

CoastCare

Soft Engineering Coastal Solutions

Brief Company Profile

CoastCare is a Danish company engaged in combating the erosion of beaches due to natural and manmade causes by applying innovative and environmentally friendly coastal protection.

CoastCare was founded in June 2000 as a partnership company, and in March 2001 CoastCare was incorporated as a private limited liability company. CoastCare is engaged in the commercial application of the Hydrodynamic Beach Stabilisation System to combat coastal erosion as the CoastCare System.

CoastCare was previously engaged worldwide research in other soft engineering solutions for coastal protection such as the PEM system (Pressure Equalisation Modules). The PEM system comprises vertical steel header pipes extended with water abstraction screens of plastic, placed in a matrix along the coastline and in the swash zone. The steel header pipes protrude above the beach surface and can pose a safety hazard to beach-walkers and bathers.

According to SIC, who market the PEM system, the filters equalise the pressure of the ground freshwater basin to increase circulation of seawater in the coastal profile.

However, our engineering department was sceptical of the theory behind the PEM system and consequently spent considerable research in the development of the CoastCare System (Hydrodynamic Beach Stabilisation system). The CoastCare System is designed as a low cost simple technology solution to enhance the infiltration / ex-filtration rate of the beach face to increase sediment entrapment and retention.

CoastCare operates in the coastal environment sector as an Integrated Coastal Zone Management consultancy, and has, in its short span of existence projected itself as a progressive and dynamic company linked to the provision of highly qualified services at competitive cost.

Environmental policy

CoastCare is committed to green engineering practices in all activities.

Green engineering is the design, commercialisation, and use of processes and products, which are feasible and economical while minimizing:

1. Generation of pollution at the source

2. Risk to human health and the environment.

The discipline embraces the concept that decisions to protect human health and the environment can have the greatest impact and cost effectiveness when applied early to the design and development phase of a process or product”.

Business Policy

CoastCare is committed to developing and implementing innovative low budget solutions for the coastal environment.

Recognizing the fact that many small Islands and developing coastal countries are struggling with coastal erosion and small budgets, CoastCare has developed the system as an option to the extremely costly conventional solutions usually based on heavy engineering. These communities will benefit from CoastCare’s holistic approach and its new cost-effective system.

By choosing CoastCare to engineer your beach stabilisation project, you choose a multidisciplinary partner committed to protect the environment by applying sustainable green engineering technologies and by working in close interaction with authorities and stakeholders.

Associated partners:

Danish Environmental Technology Transfer, Ebeltoft, Denmark.

Envicare, Stoevring & Aarhus, Denmark.

Wetland Ecology and Management Services, Roende, Denmark

Rock View International, Paris, France

For more information contact info@coastcare.com

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