

BACHELOR THESIS REVIEW

Thesis title: **APPLICABILITY OF CHILLED BEAM-SYSTEM IN THE MIDDLE EAST**

Student: **JACQUES MATTA**

Number: **2 – EE – 2017**

The theses deals with Chilled beam as a type of convection HVAC system designed to heat or cool large buildings. There are the advantages of the chilled beam system and its limits discussed. The thesis focuses on comparing weather conditions in Tel Aviv and Prague and whether the chilled beam system is applicable in the Middle East.

Thesis are divided to five main chapters starting from Introduction, Description of the systém, Risk of condensation analysis, Prevention of condensation and Conclusion

Thesis includes detailed energy and psychrometric calculations for both locations.

Thesis are well organised and structure is clear.

Evaluation:

Originality of the work Good.

Relevance Very good

Technical merit Very good

Completeness of the reported work Good

Acknowledgement of the work of others by reference Good

Effectiveness of the text (organization & writing) Very good

Clarity of tables, graphs and illustrations Good

Total evaluation B (very good)

Question:

How can be treated air in the room to avoid the condensation on the beam?

In Prague 19.6.2017

Ing. Miloš Lain, Ph.D.