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KMS - one pager

Preface

KMS initiative, is a private business entity, located in Misgav, lower Galilee Israel, aims to provide innovative solutions and products to curb building energy costs in line with EU federal regulations.

We do so by efficient and controlled harvesting heat and electricity hardware integrated building envelopes. The solution introduces innovative building envelope that suffices building codes & integrates harvested energy to commercial building customers & infrastructure.

The problem

The need to provide an innovative cost effective commercial industrialized "building envelope" solution that meets ZEB regulation, is the problem that we are relating to.

Efficient and smart energy harvesting, requires to make use and maximize local geographical solar radiation resources, its statistics as well its variability.

The KMS solution will be made to comply with several constrains such as EU ZEB regulation (prime market), particular local building codes, Architect's needs & requests to have maximum freedom of design, end customer's operational needs and requirements, and to be ready to meet ZEB regulations implementation time tables.

The solution

KMS solutions are based on an innovative technologies that will replace known standard external building walls with an integrated controllable "interface" (known also as Façades) and be able to:

- a) Efficiently harvest solar energy in form of electricity & heat all year long.
- b) Tune on the spot energy harvesting performance and parameters upon solar radiation, building needs and ZEB main requirement i.e. zero annual energy bill.
- c) Interface KMS solution's built in sensors to the building energy control system.
- d) Integrate harvested energy with commercial building energy customers (AC, air purifications etc.).

KMS's solution is based on transferring knowledge and technologies from other technical sectors and fields, in a way that will allow a paradigm shift in the building industry. It introduces innovative combination and integration of materials and components with an ability to tune the "interface" performance to meet changing seasons, weather and to satisfy tenant's grade of convenience.

Target market

KMS market for its building envelope solutions, is the EU market, ZEB regulated market, building segments of saturated new federal building segment (2020), later commercial & public residential new buildings, and retrofit of residential buildings.

The Team

KMS was founded by veterans of the prestigious Rafael – Israel leading defense Systems Company. While our past career was devoted to develop & supply cutting edge solutions that will ensure the strength of the IDF (Israeli Defense Forces) & export contracts to Rafael wide world customers, our aim now at KMS (private entity) is to direct our knowledge, experience and knowhow to develop solutions that will significantly contribute to the environment, health and society's wellbeing.

The task at hand requires managerial, marketing, profound engineering capabilities & experience as well as innovative out of the box methods & thinking. It also required us to team with building and architectural industrial experts to complement our capabilities and knowledge and increase the KMS solution's synergies

Four experienced & professional engineers with wide business experience are leading KMS. The team comprises of two thermodynamic professionals mechanical engineers, one physicist electro optics expert, and an electronics & control engineer.

Two team members have business management education background, and hands on experience in managing profit centers, and business units.

KMS team members have industrial (Hi Tec) background, are experienced in product and technology development phases & methodologies, from an idea & initial stage of development, to solution requirements definition, testing, validation, production and product delivery as well as ILS client's support.

Eli Kolton

KMS Founder & CEO