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The presentation discusses the application of evaporation cooling with water as a refrigerant. It explains that by adiabatic cooling, water is evaporated directly or indirectly into the air. The degree of cooling depends on the moisture content of the air.

- In the case of **direct evaporation cooling**, water is evaporated in the airflow to be cooled down, but the humidity increases considerably!
- In the case of **indirect evaporation cooling**, water is evaporated in a second stream of air with which the primary air flow will be cooled and the absolute humidity remains constant.

The application thus determines the choice!

Air@Work: most efficient air cooling

The speaker, a man in a suit, is standing at a podium on a stage. Behind him is a large screen displaying a presentation titled "Evaporation cooling with water as refrigerant!". The screen shows text about adiabatic cooling and a psychrometric chart. To the right of the screen is a banner for "R&M" and "Netscale". A small table with a projector sits in front of the screen.



<https://www.shabakeh-mag.com/news/iran/11545/%D8%B3%D9%85%DB%8C%D9%86%D8%A:|||||7%D8%B1-%C2%AB%D9%85%D8%B1%D8%A7%DA%A9%D8%B2-%D8%AF%D8%A7%D8%AF%D9%87-%D8%B3%D8%A8%D8%B2%C2%BB-%D8%AA%D9%88%D8%B3%D8%B7-%D9%84%D8%A7%D9%88%D8%A7%D9%86-%D8%A7%D8%B1%D8%AA%D8%A8%D8%A7%D8%B7-%D8%A8%D8%B1%DA%AF%D8%B2%D8%A7%D8%B1-%D8%B4%D8%AF>