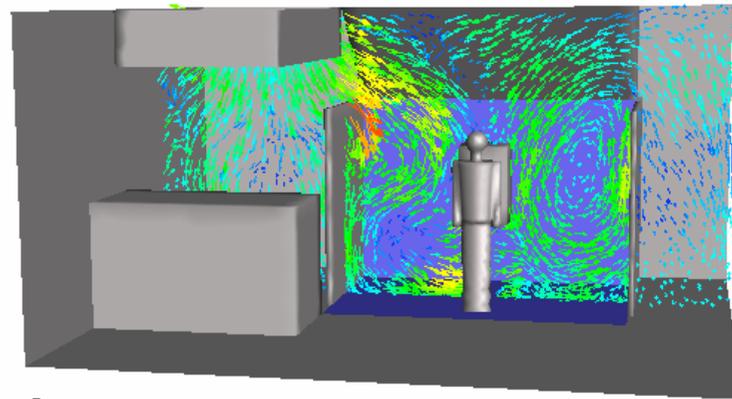
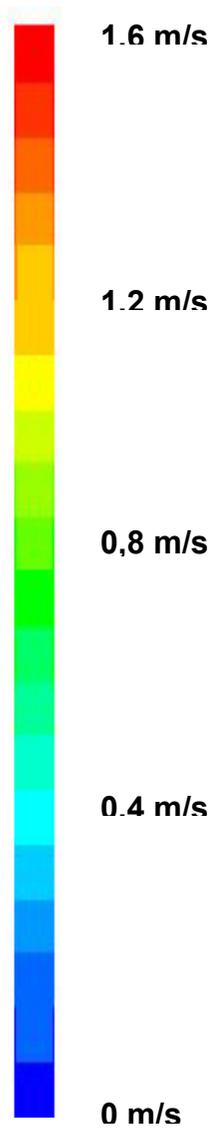


Raumdarstellung

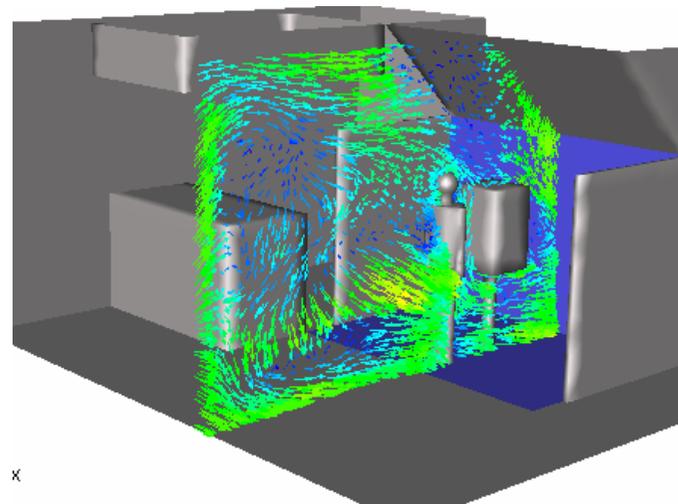
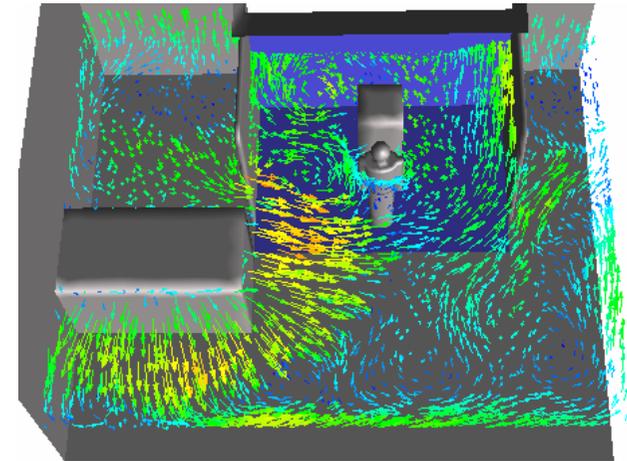


Strömungswege

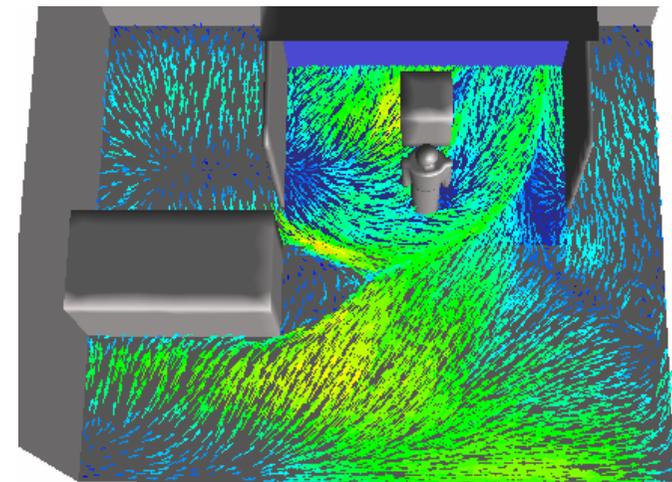
Kategorie C / Variante 1



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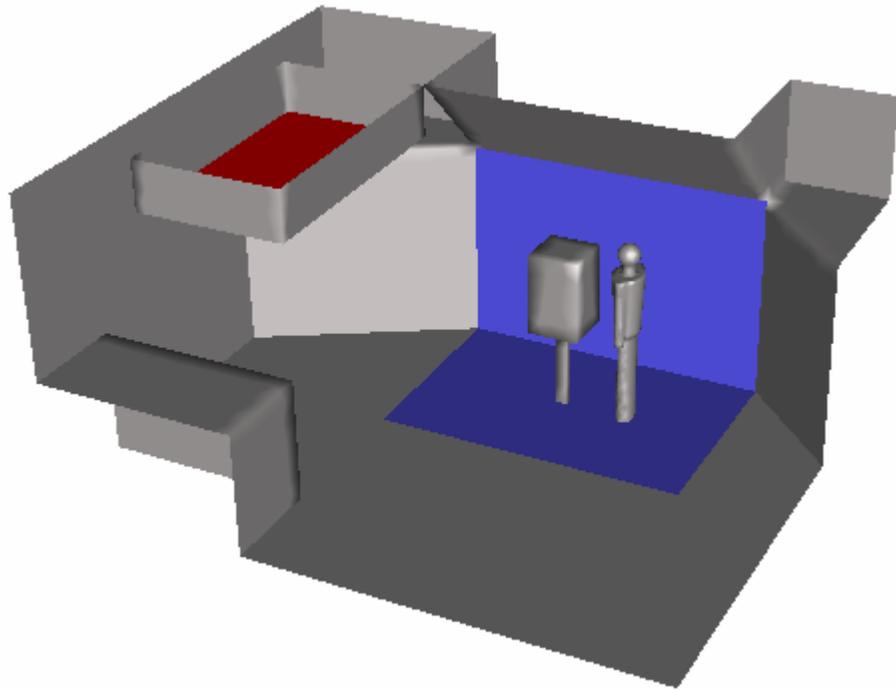


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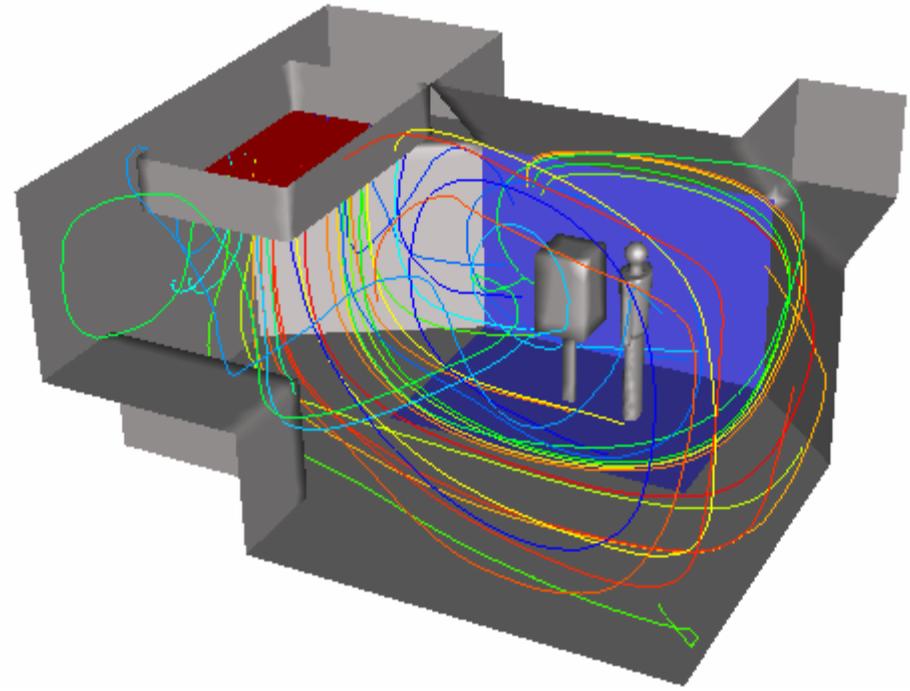


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie C / Variante 2

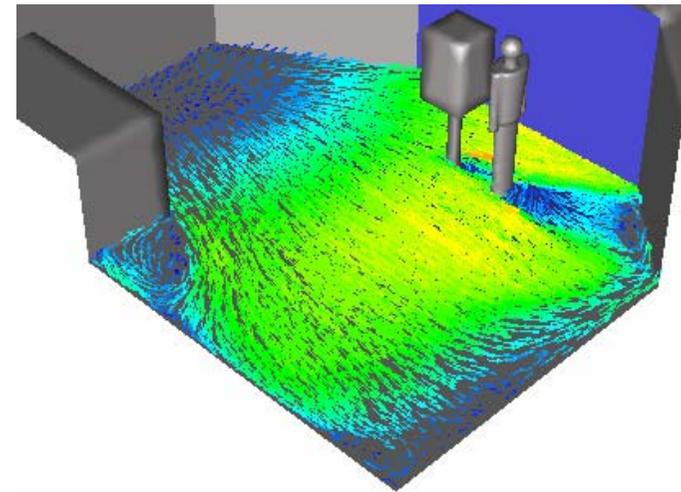
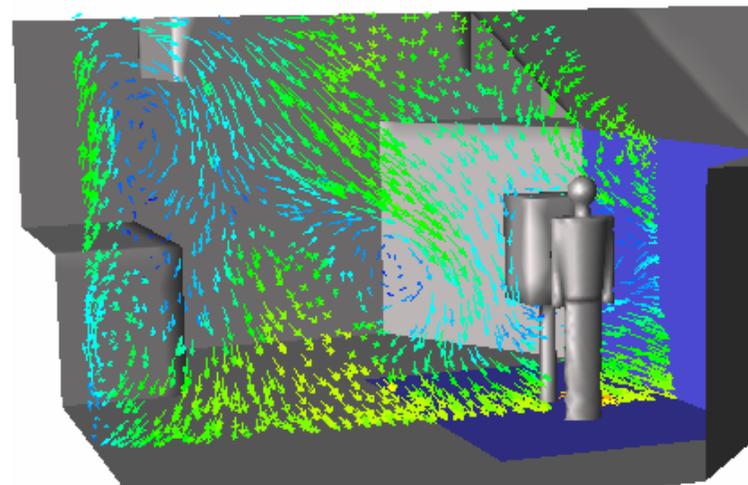
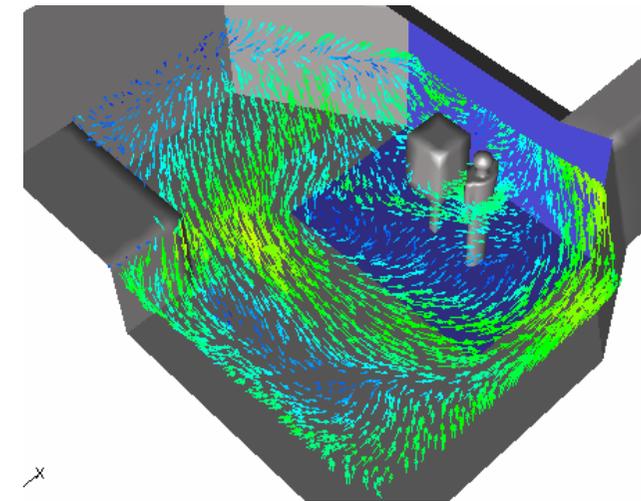
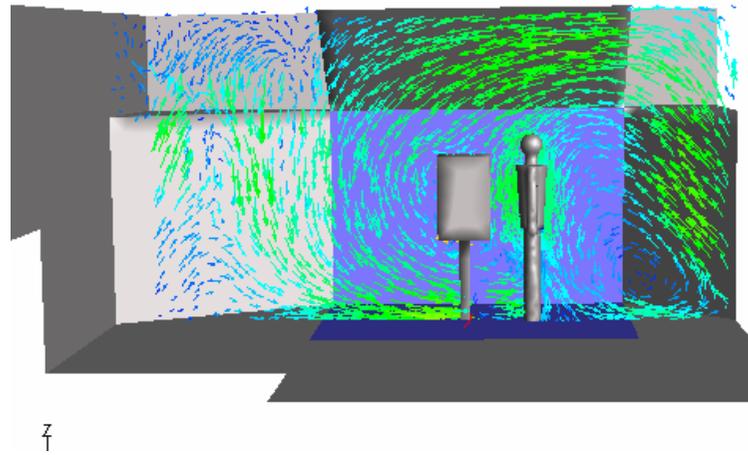
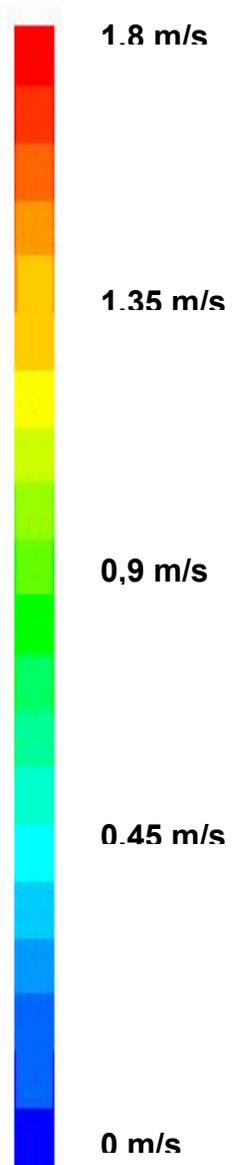


Raumdarstellung



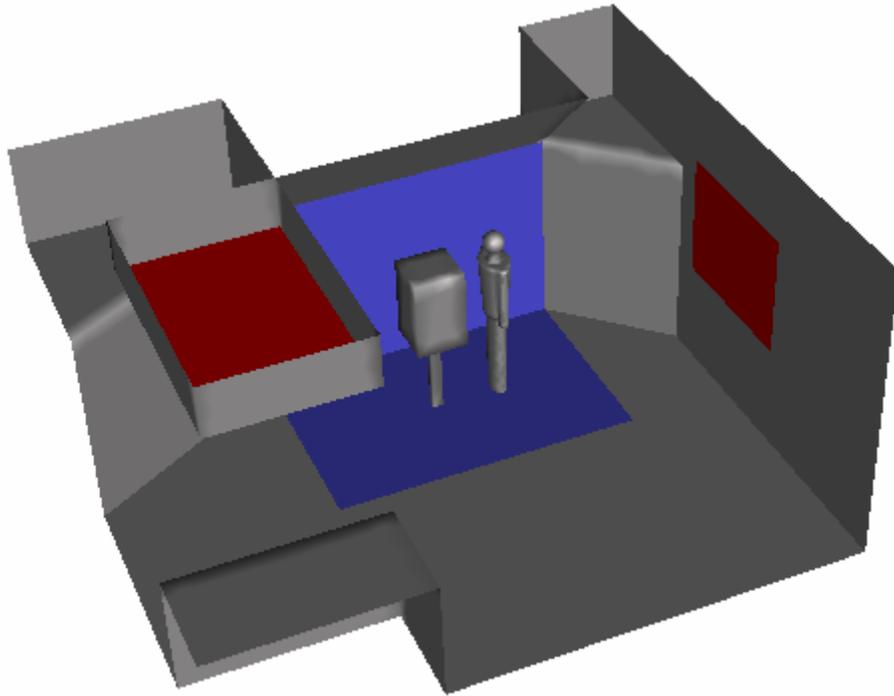
Strömungswege

Kategorie C / Variante 2

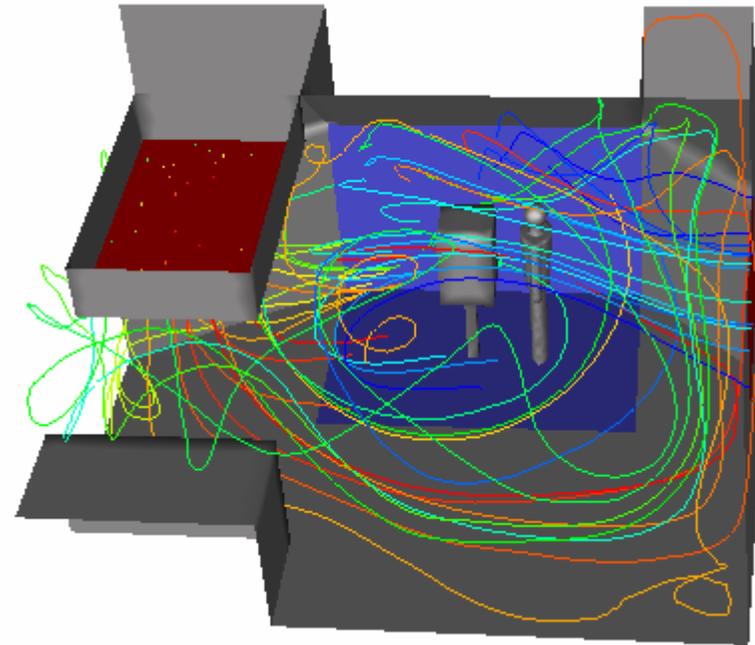


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie C / Variante 3

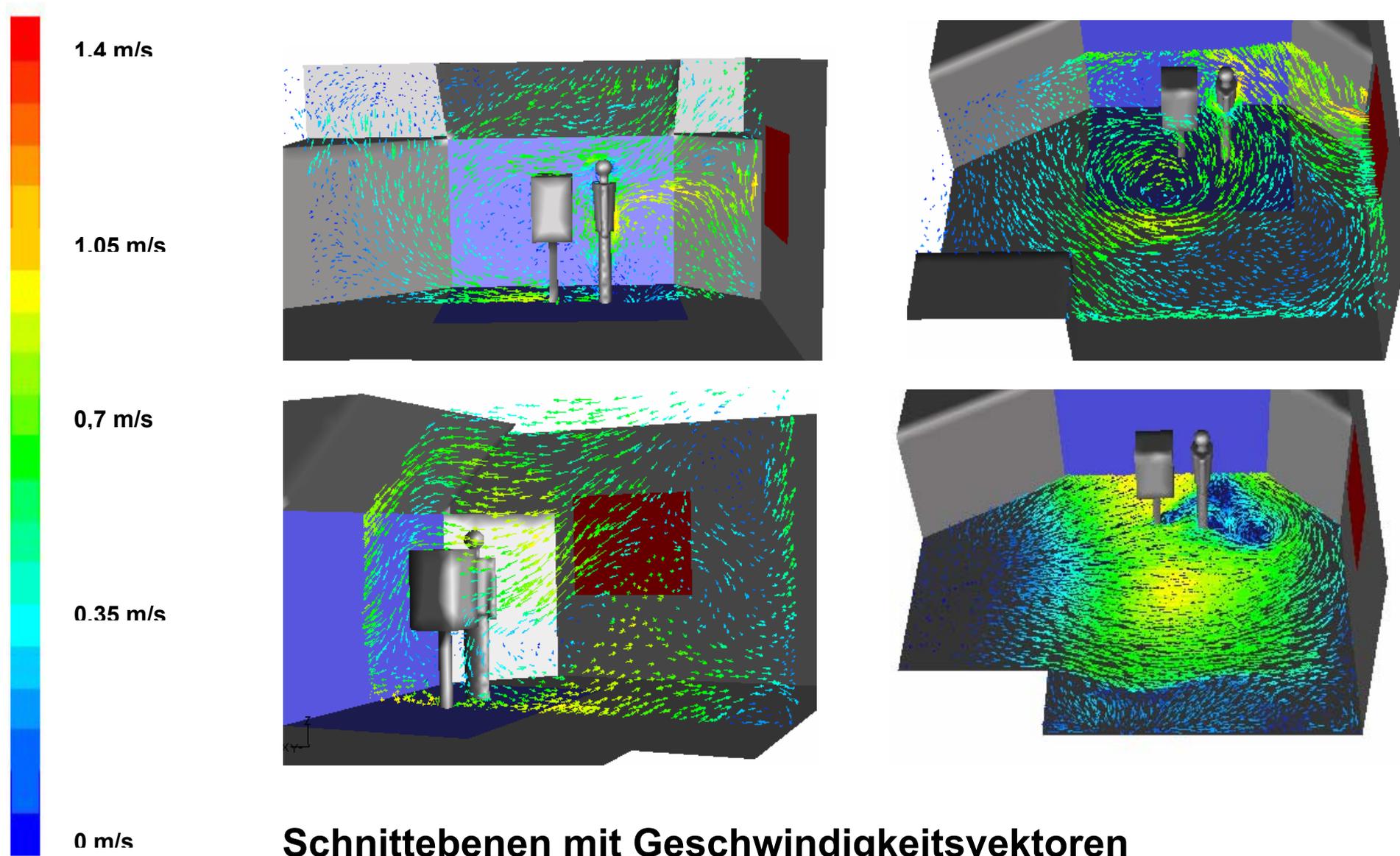


Raumdarstellung

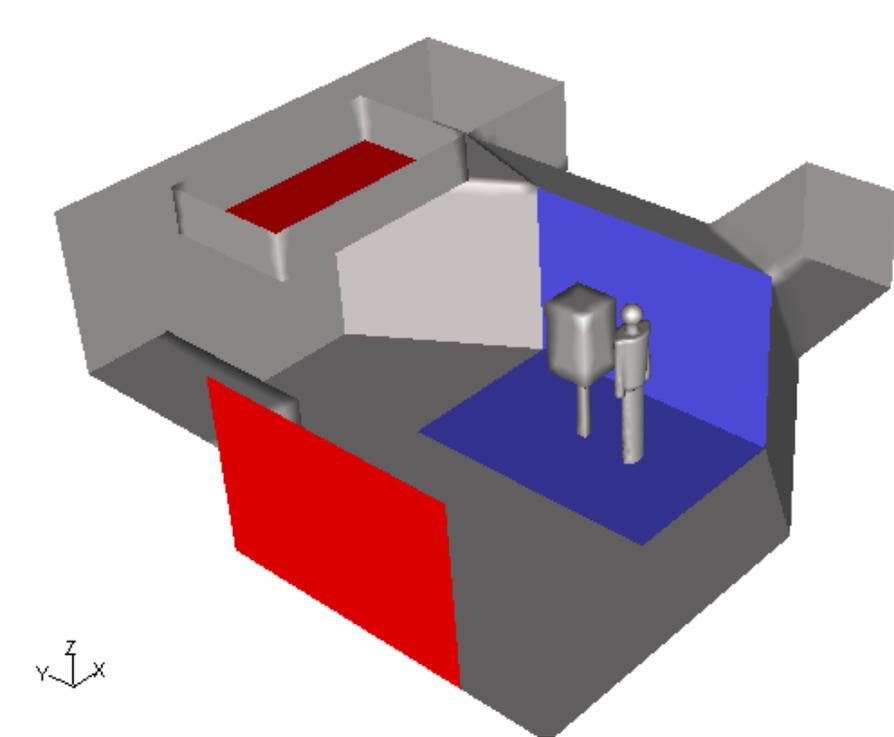


Strömungswege

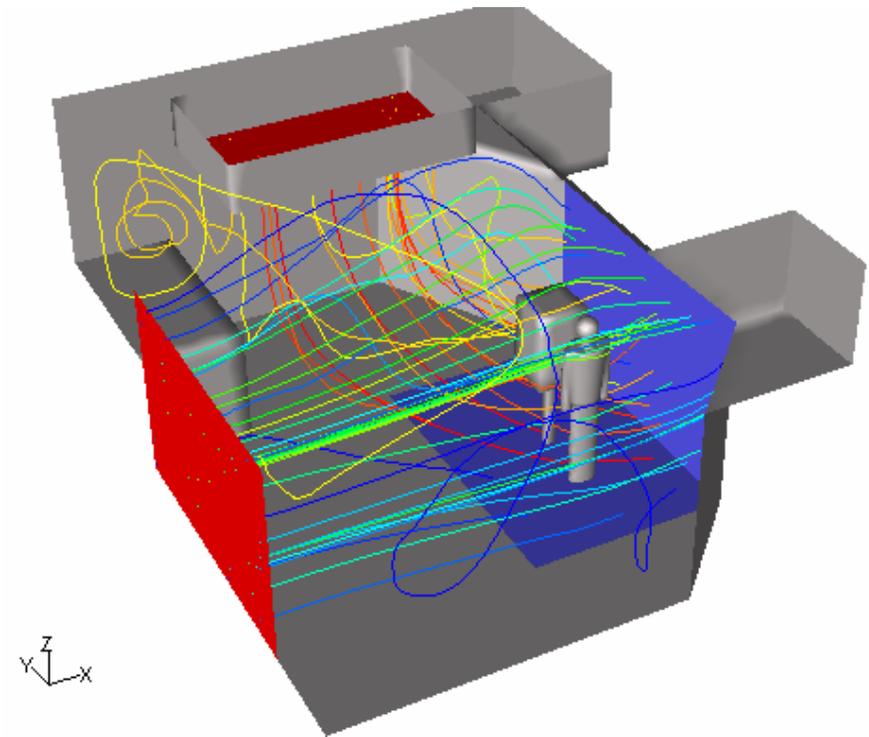
Kategorie C / Variante 3



Kategorie C / Variante 4

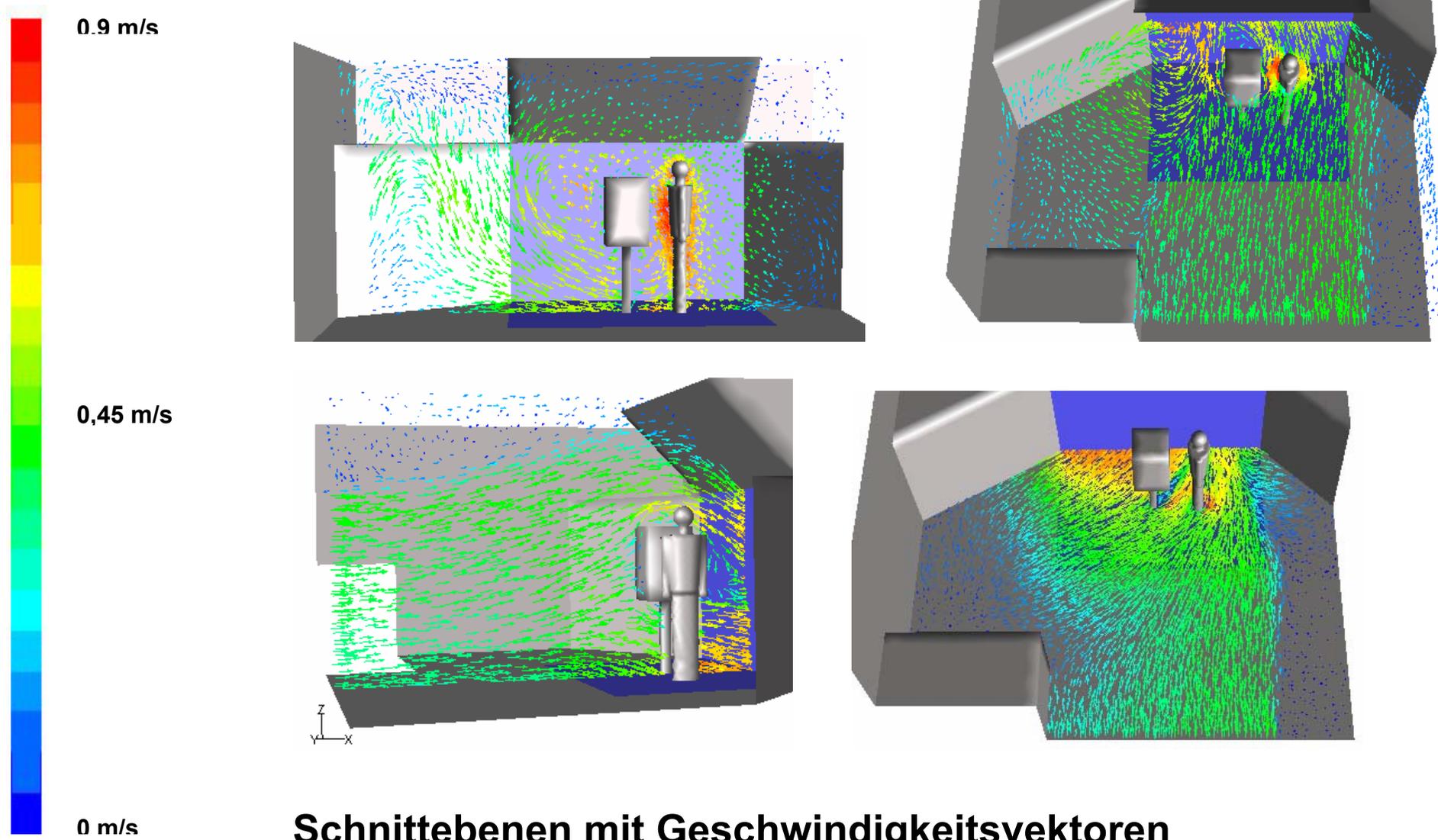


Raumdarstellung

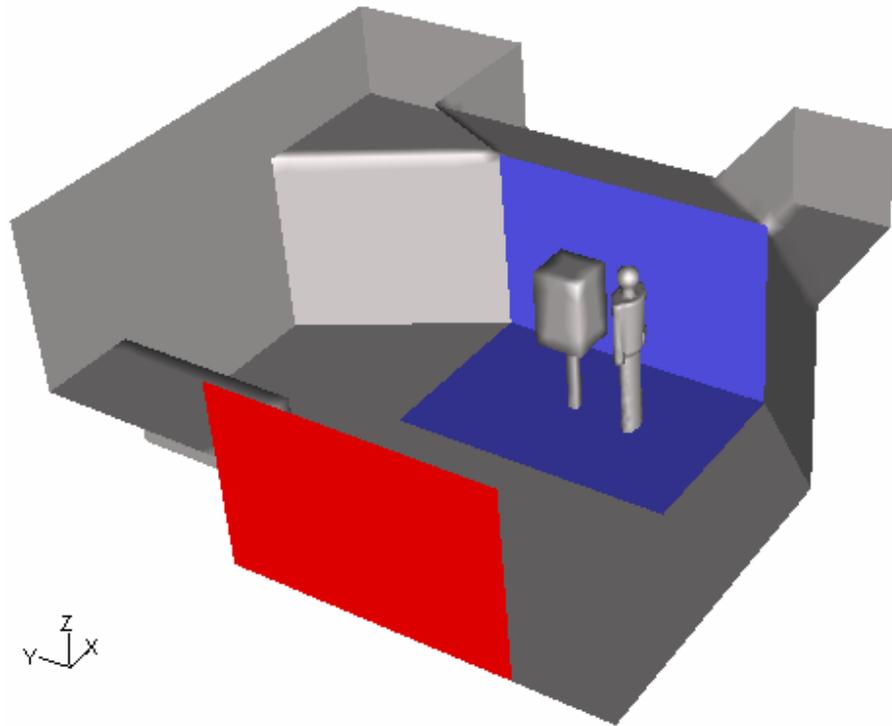


Strömungswege

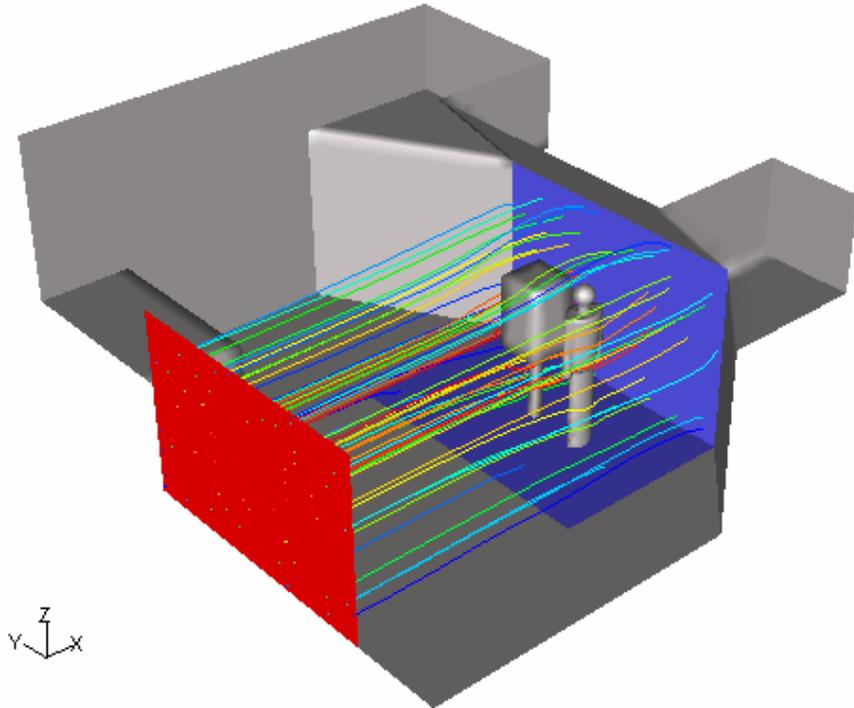
Kategorie C / Variante 4



Kategorie C / Variante 5

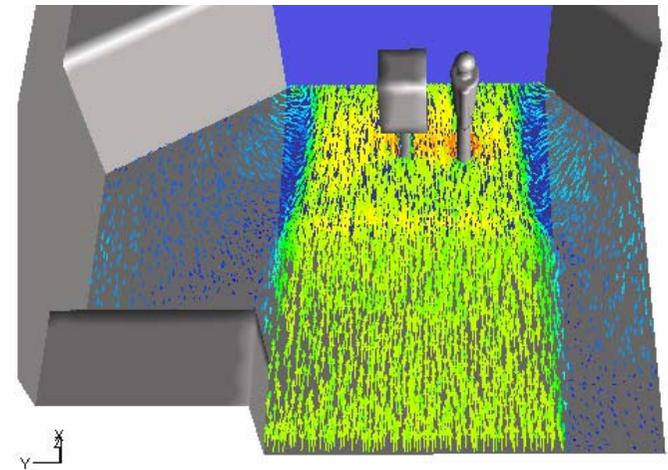
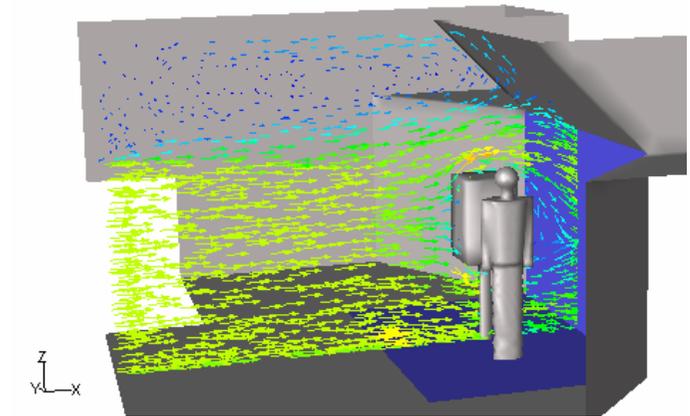
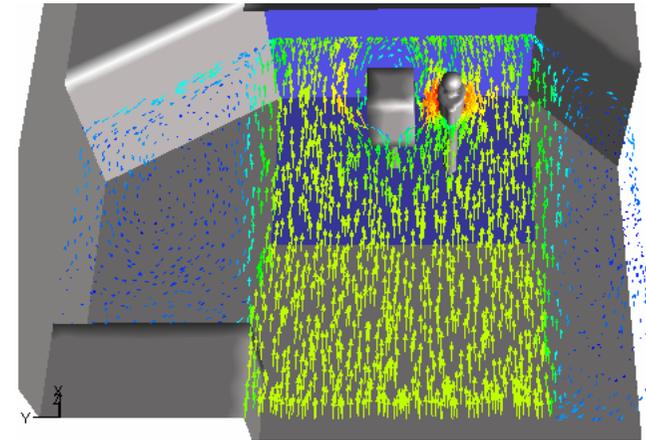
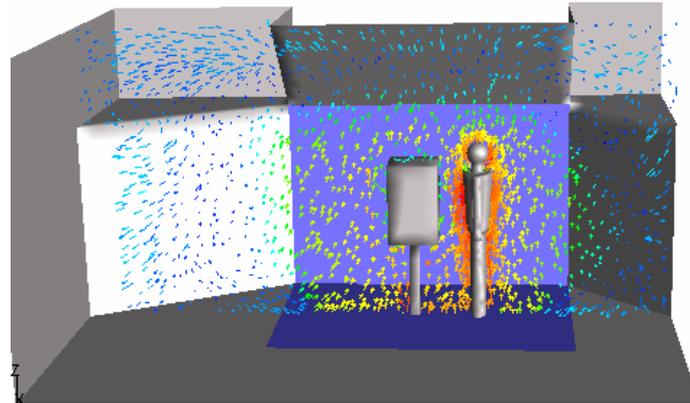
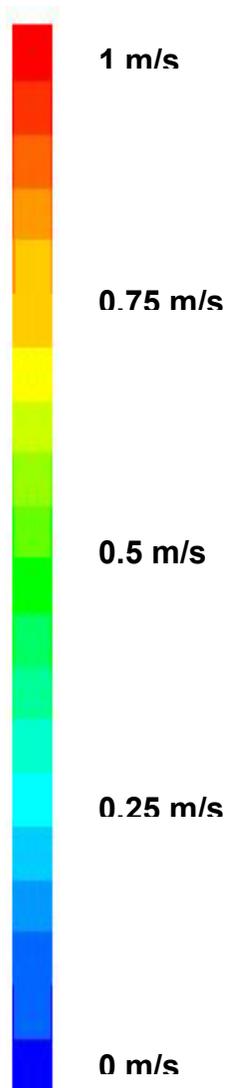


Raumdarstellung



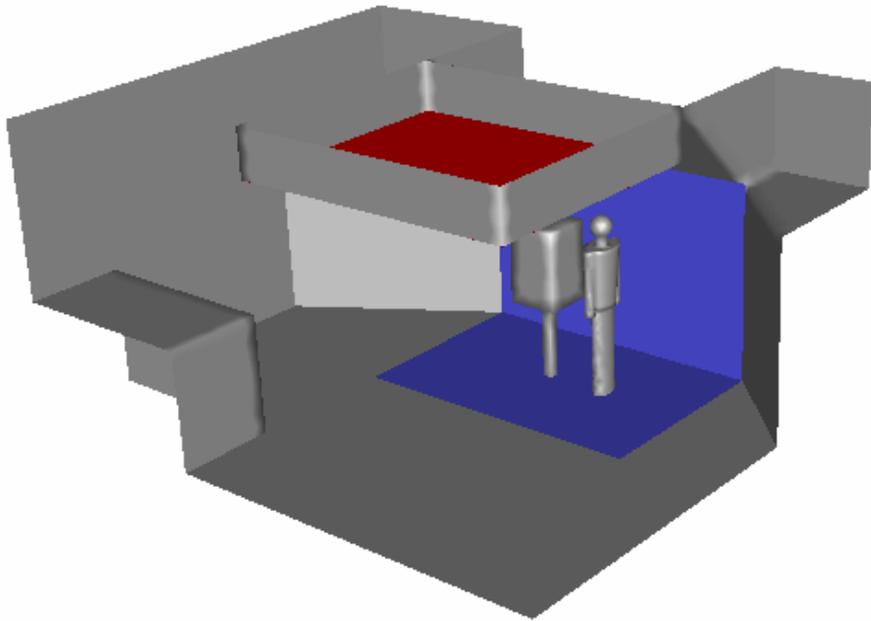
Strömungswege

Kategorie C / Variante 5

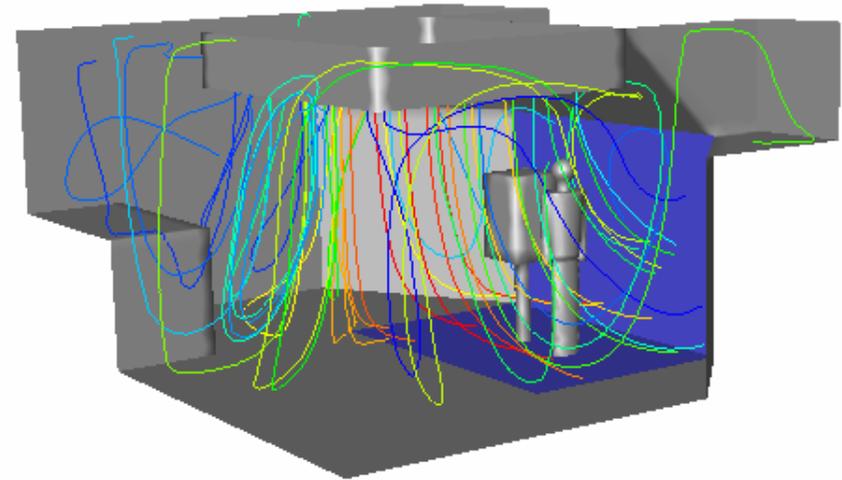


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie C / Variante 6

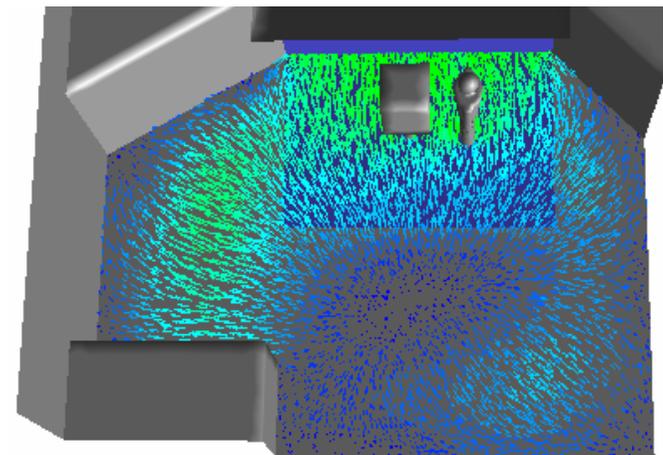
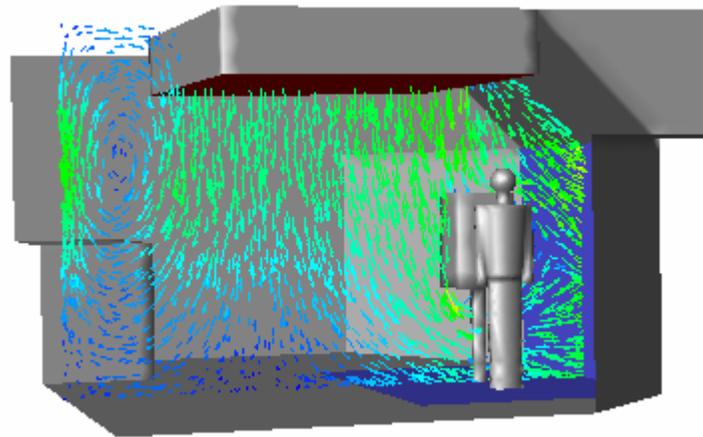
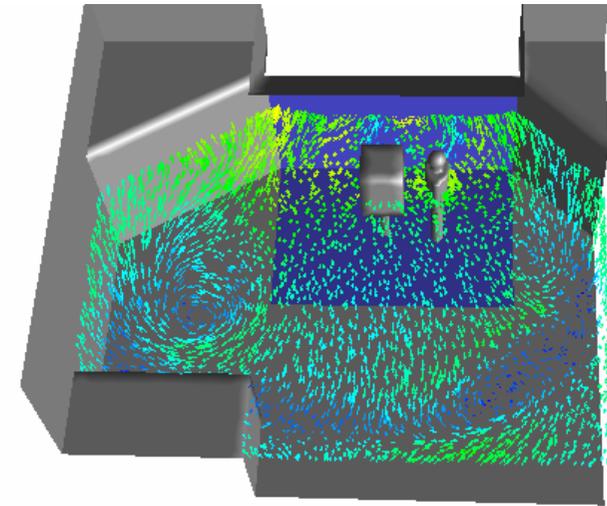
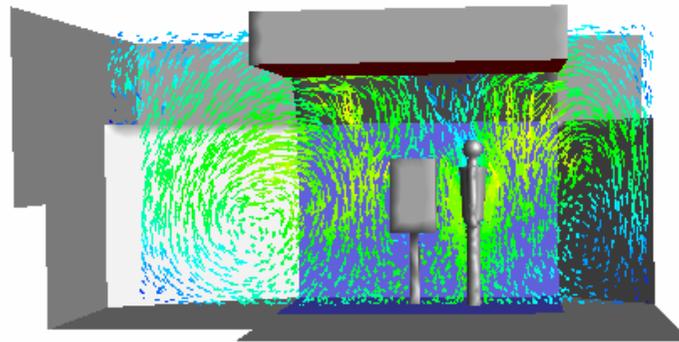
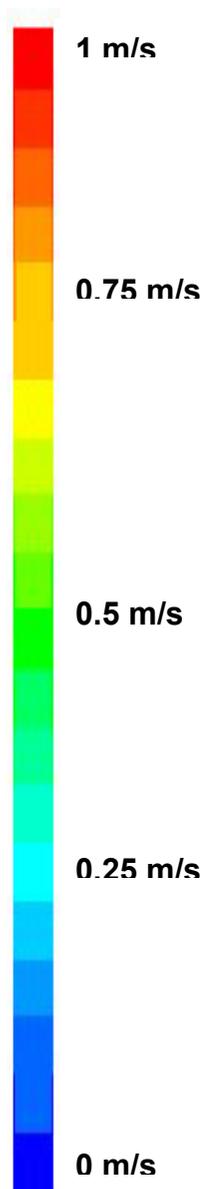


Raumdarstellung



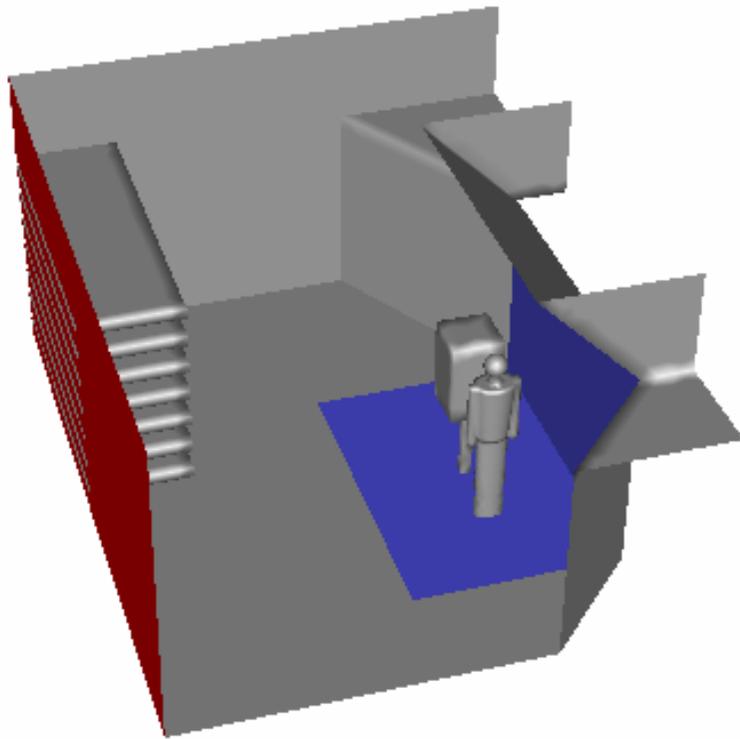
Strömungswege

Kategorie C / Variante 6

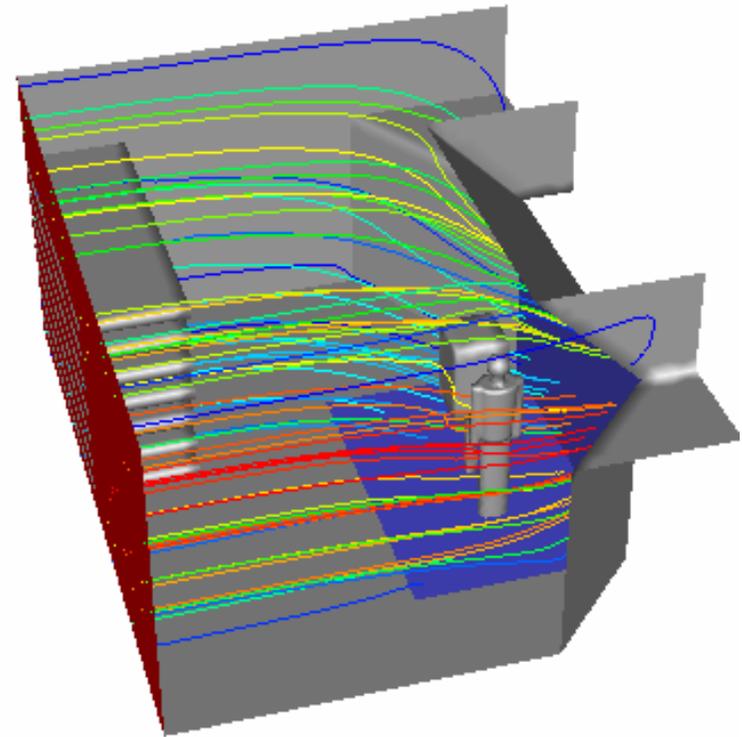


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie C / Variante 7

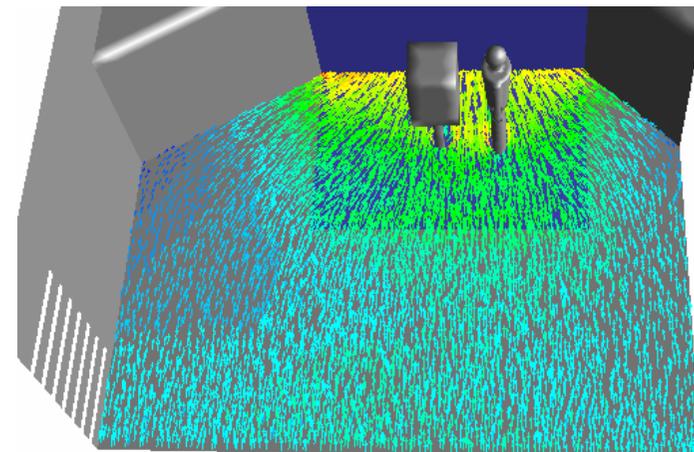
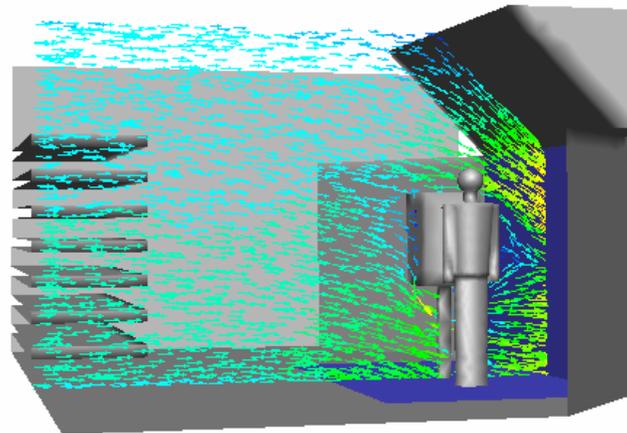
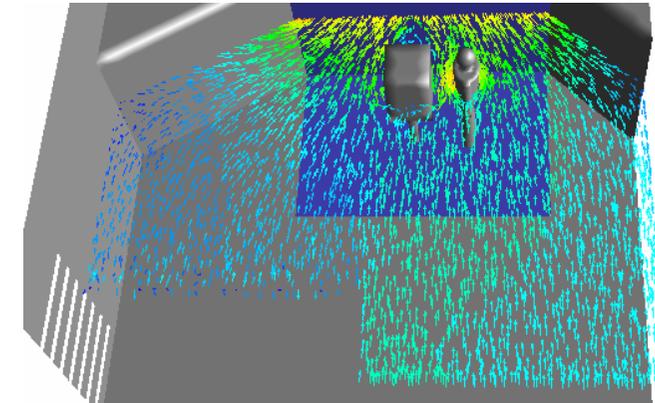
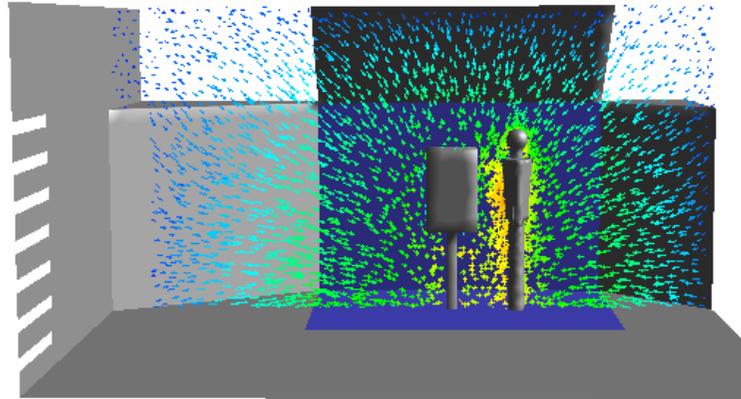
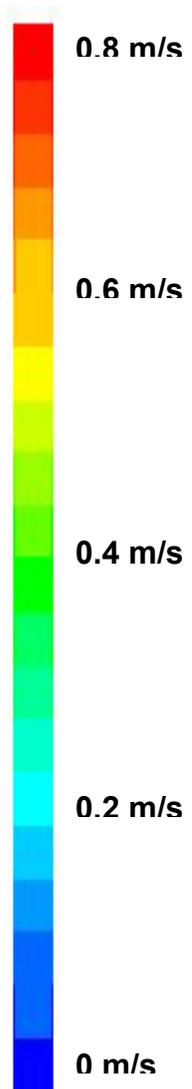


Raumdarstellung



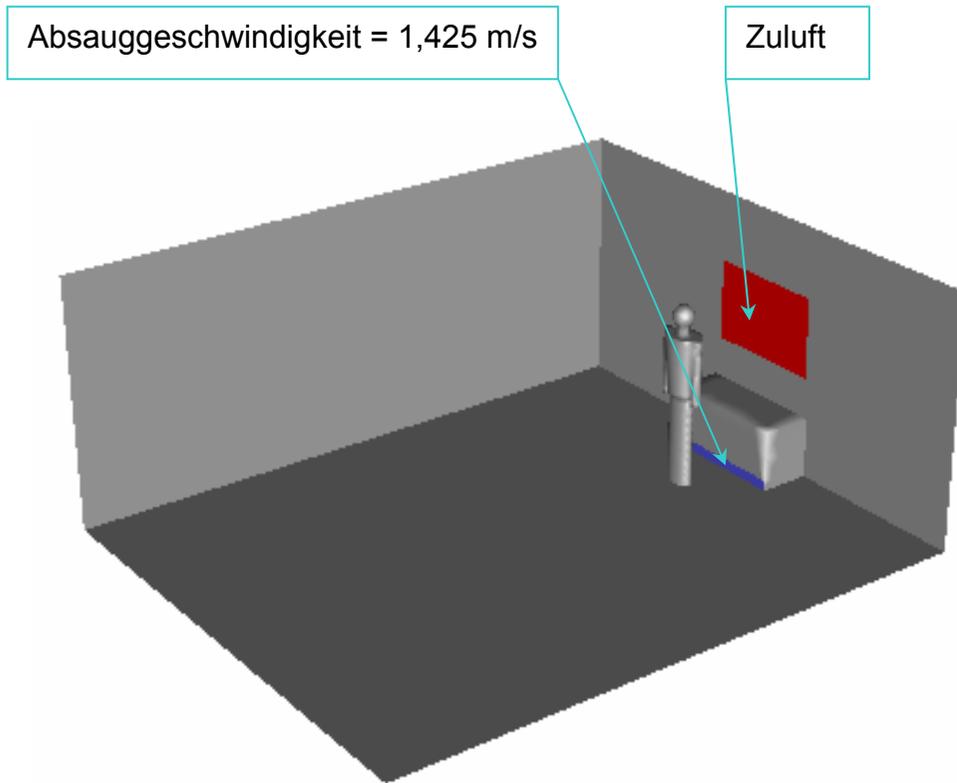
Strömungswege

Kategorie C / Variante 7

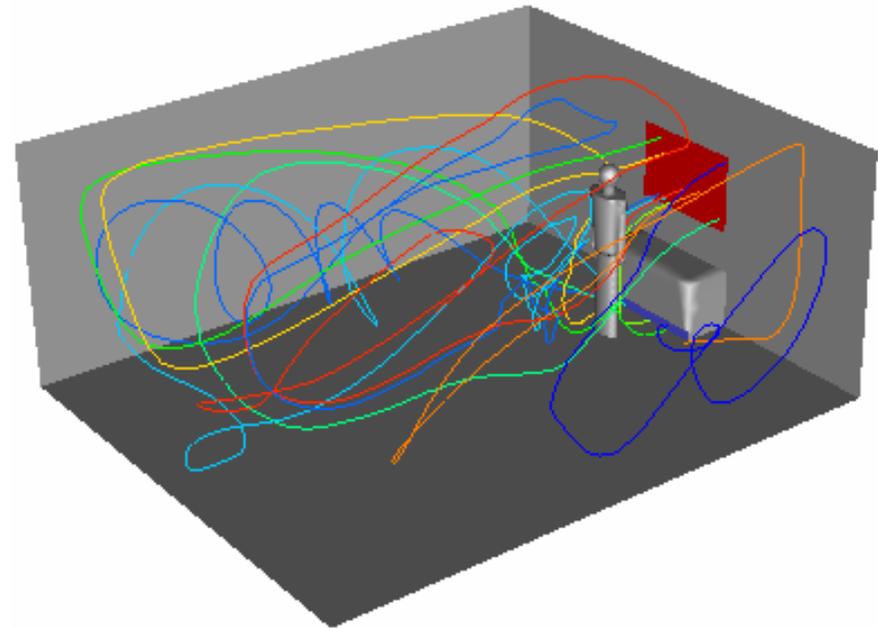


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie D / Variante 1

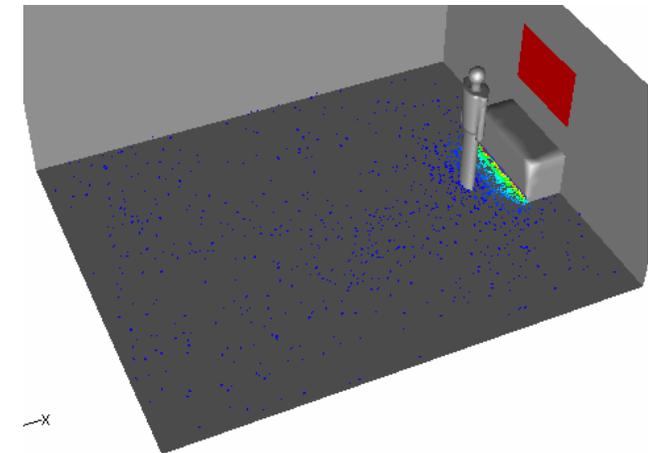
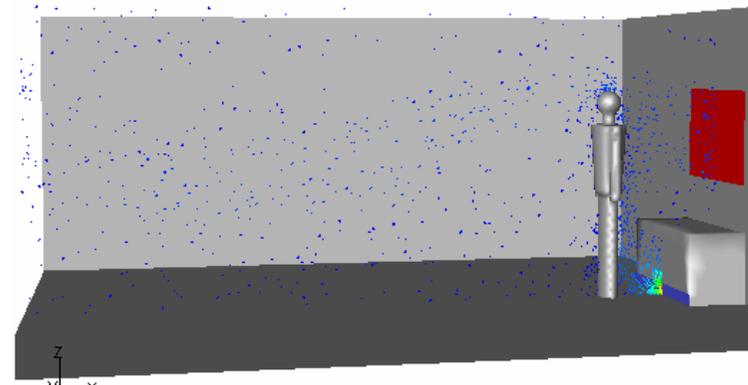
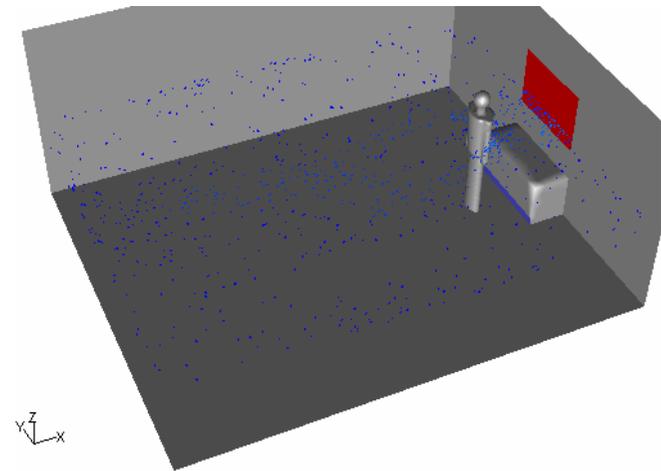
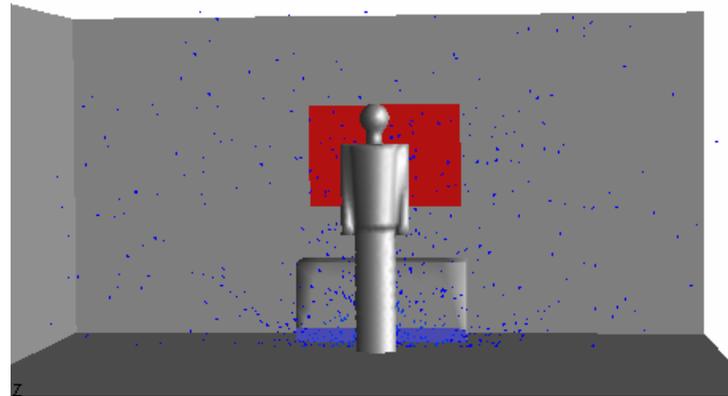
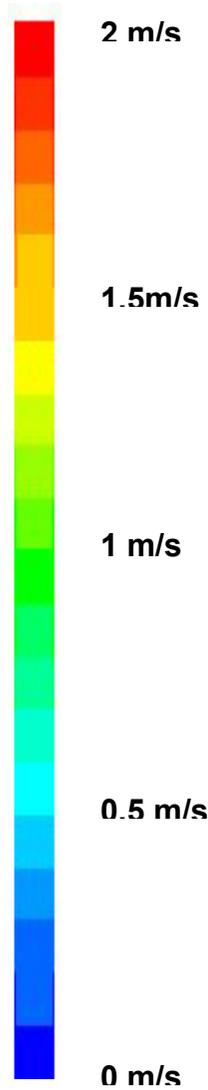


Raumdarstellung



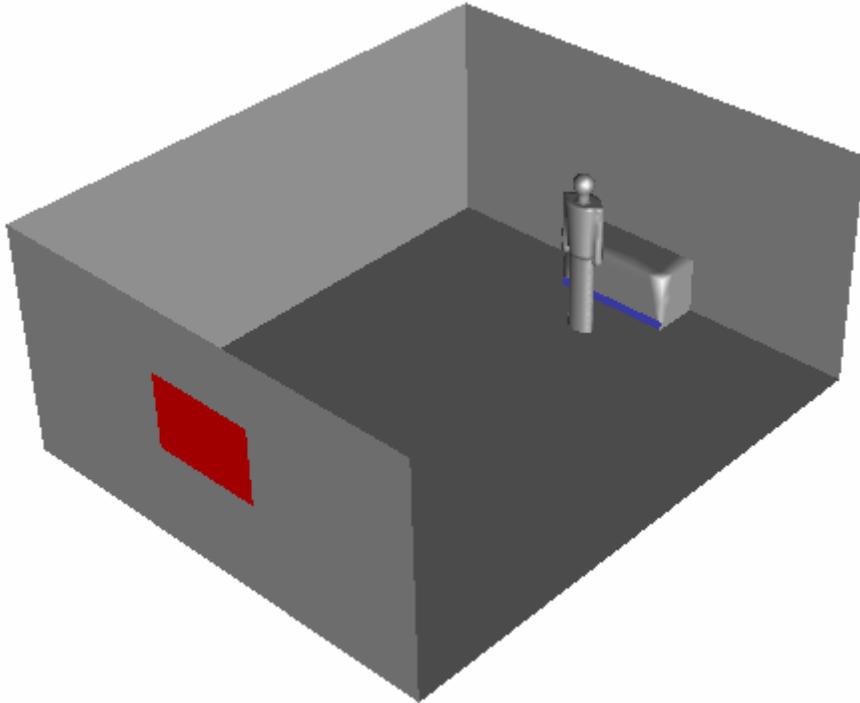
Strömungswege

Kategorie D / Variante 1

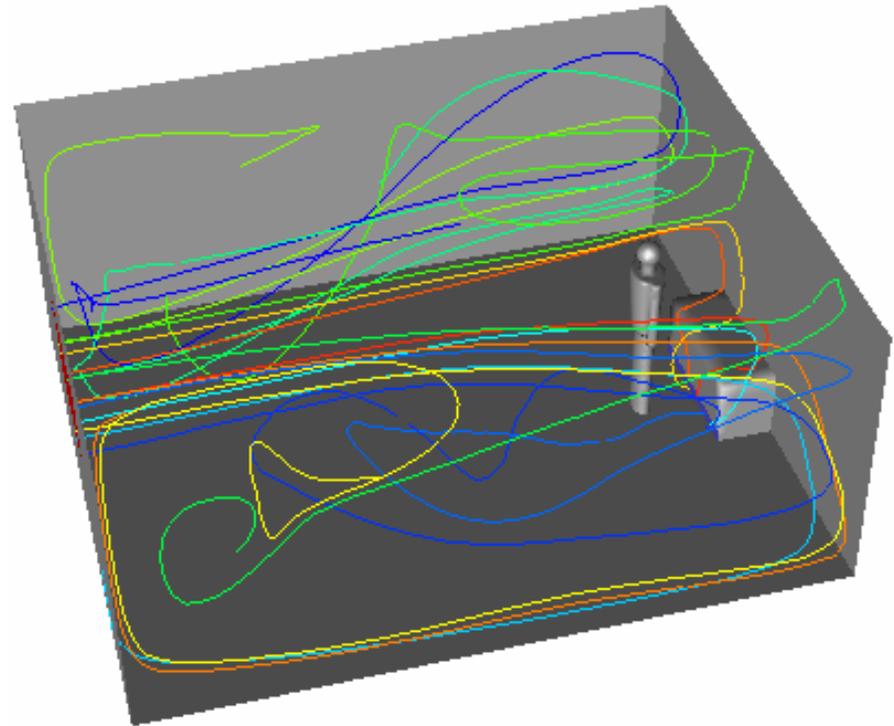


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie D / Variante 2

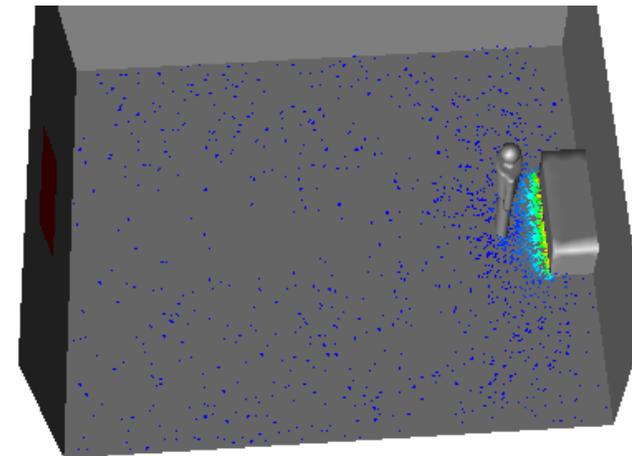
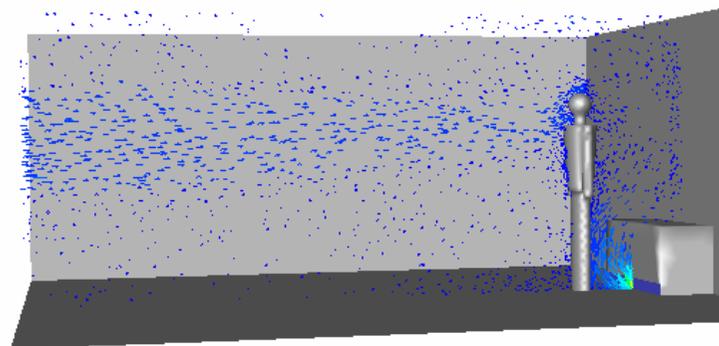
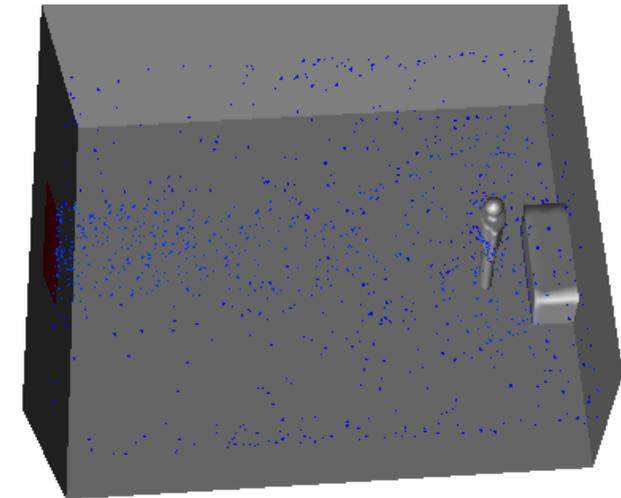
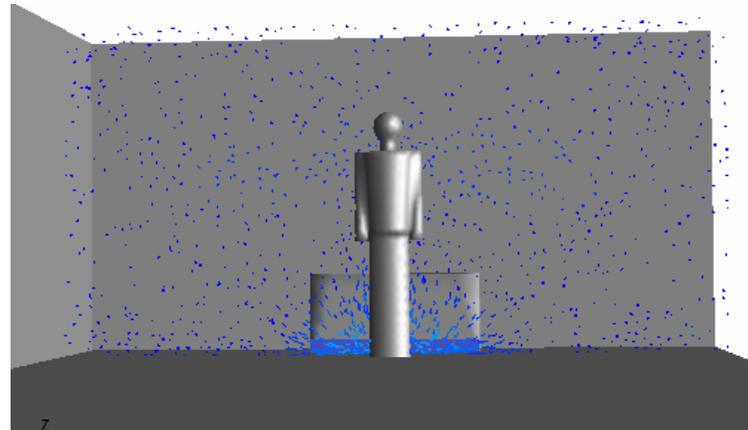
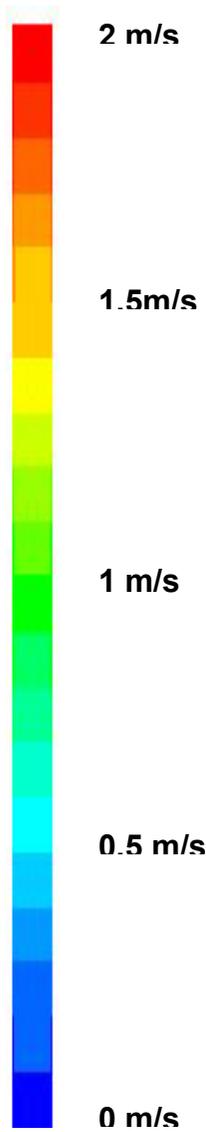


Raumdarstellung



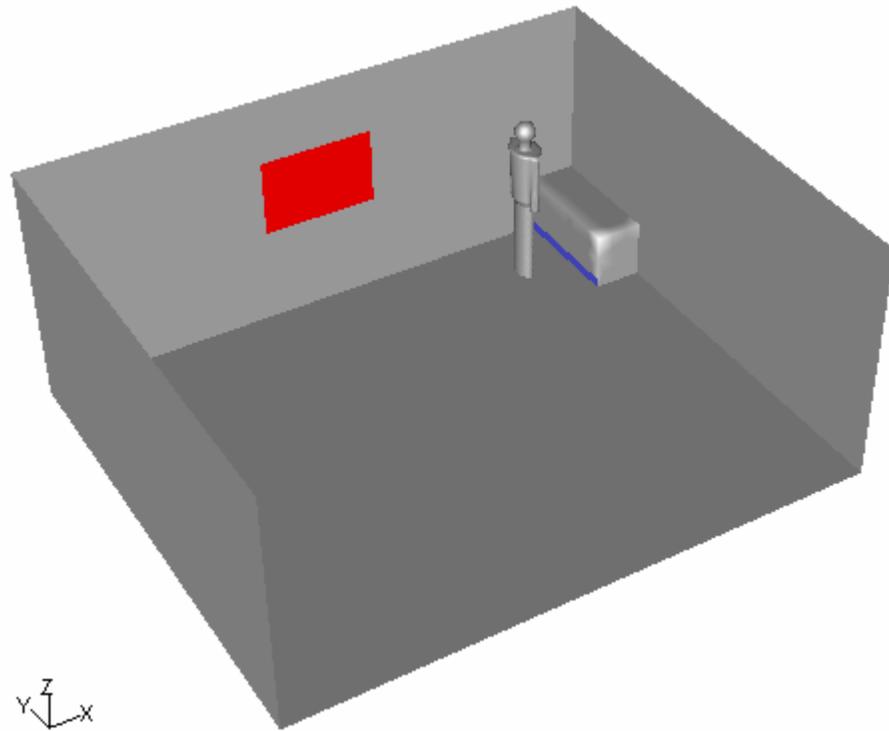
Strömungswege

Kategorie D / Variante 2

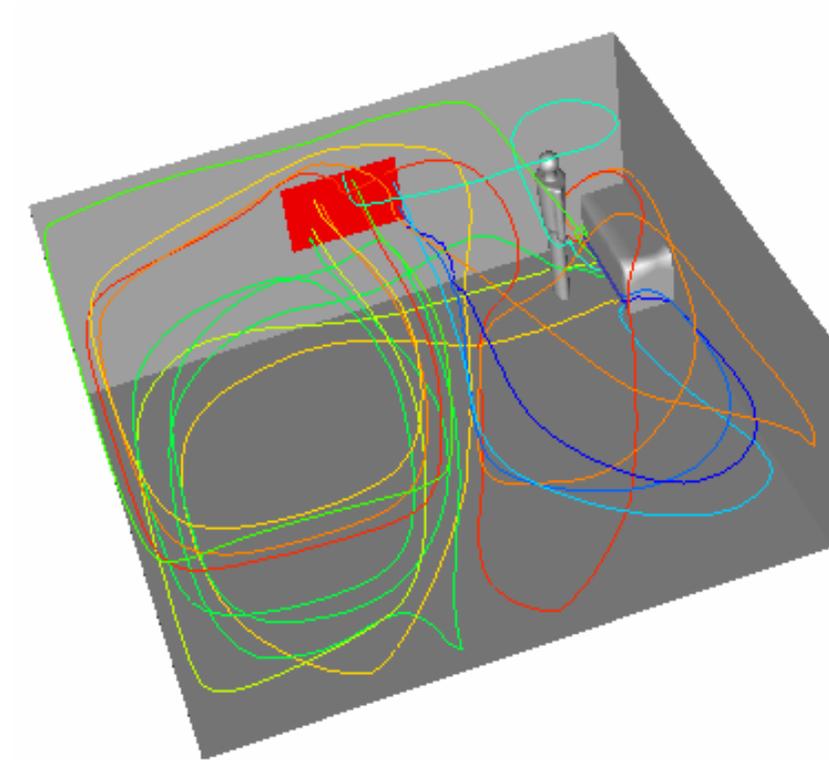


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie D / Variante 3

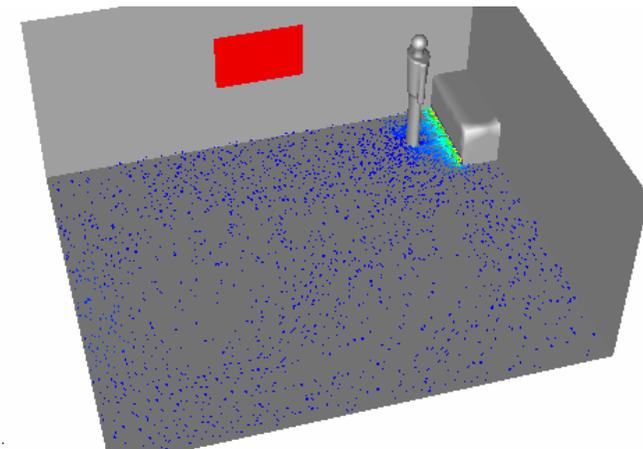
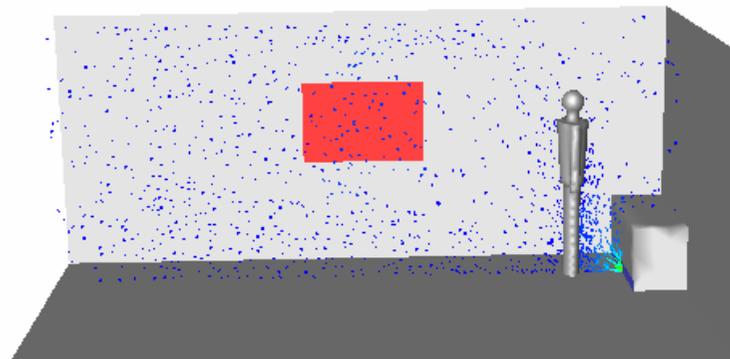
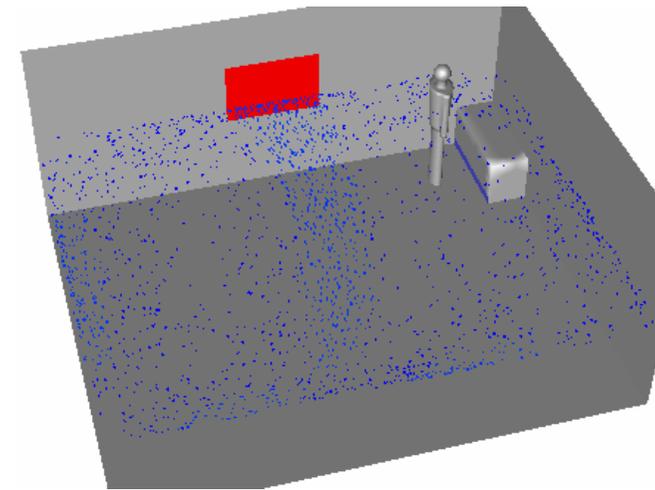
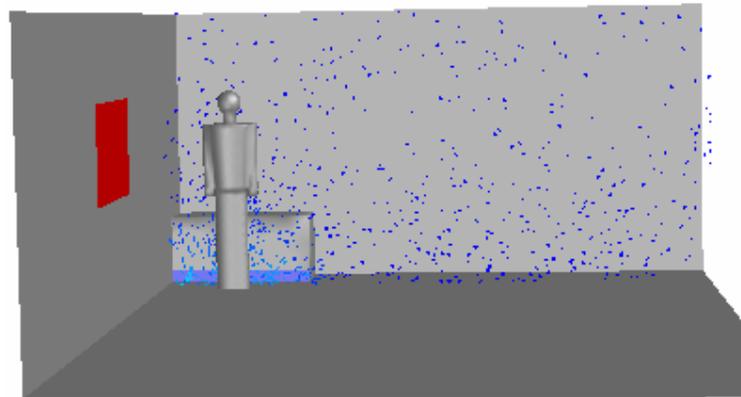
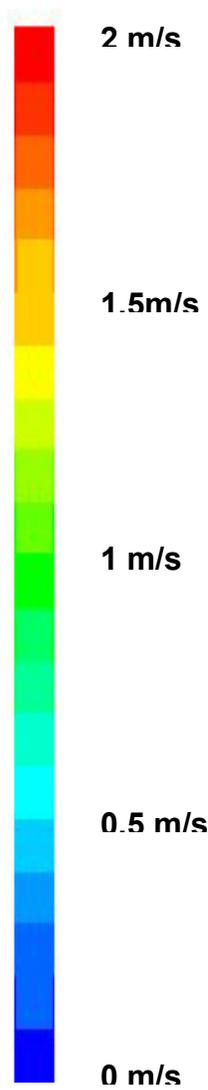


Raumdarstellung



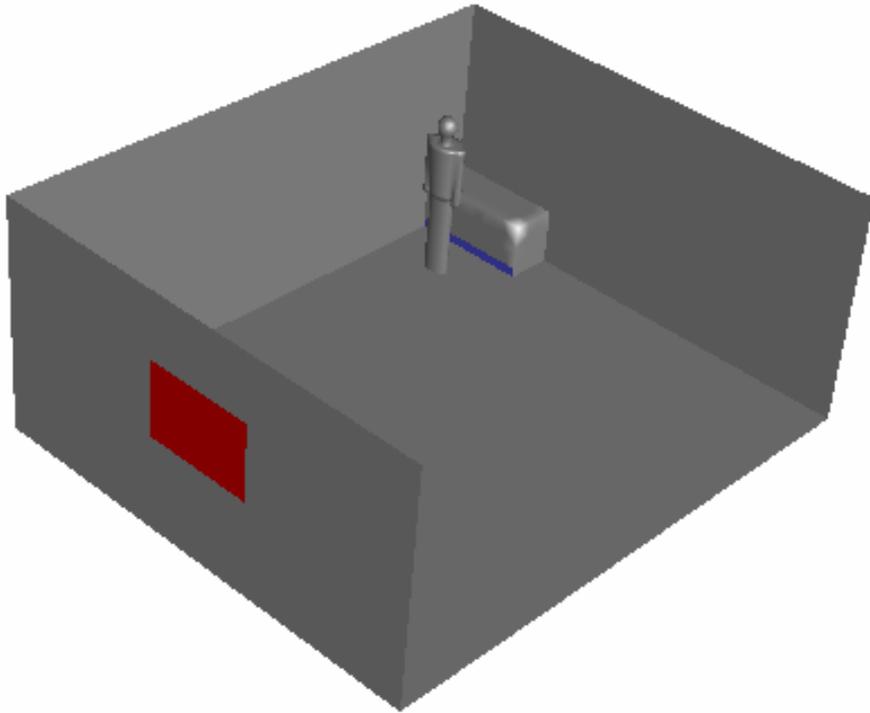
Strömungswege

Kategorie D / Variante 3

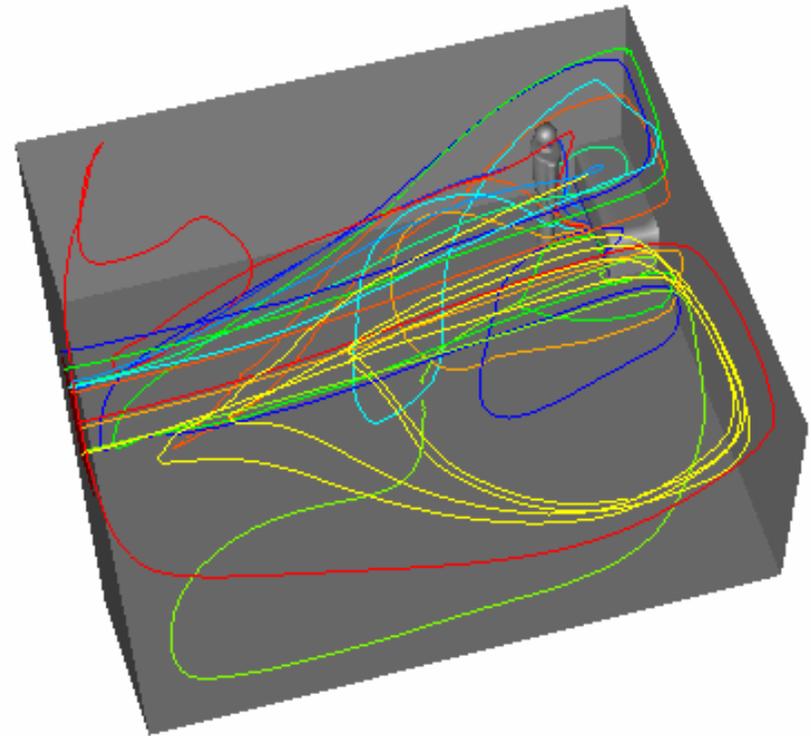


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie D / Variante 4

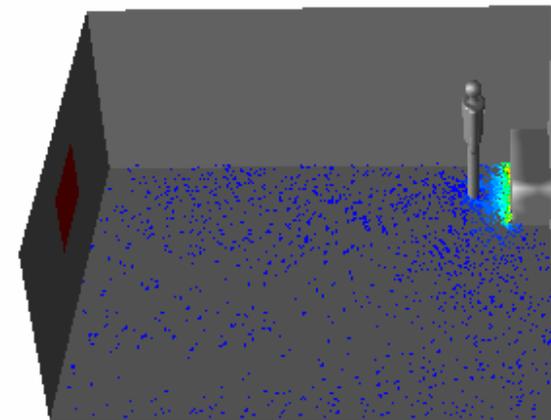
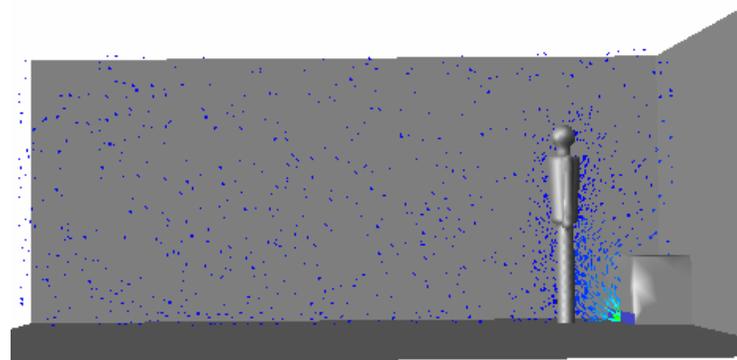
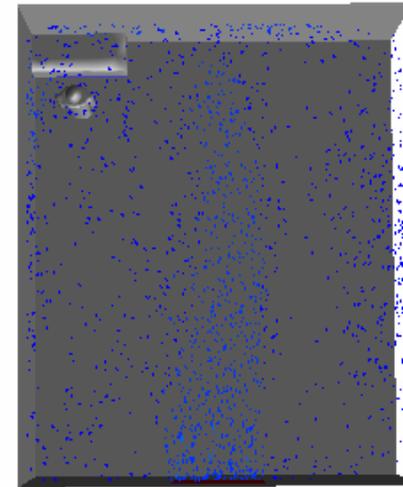
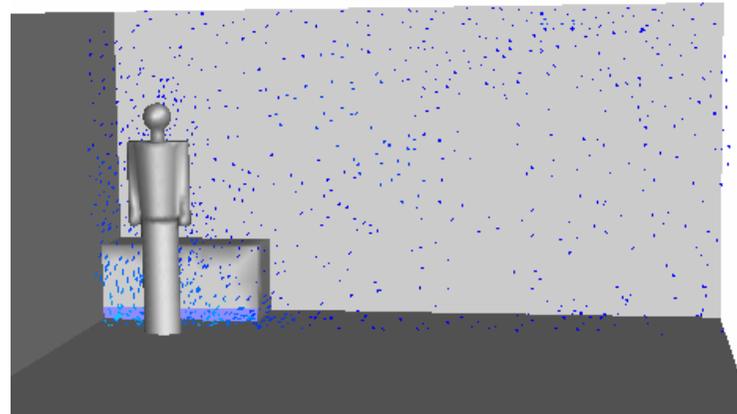
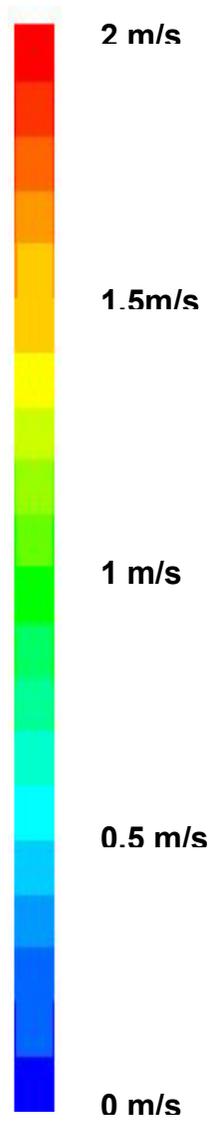


Raumdarstellung



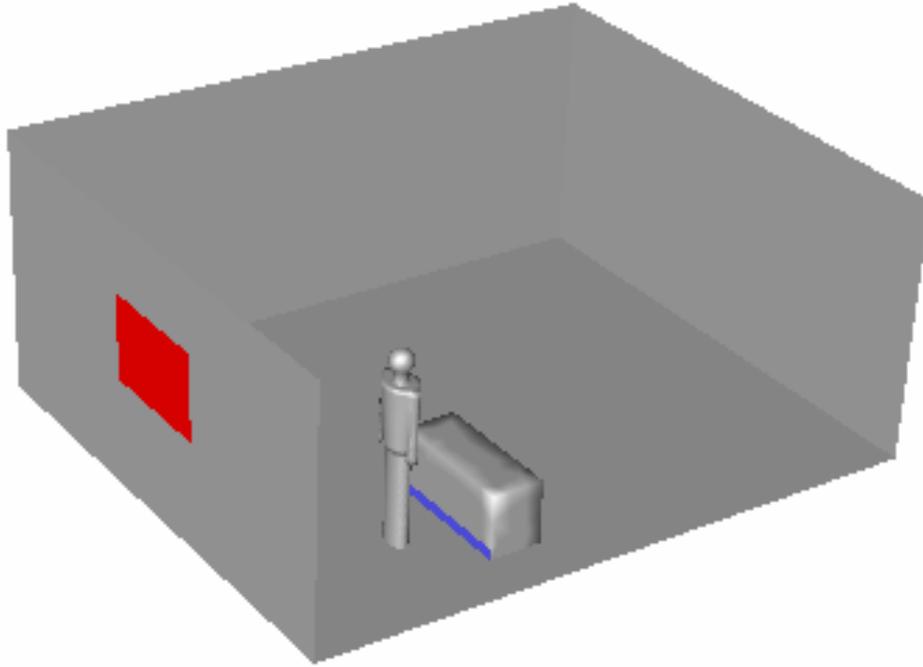
Strömungswege

Kategorie D / Variante 4

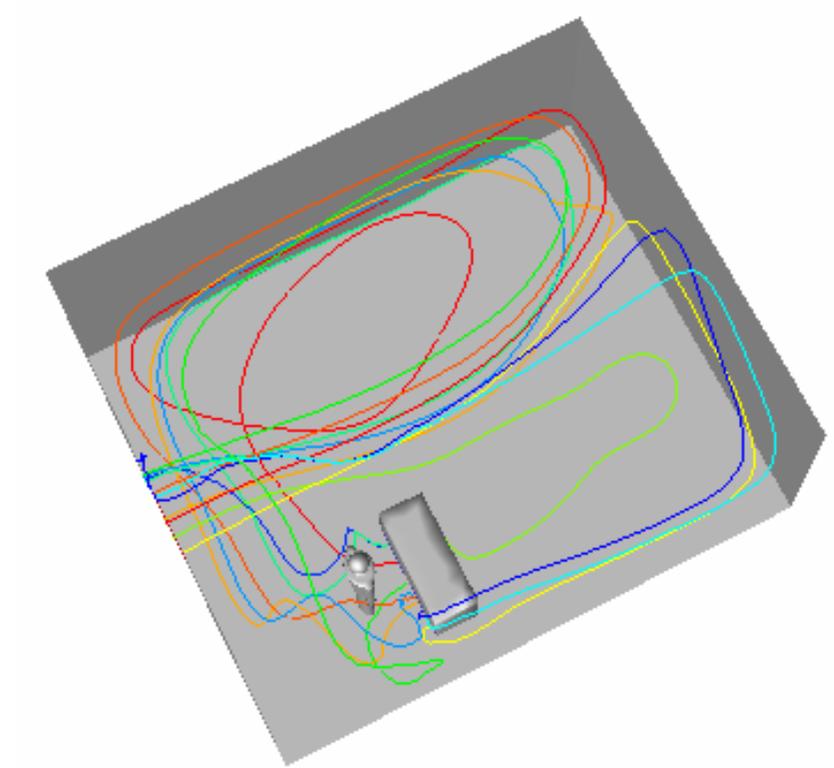


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie D / Variante 5

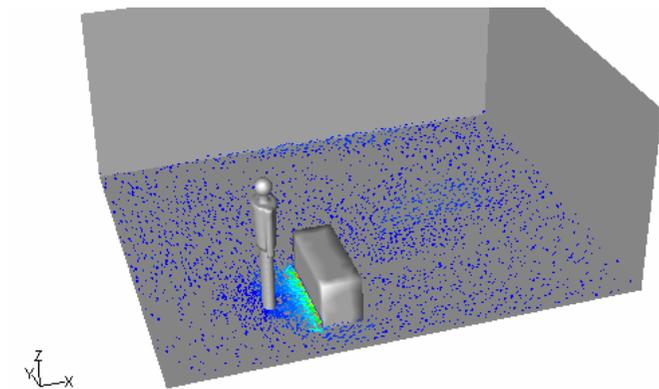
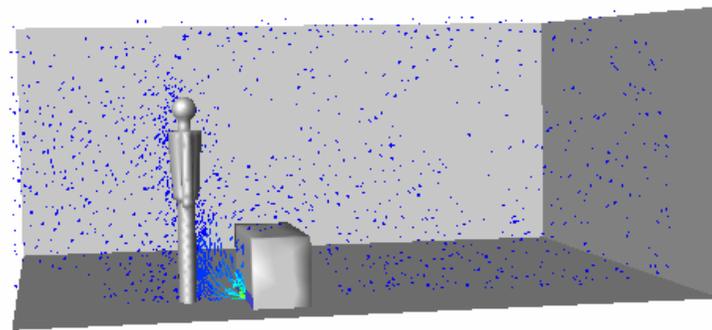
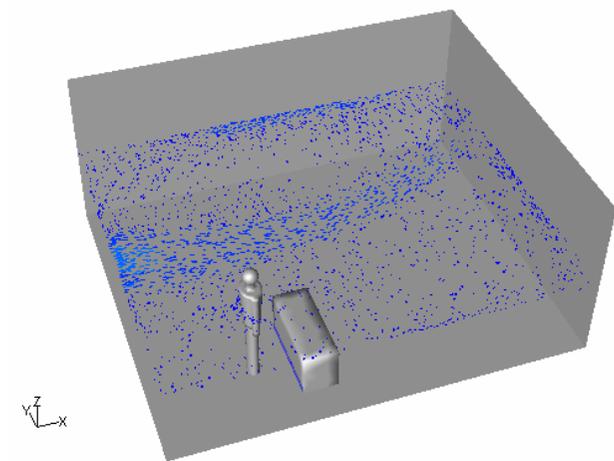
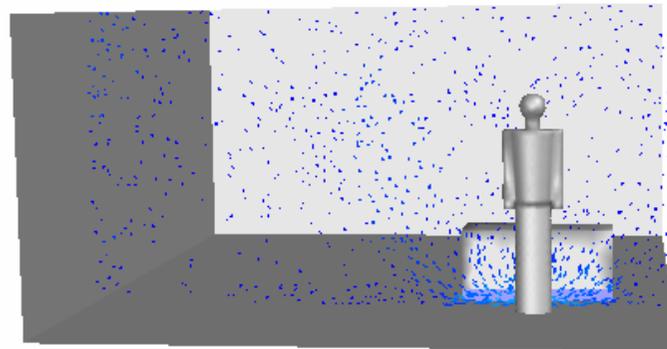
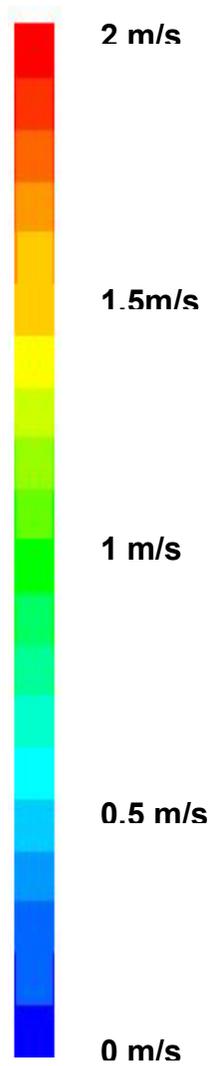


Raumdarstellung



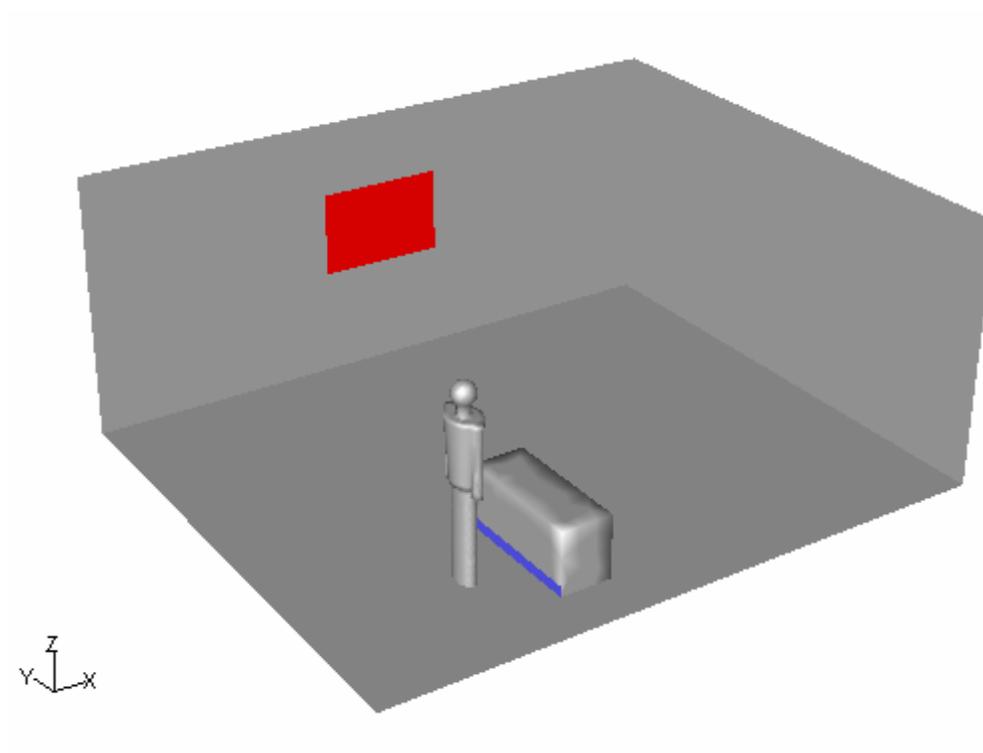
Strömungswege

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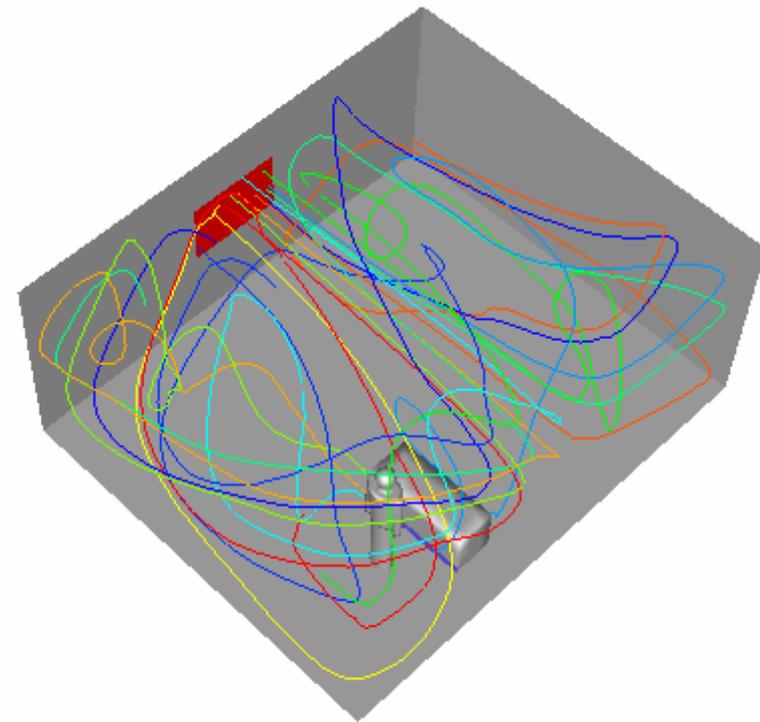


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie D / Variante 6

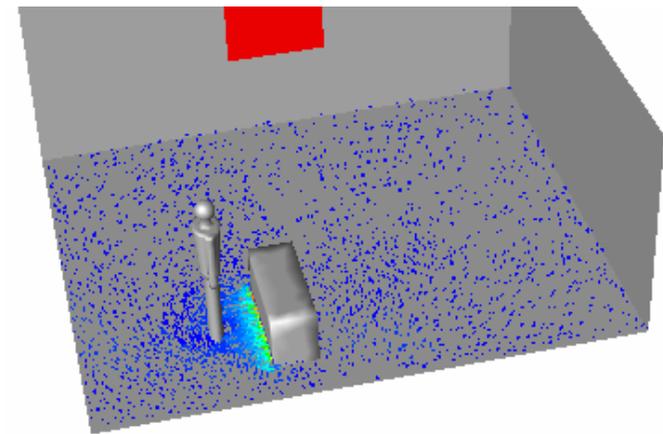
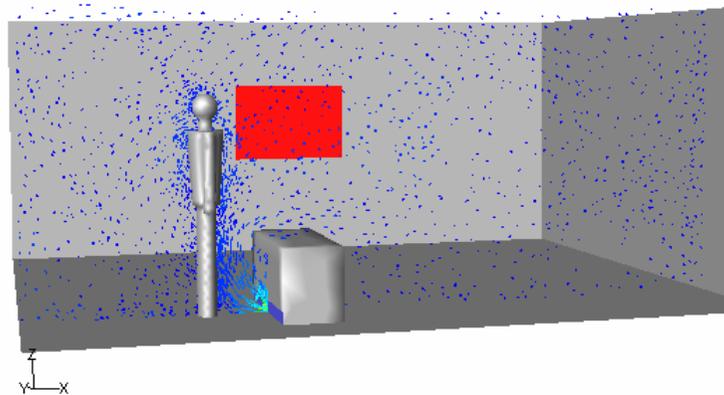
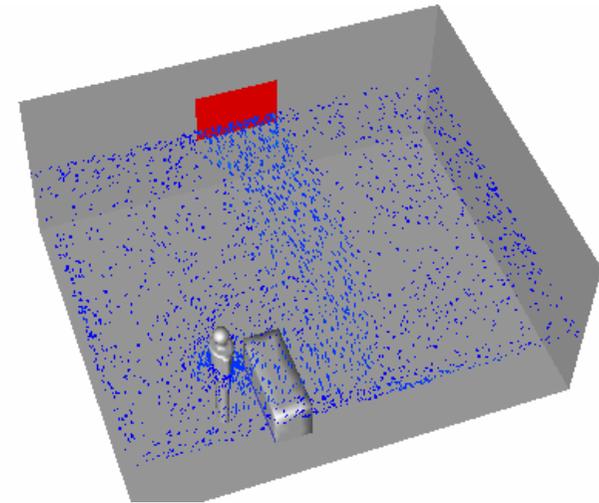
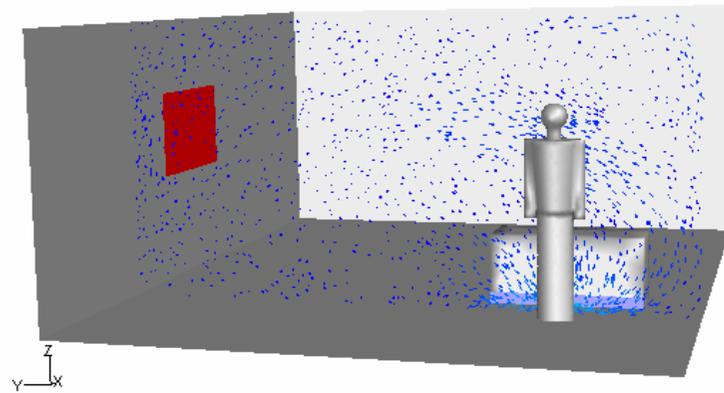
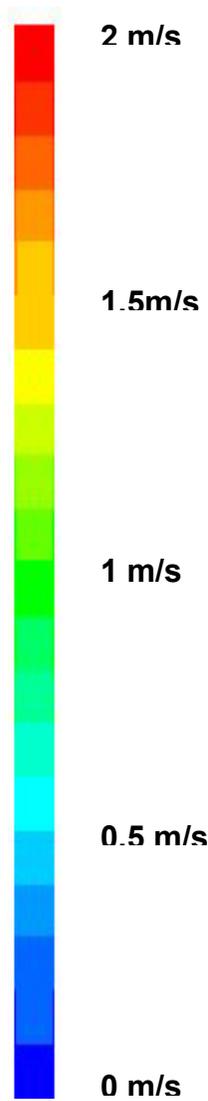


Raumdarstellung



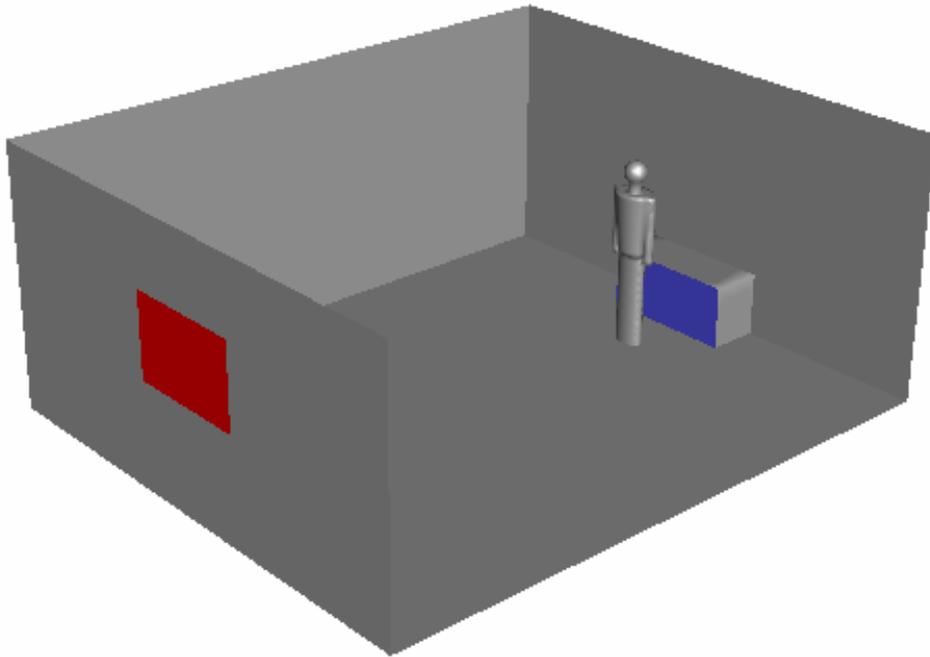
Strömungswege

Kategorie D / Variante 6

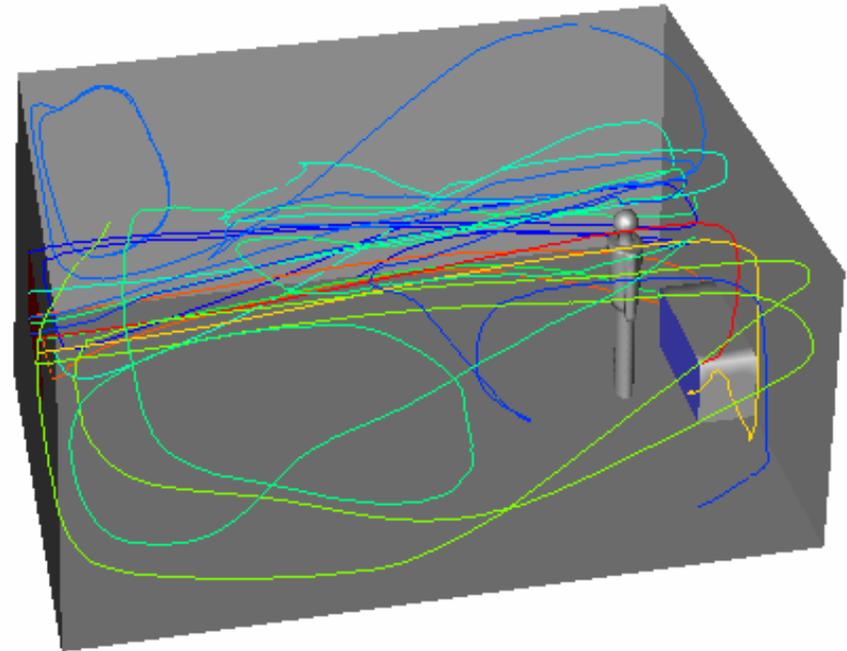


Schnittebenen mit Geschwindigkeitsvektoren

Kategorie D / Variante 7

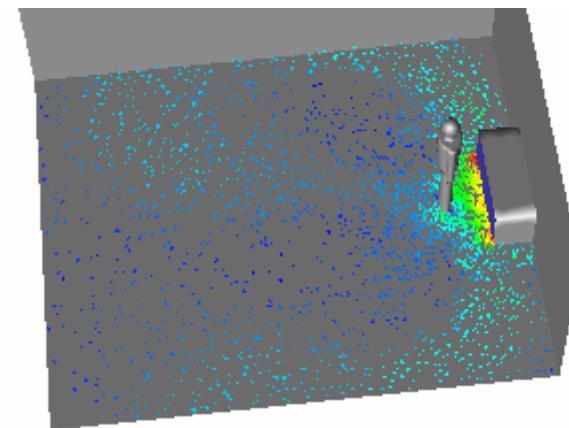
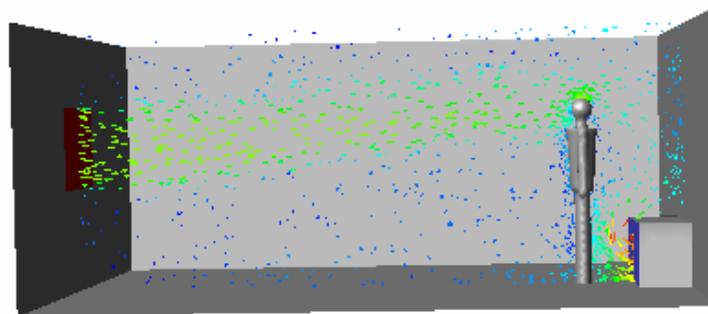
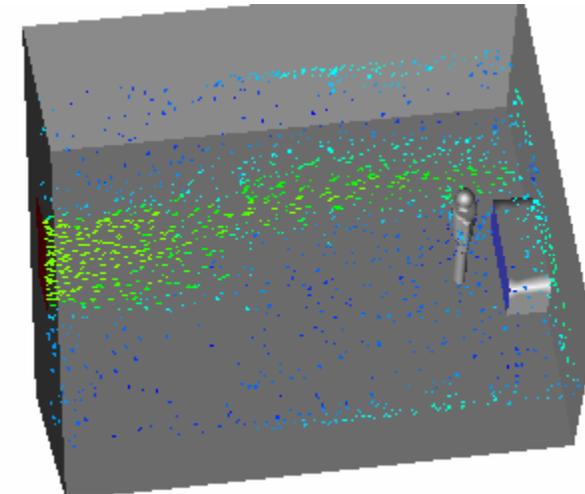
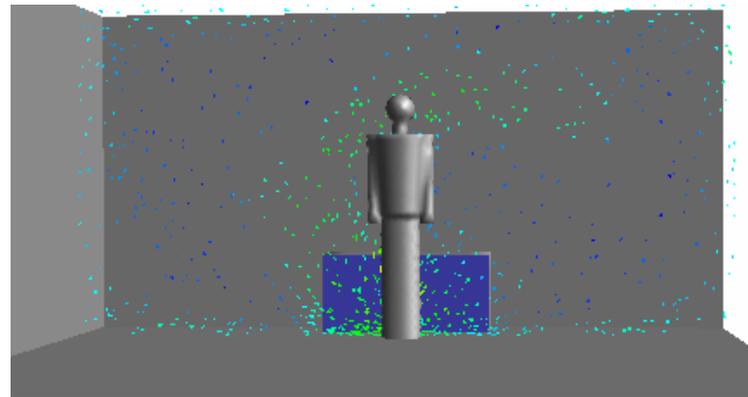
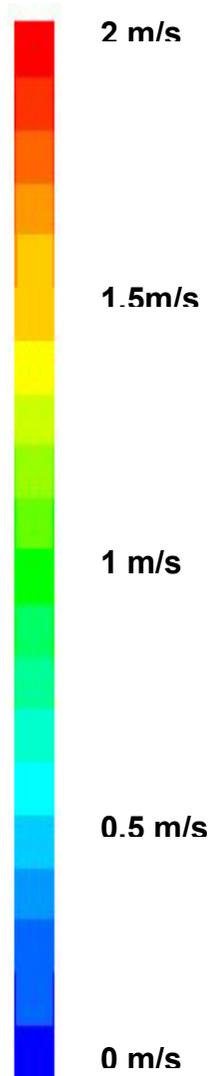


Raumdarstellung



Strömungswege

Kategorie D / Variante 7



Schnittebenen mit Geschwindigkeitsvektoren