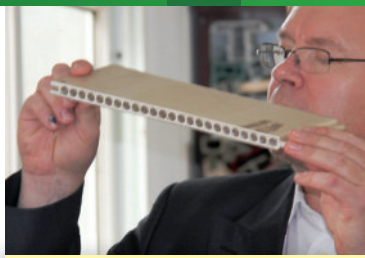
CONENOR



Industry Consultant

Beginning of 1990's Conenor started developing with its industrial partner Maillefer Extrusions and State Technical Research Center "VTT" its innovative and patented multi-rotor extruder Conex® which could extrude two or more different WPC-formulations into multilayer product structures without the need of cross-heads nor side extruders.

Independent of Conex® offering, Conenor is today acting as international industry consultant and expert in client projects for extruded natural fibre plastic composites (NFC & WPC) and waste management schemes and start-ups of new businesses.

Current examples being EU project IRCOW www.ircow.eu for improved recycling of construction and demolition waste and concept FIBRACASA™ for affordable houses from NFC www.fao.org/economic/futurefibres/news3/consultation2011/speakers/en/

Feasibility | Product R&D

"should I enter the WPC-manufacturing and what do I need to know to decide"

- Market Knowledge & Information
- Profit / Loss Calculations
- Material Choices, Additives, Formulations
- Product Design & Dimensioning
  - Single layer
  - Multilayer
- Optional Process Equipment and their Manufacturers (OEM)
- Client R&D and sampling activities at Conex® Skill Center
  - Client formulation development & optimization
  - Material screening trials with Conex® CWE 380-1 extruder
  - Multilayer product sampling trials with Conex® CWE 500-2 extrusion line
  - Testing of samples

Consultancy | Equipment

"what should you buy and from where and how to get started"

- Selection of Equipment & Tooling from worldwide Manufacturers
  - Material preparation
  - Mixing
  - Extrusion
  - Downstream
- Technical expertise and advise for the most optimal set-up
  - Twin screw extrusion technology for standard single layer products
  - Conex® 2-rotor technology for multilayer products
- Buy-or-Make evaluations
- Purchase negotiations on Client behalf
- Training & Know-how in process control and start-ups
- Project financing services

multilayer WPC-decking boards with recycled ABS(45%) +wood (55%) inside and recycled PE or PP (35%) +wood(65%) outside

CONENOR

Foundation

- 1995

Branches

- NFC
- WPC
- Construction

Key materials

- Natural Fibres
- Thermoplastics
- Fillers
- Additives
- Waste

Key products/services

- Client R&D
- Feasibility Studies
- Profile Extrusion
- Sampling of Materials & Formulations

Languages

- English, German, Swedish, Finnish, Spanish, Portuguese

Contact

Conenor Ltd
Poukamankatu 12
15240 Lahti
Finland
Phone: +358 (0) 40 75 34 605
markku.vilkki@conenor.com
www.conenor.com

Contact person

Markku Vilkki
markku.vilkki@conenor.com