



The devil is in the details

De Beijer RTB B.V



Introduction De Beijer RTB:

Profile:

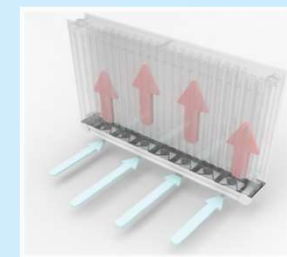
- Development and engineering company with 35 years of experience in renewable energy solutions and products.
- Many international cooperation's with institutes ,universities and compagnies.
- Various renewable energy products successfully launched to the market .

Main activity:

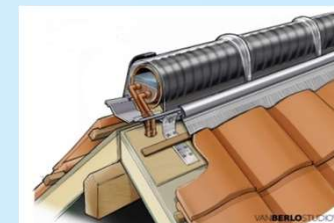
De Beijer RTB is mainly active in the field of Solar, thermo-chemical-energy storage and thermo-chemical conversion technology.

Main projects:

Development, cost-effective pre-production method for SolabCool and ClimateBooster. Market introduction. Development and the pre-production SunRidge and thermo-chemical energy storage



ClimateBooster



SunRidge



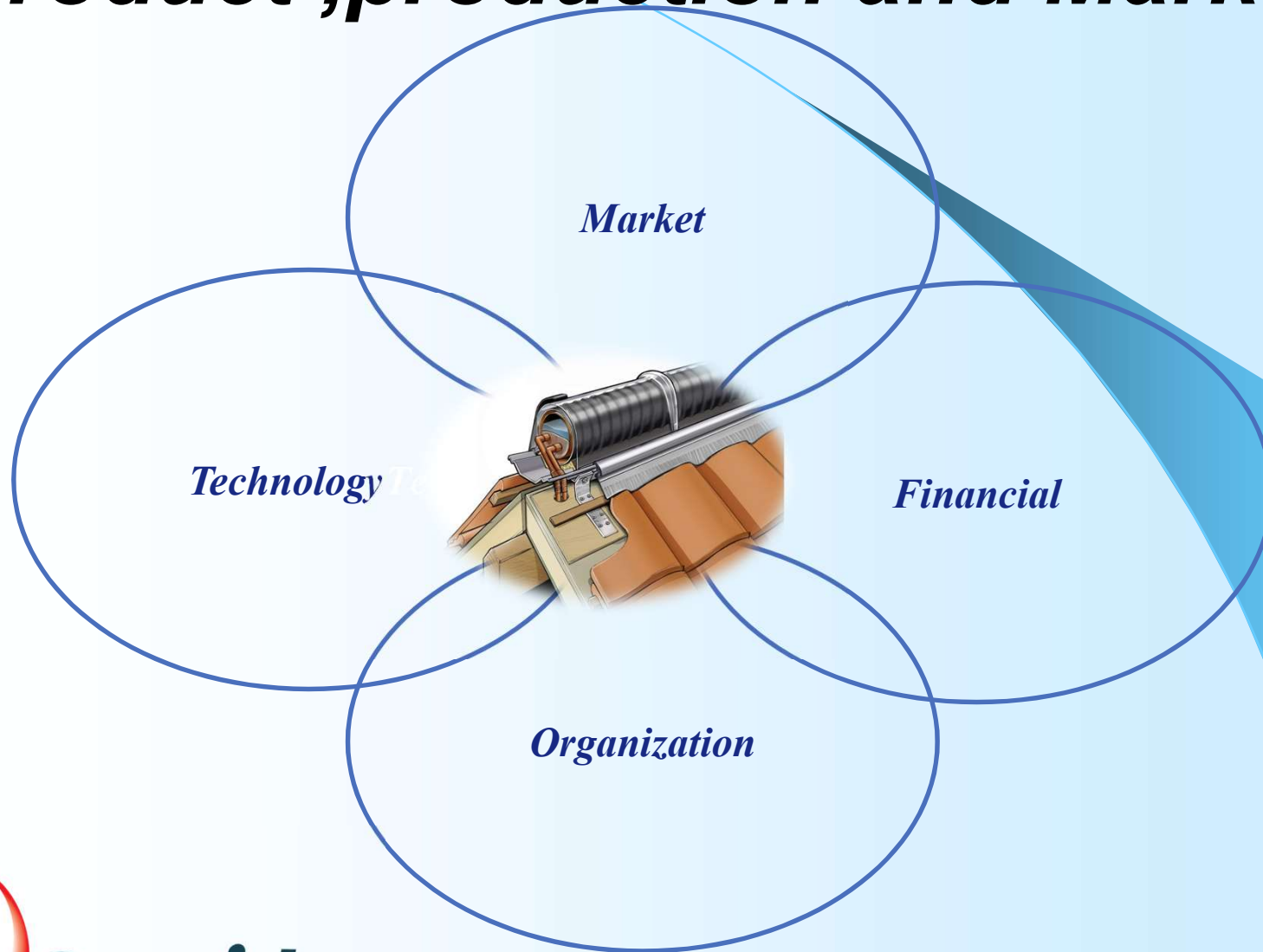
SolabCool



Heat & Cold storage

SunRidge

Product ,production and Market



Het gevecht voor de juiste oriëntatie



Ontstaan van SunRidge

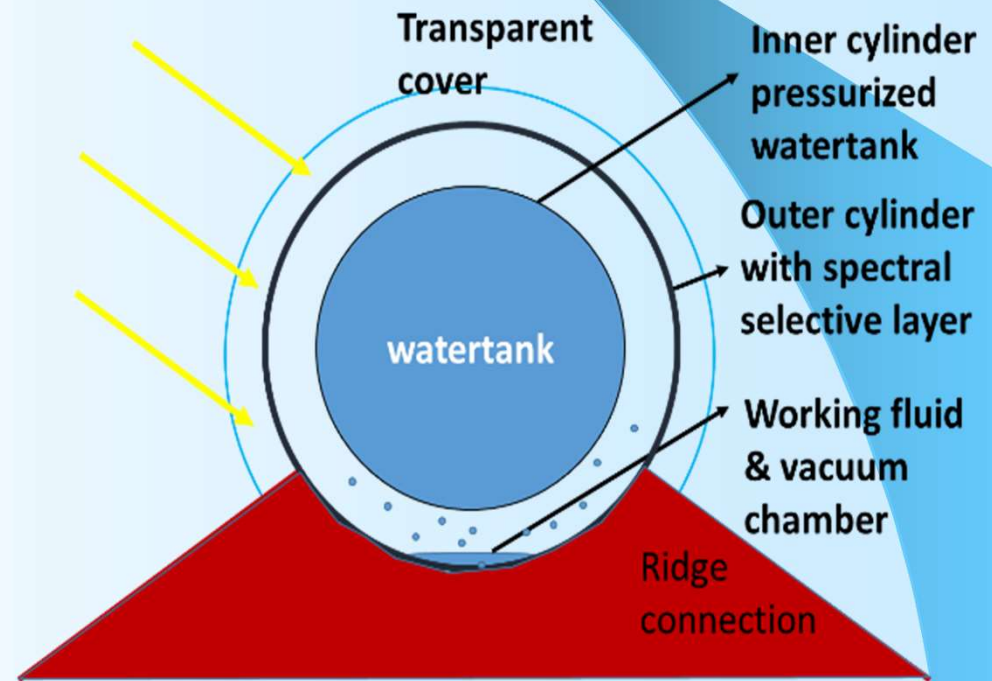
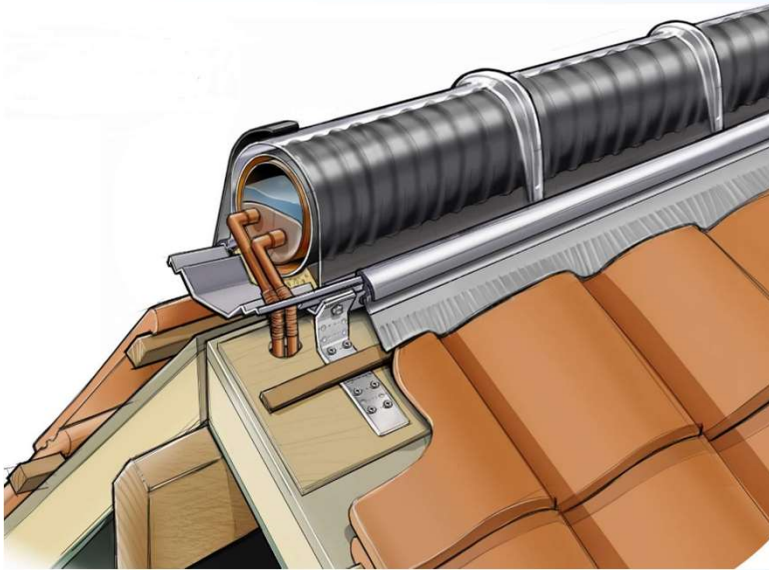


SOLARES
puur energie!





Technology



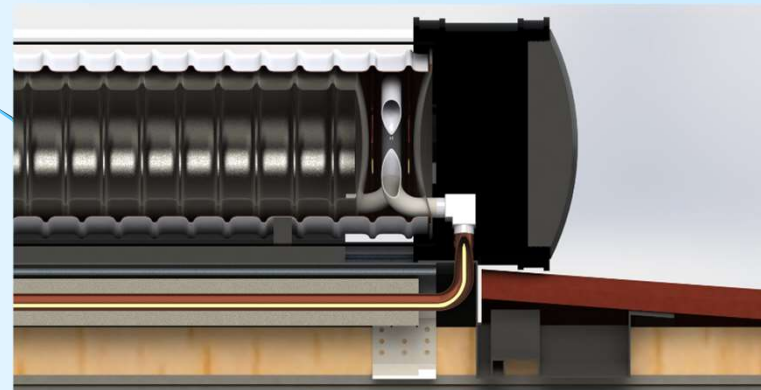


Sunridge





Design and roof integration



Save money and energy



Maintenance free

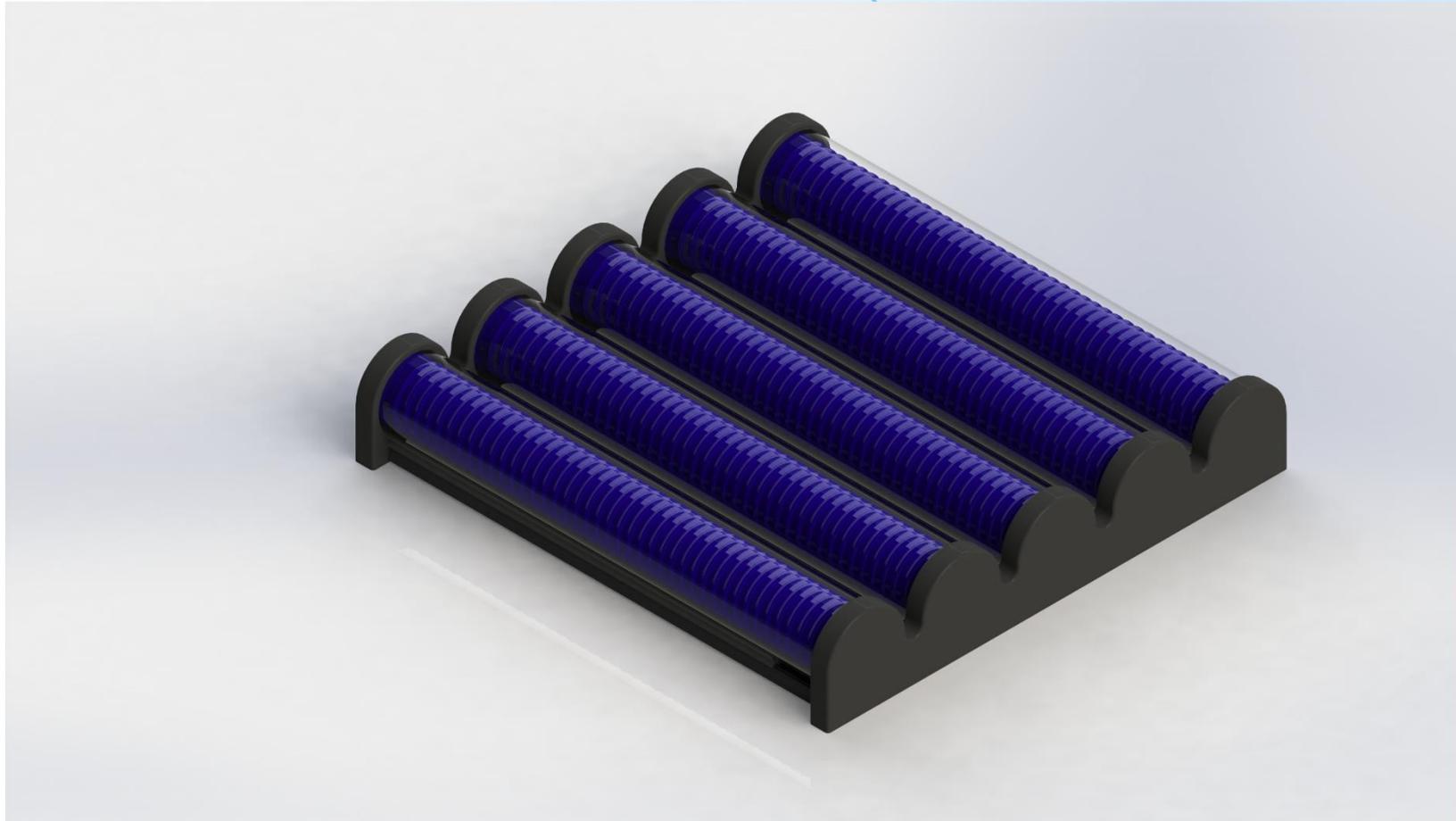


Design, fully integrated ridge solar collector



No room required inside your house, complete system resides on the ridge

Platdak opstelling





Market

- No competition on the roof with PV panels and skylights
- Easy to install system.
- Modular concept, easy adaptable to dimensions of the ridge , hot water capacity and orientation
- reducing the CO₂ emissions.
- integrated hot water tank , no space is required in the dwelling
- Competitive price and performance
- Compliance with building codes and legislation
- Upgrading/Renovation the ridge (water tightness, airtightness and snow)
- Eco design label of A+ + for DHW installation.



The customer

- Reducing energy bill 50% (€100 to €300 per year)
- High level of comfort
- No maintenance life time of the system >20 years
- Ease of installation almost no activities inside the dwelling.
- Supplying the end user with an eco design label of A+ + for DHW installation.



performance testing

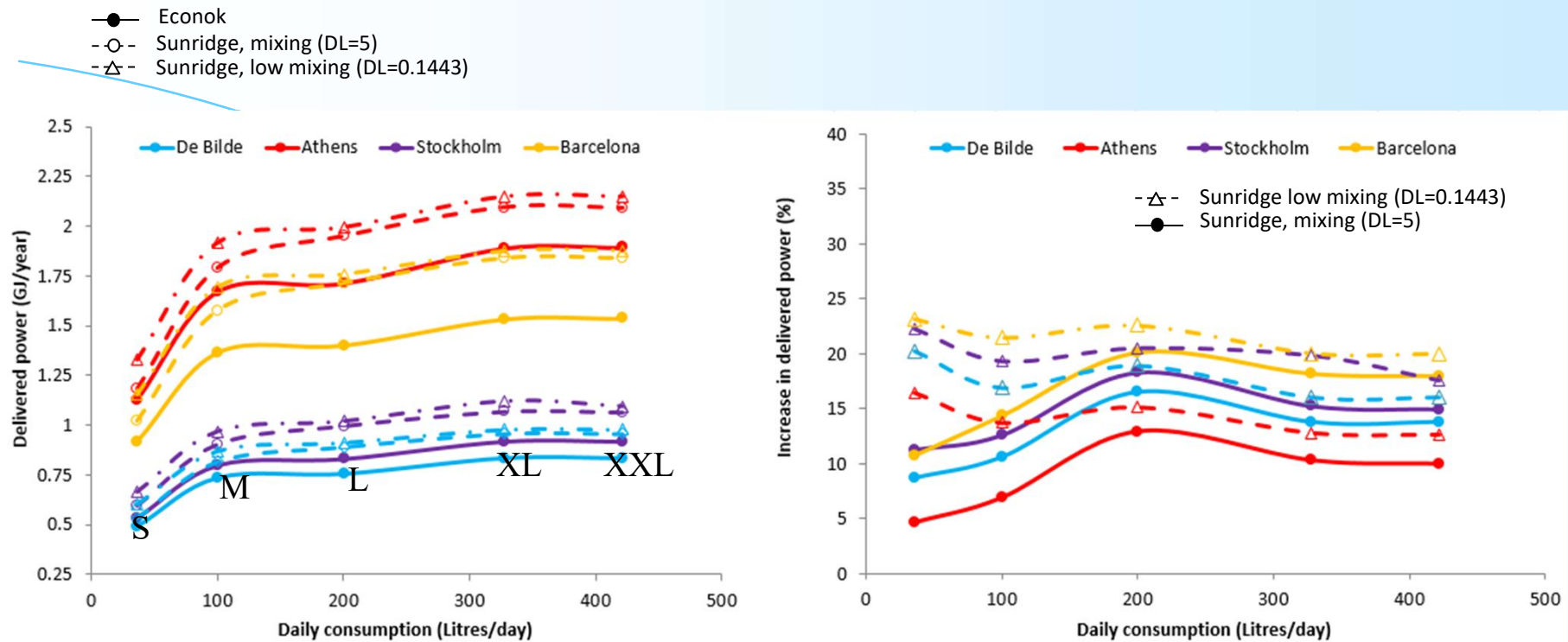


The Sunrise at test facility at IREC(Taragona Spain)



The Sunrise freezing test facility at TNO (Delft Netherlands)

Long term performance prediction (DST model) for different climates



European standard draw-off profiles (EN16147) S, M, L, XL, XXL

$$\text{Increase in power (\%)} = \frac{\text{Power Sunridge} - \text{Power Econok}}{(\text{Power Sunridge} - \text{Power Econok}) / 2} \times 100$$

Improvement



**Direct welding of stainless steel caps on copper body with CMT welding .
(Mig-Mag welder)**



Production of copper tank 0,8 mm with 0,12 mm SSL coated copper layer.

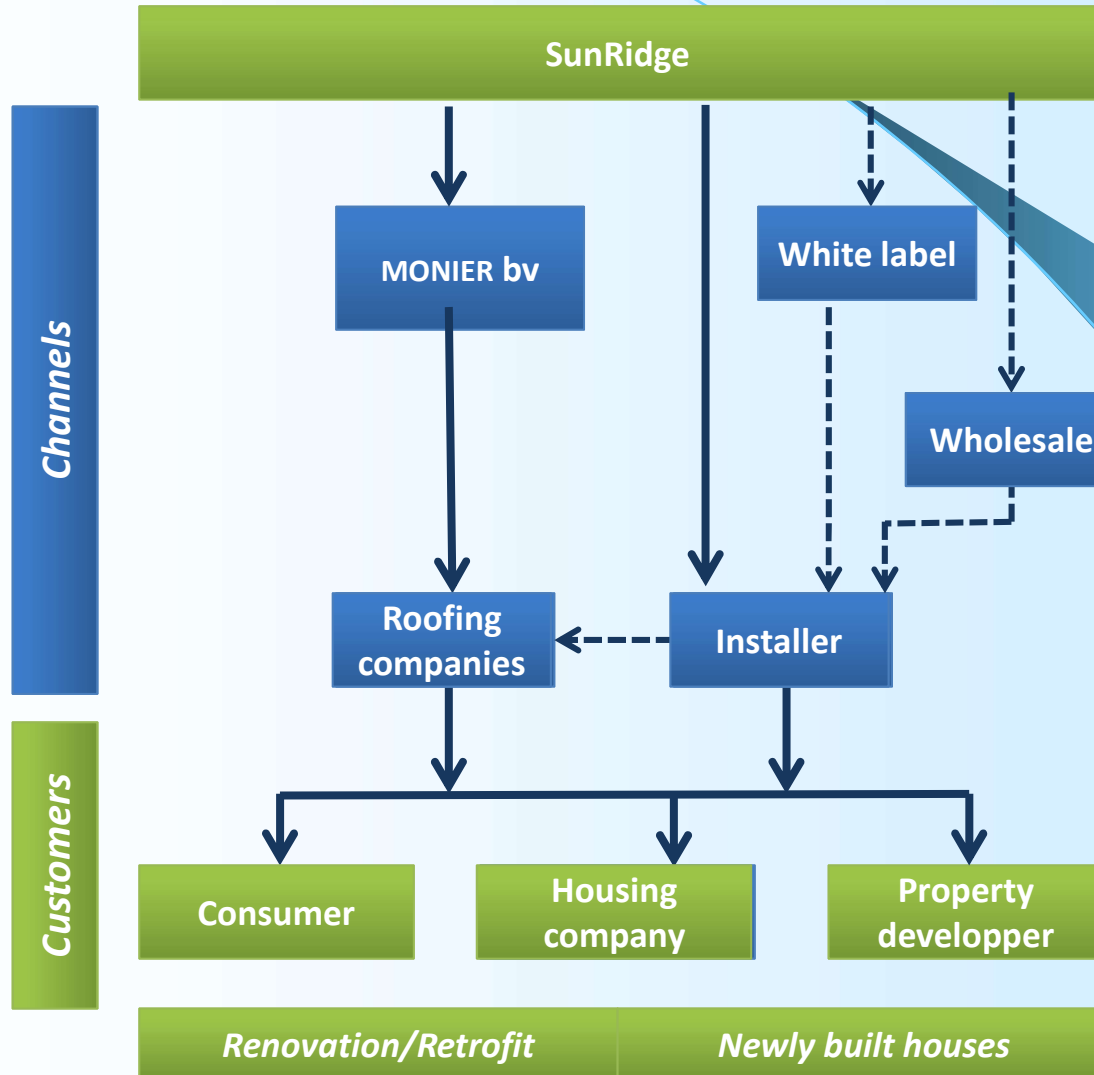


Mechanical Seaming





Sales and distribution



Thank you
Any questions?

