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Studenterrapport

Uddannelse:

Ledelse og informatik i Byggeri

Semester:

4 semester

Titel på projekt:

**Komfortable og Energioptimerede Boliger.
Et case study i Smart Homes fra LK.IHC**

Projektperiode:

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Vejleder:

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Studerende:

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[Underskrift]

Christian Adam Jakobsen

Antal normalsider: 50

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Resume:

Smart home technologies help create comfort and energy efficiency in our homes, and create a more energy - and Co2 friendly consumption, but we also see a slightly uneven development attributable to the fact that the power we manage to save through new technology, low energy light bulbs and energy-labeled appliances is equalized by the consumption created by the many new power-sucking appliances.

One of the products that claim to be able to offer a solution to this problem is LK IHC, whose intelligent control systems can offer energy saving solutions for the house's electricity consumption. The question is whether LK IHC is also capable of meeting the housing needs of the users, and whether their operating system is smart enough to compensate for, and cater to the user's behavior.

This thesis uses LK IHC as case foundation, though it is also based on professor Kirsten Gram-Hanssen's extensive studies of user behavior, which among other things suggests that effective technology affects our behavior in the wrong direction. By looking at how the Smart Home solutions such as LK IHC contributes to the creation of comfort and energy efficiency in our homes, and on meeting the needs of users, it aims to address an issue which particularly relate to how IHC meet users' behavior and who is using a IHC. The thesis seeks to answer his problem by looking at both the technical and social factors, and the theoretical approach to this thesis is ANT, Actor network theory as developed by Bruno Latour, and the Translations process of Michael Callon.

The thesis concludes that Smart Home solutions like those offered by LK IHC, fails to meet the general standard house users with their solutions. Those users who choose an IHC facility appears as a narrow group of men with a particular interest in technology. It's hard to get the traditional standard house customer to choose Smart Home installations or interieur over other installations, and furthermore the thesis concludes that IHC as an energy optimizing system is rather based on what is technically possible than the user's behavioral challenges.