Jonathan Karlsson

Jonathan Karlsson, 37, entrepreneur and visionary. Master's degree in theoretical physics and tekn. lic in building and environmental technology with focus in thermal energy storage in building constructions.

He is a doer and has skills in management, energy efficiency, product developments and start-ups. Two decades in the construction industry and have specially been working with innovative energy systems, building technology, control systems and heat pump developments.

Education level

- Postgraduate Studies, Lund University [Tekn.Lic]
- Theoretical Physics, Lund University [M.Sc Physics]
- Military Leadership Training, Göta Engineers Regiment
- Nature Science, Hässleholm School of Technology

Organizations

- Board member and founder of Kamojo Invest AB
- Board member and founder of BIMvista AB / Norden Estates AB
- Board member and co-founder of Urban Systems AB
- Board member and founder of Innenco Int. AB
- Board member and co-Founder of Karlsson Climate AB
- Board member Octopus Energy
- Board vice-Chairman of Martial Arts Association in Höör, Skåne.
- Board member of Sweden Aerodrone club (Ljungbyhed, ESTL)

Awards/Publications

- Dagens Nyheter 26th of May 2018, Analys Livsstil #5, Published on May 25, 2018.
- Patent: ENERGY DISTRIBUTION SYSTEM, DISTRIBUTOR IN SUCH A SYSTEM AND METHOD OF LAYING OUT TUBING IN SUCH A SYSTEM, PCT/EP2017/083938,
- Gedeon GRC Consulting - This new energy concept from Sweden can make any building net zero
- Inhabitat – Can make any building net zero
- Different Materials with High Thermal Mass and its Influence on a Building Heat Loss – An analysis based on the Theory of Dynamics Thermal Network.
- A conceptual model that simulates the influence of thermal inertia in building structures
- Thermal properties of concrete in various aggregates.
- Nyttan med värmetröga konstruktioner, Samhällsbyggaren, nr 5, 2010.
- Betydelsen av värmetröga konstruktioner, Bygg & Teknik 5/10.
- Possibilities of using thermal mass in buildings to save energy cut power consumption peaks.
- This new energy concept from Sweden can make any building net zero, Inhabitat, 2017
- Patent: KYLAGGREGATENHET-PCD, PCT/EP2012/
- Hus Utan Kabel, 2010 (Smart City Connectivity and off-grid solution)

Experience in the field level / education

Engineer:

Energy Systems
Building technology
Construction and developing Hhat pumps
Control systems and BIM integration

Entrepreneurship experiences:

Holistic energy system designs, BIM modelling, business -and financial strategies, real-estate detail planning, product development, leadership and patent processes.
Sales management.

Leadership:

Platoon leader during military service, Recon.
Powered development for commercialization of the product.

Training:

Have been teaching in more than two decades:High schools, Polytechnic, College and Universities.

Science and Technology:

Advanced physics and mathematics, Virtual Graphics, Programming (Matlab, MathCad), Energy Calculation Program (VIP Energy) and advanced computational simulation (Comsol Multiphysics), and Excel.

Various:

- Pilot
- Instructor
- Inventor
- Charity engaged