Druckbelüftungsanlagen (DBA) – gut geplant und doch nicht wirksam? Häufige Fehler bei Planung und Inbetriebnahme

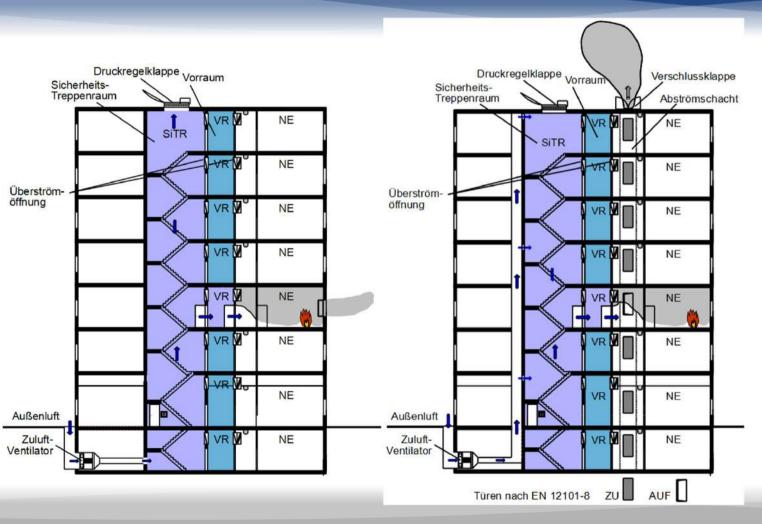
Dipl. – Ing. Bernd Konrath

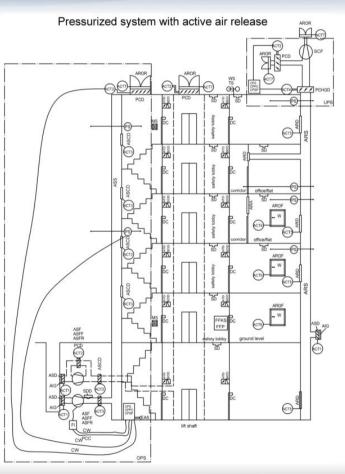
München, 22.11.2024



Druckbelüftungsanlagen – einfach oder komplex

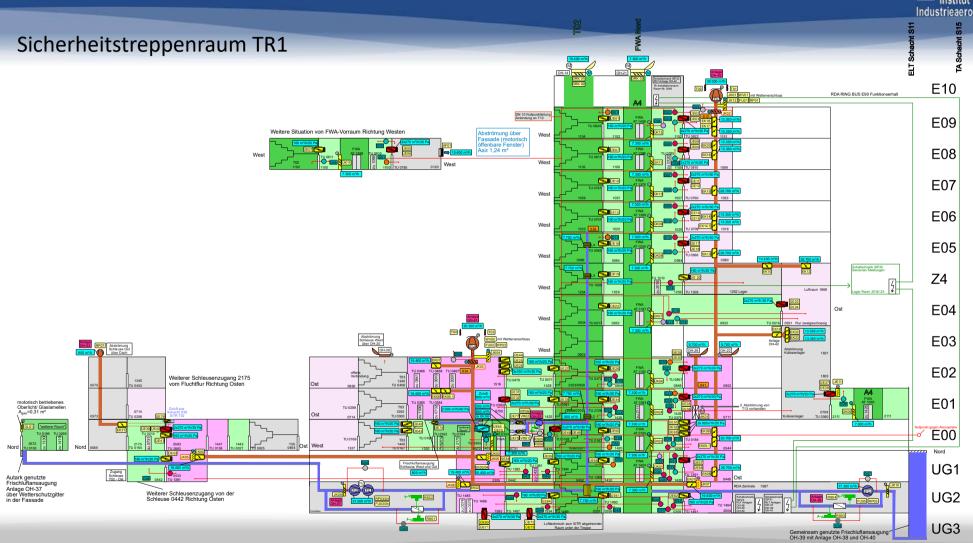




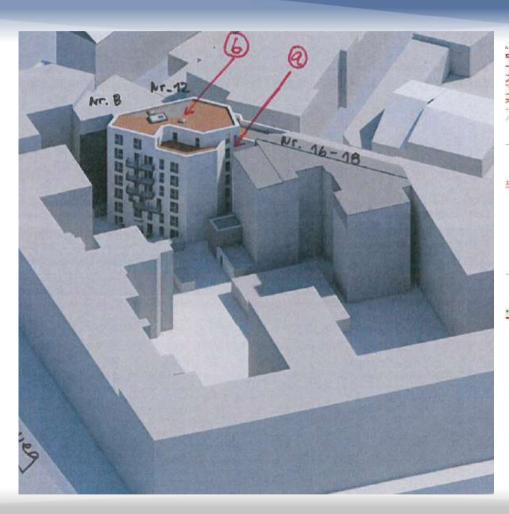


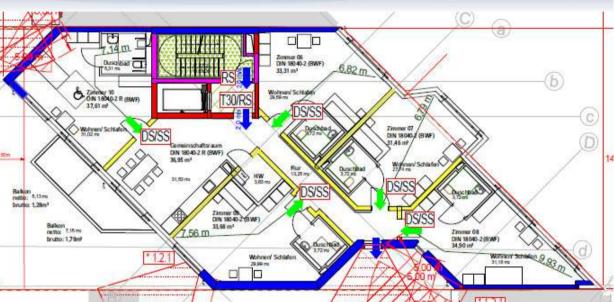
Druckbelüftungsanlagen – einfach oder komplex







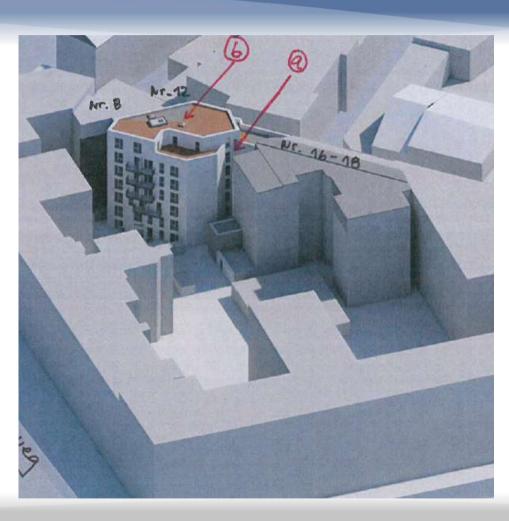


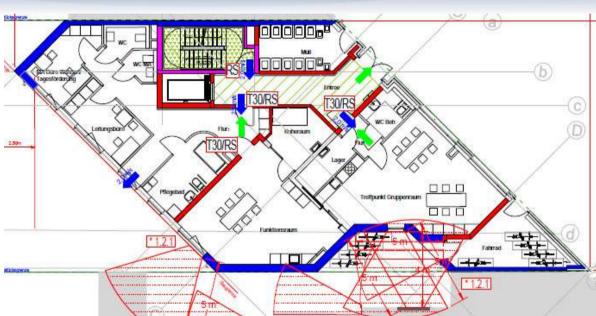


Obergeschoss

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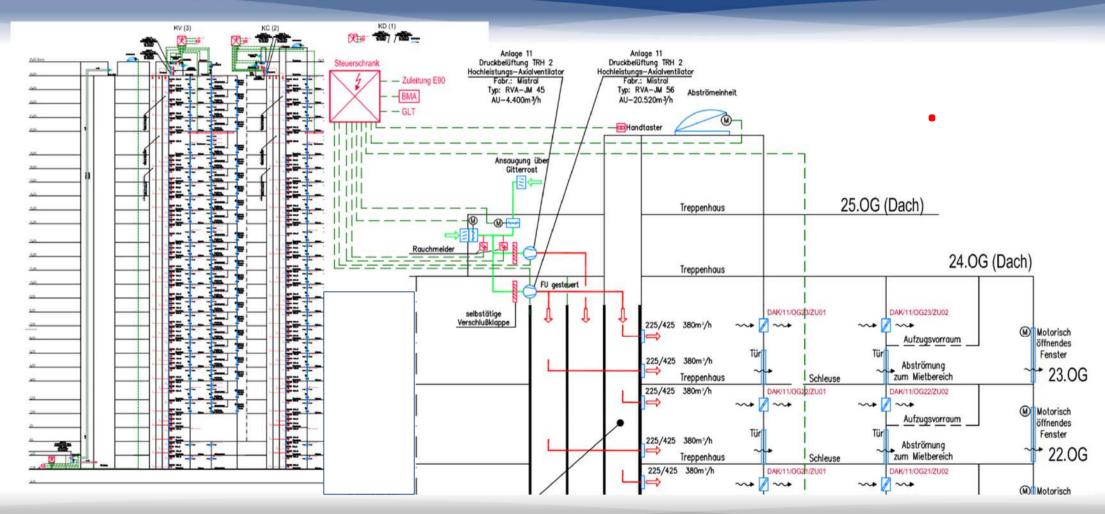


Erdgeschoss

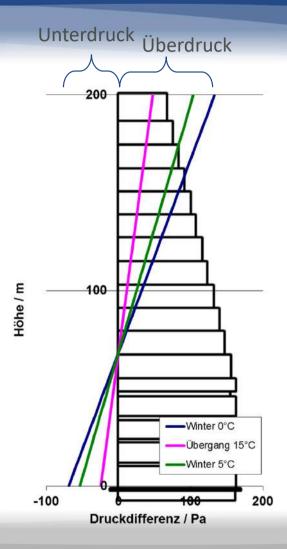












Wirkung auf alle vertikalen Schächte

- TR,
- Abströmschächte
- Liftschächte incl. FWL

Verschiedene Auswirkung

- Isotherm
- Winter
- Sommer

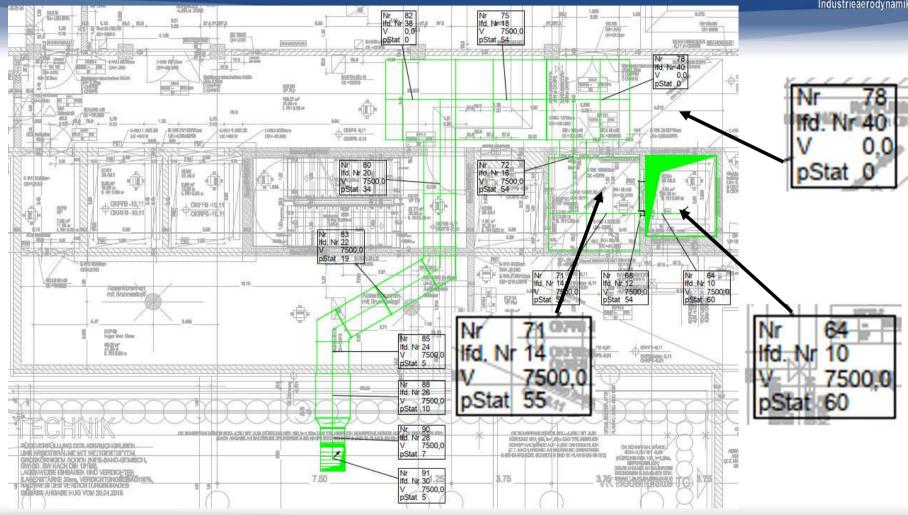
Lage Nulldurchgang:

- Abhängig von Leckageverteilung Wirkung auf
- Druck (gschl. Türen)
- Volumenstrom (offene Türen)



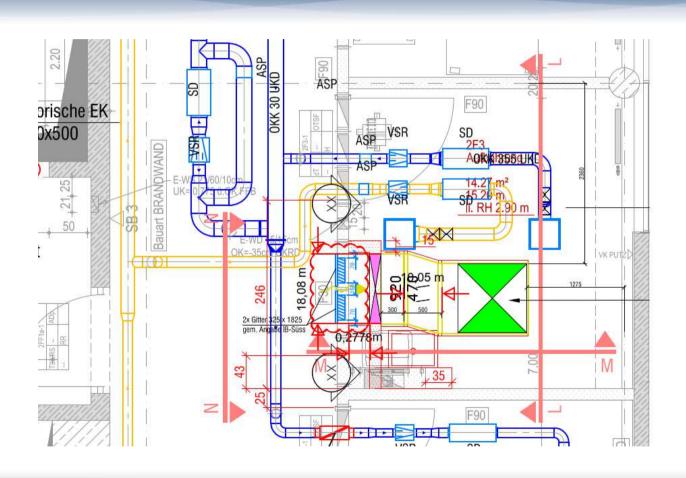
Druckverluste





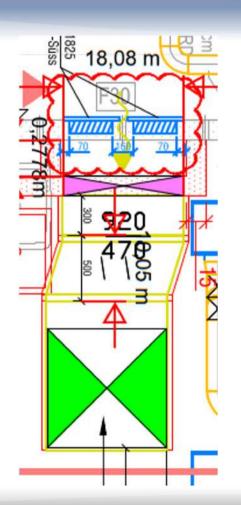
Druckverluste

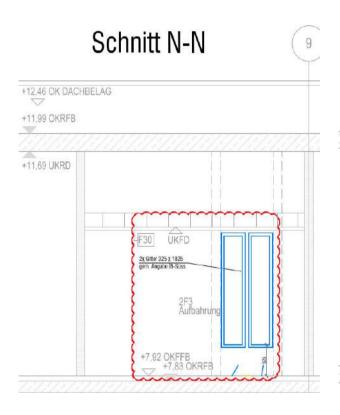


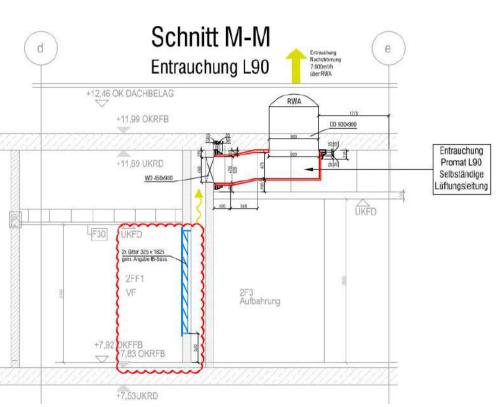


Druckverluste

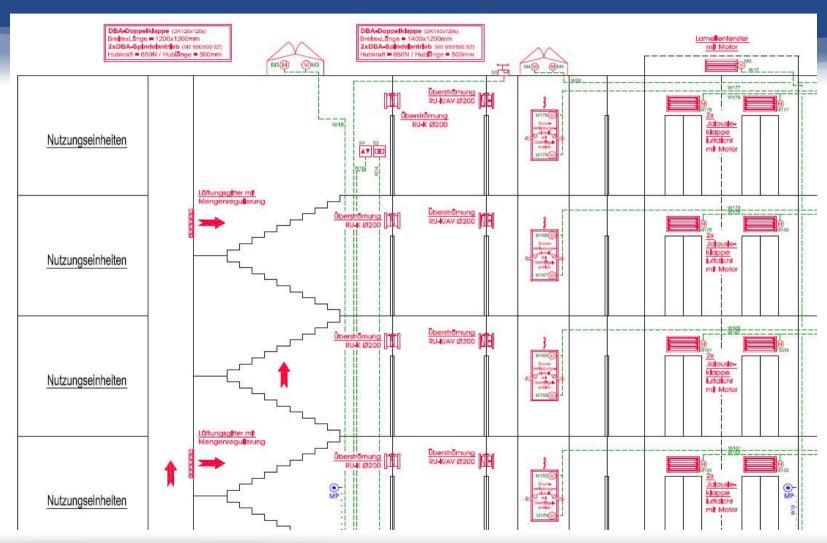




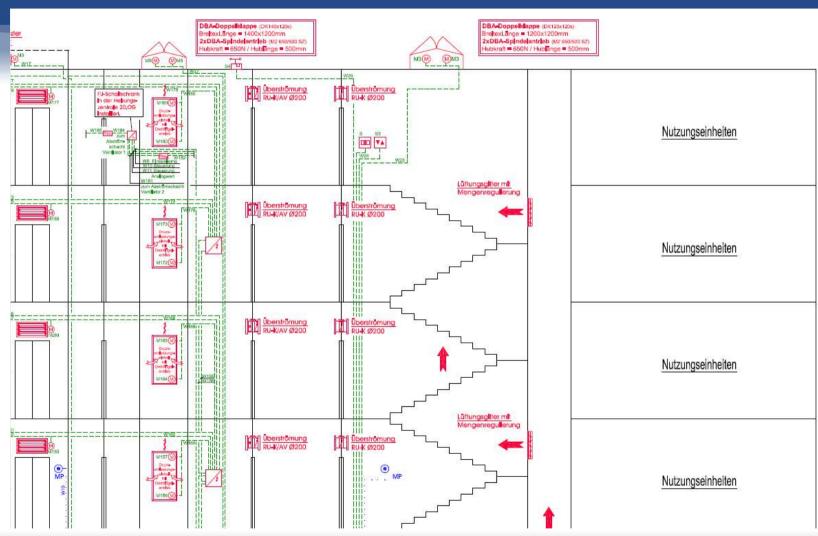






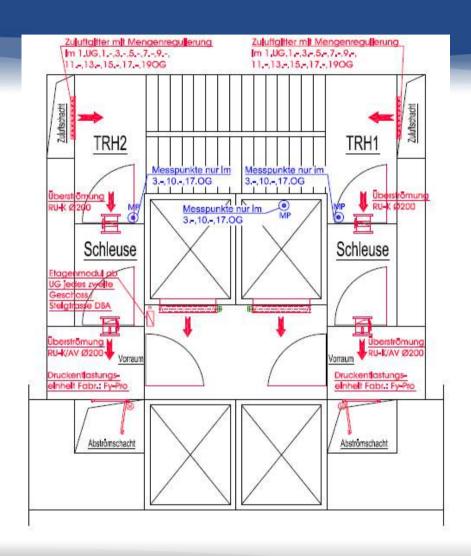




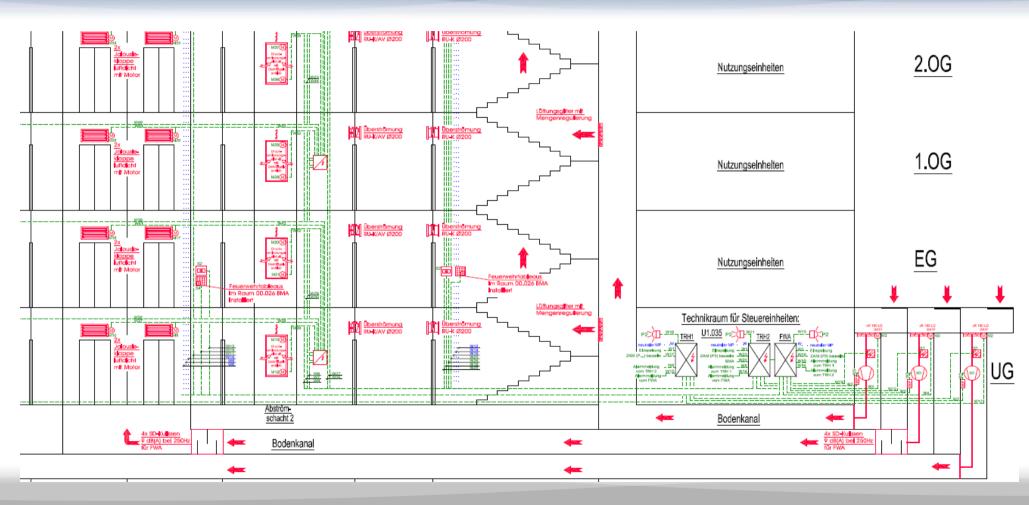




Druckmessungen
Von wo nach wo?
Wie erfolgt die Regelung?







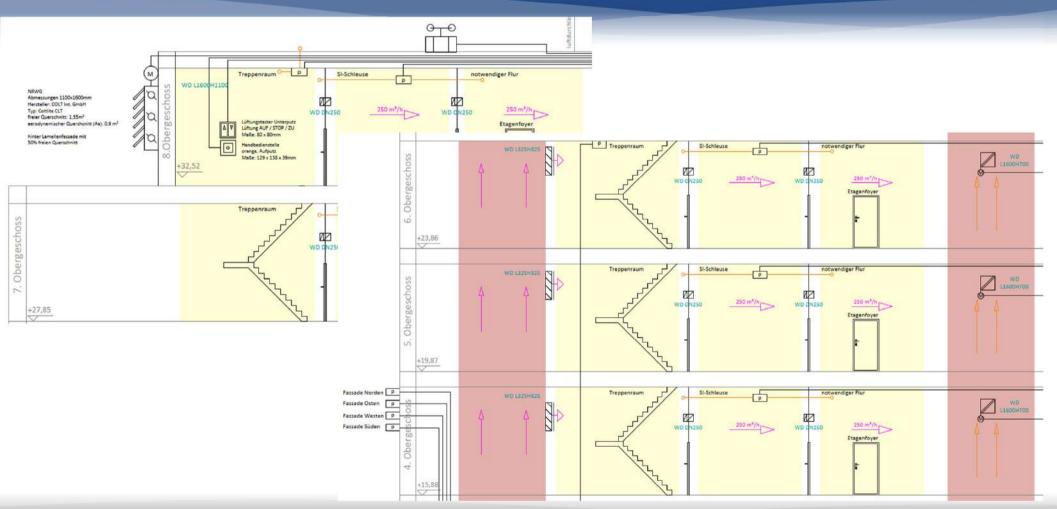
Druckregelung





Druckregelung





Vielen Dank für Ihre Aufmerksamkeit



