



























## The Algea Market Today

- Only small number of algea in production (FDA)
- Production : 10-20 Kton dry matter per year
- Potential market size huge (Mtonnes)Application: oils, food supplements ,
- pigments, proteinsProduction costs are comming down with
- Production costs are comming down with scaling up
  Shift from traditional Potail consumers
- Shift from traditional Retail consumers to major F&A players



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Many failures and reconsideration but overall progress and growth

## Switch naar hoogwaardige componenten

2007	Pentapharm overgenomen door DSM	
2008	AquaPhyto failliet	
Juni 2009	GreenFuel Technologies failliet	
2010	Aurora switcht van biobrandstoffen naar voedsel	
Sep 2010	Unilever investeert in Solazyme	
Aug 2010	Proviron switcht van biobrandstoffen naar vismeel	
Nov 2010	Joint-Venture Roquette en Solazyme	
Jan 2011	Shell stapt uit Cellana (biobrandstof project)	
Feb 2011	Overname Martek door DSM	
Sep 2011	SBAE Industries failliet	

## Conclusion

- Many initiatives both on and under the radar
- Aquatic farming is still in its infancy
- Optimisation of production chain is key ( cost, purity , yield)
- Most applications require certification

## But,

- Algea (micro and macro) have a many advantages
- Make food supply chain more sustainable

