



# Entrepreneurship and Innovation

## Corporate Innovation Day

Oslo, October 20, 2016

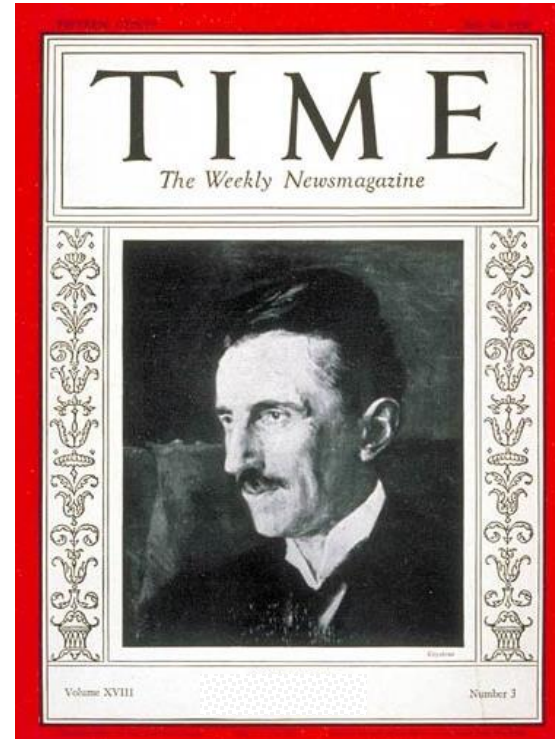
John Andersen, Jr., CEO



April 29, 2013



July 20, 1931



## Scatec – We are in the business of creating businesses

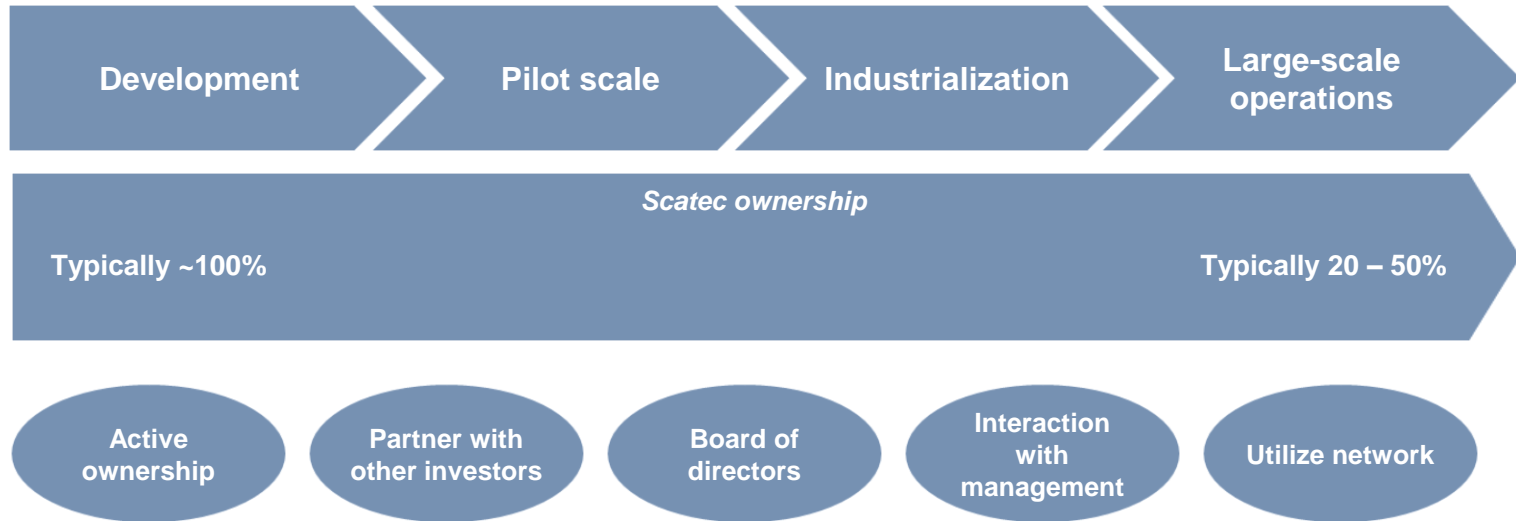
Vision

To create value and make the world a *little* cleaner

Business idea

Develop and implement new technologies to produce renewable energy and advanced materials

## Scatec – Our approach



# Scatec – Portfolio companies

## Climate Neutral Energy



## Advanced Materials



The Indicator



## IPOs





**Scatec Solar**  
Improving our future™

***Scatec Solar is an integrated independent solar power producer, delivering affordable, rapidly deployable and sustainable sources of clean energy worldwide.***

### Fast Facts

Established:	2001
Headquartered:	Oslo
Employees:	~150
In operation:	426 MW
Project backlog:	422 MW
Project pipeline:	1 156 MW



Czech	Kalkbult	Dreunberg	Linde	ASYV	Agua Fria	Red Hills	Jordan
20 MW	75 MW	75 MW	40 MW	9 MW	60 MW	104 MW	43 MW
Czech Republic	South Africa	South Africa	South Africa	Rwanda	Honduras	USA	Jordan



# EXPIRY DATE WAS “BEST BEFORE”

Keep-it is a **real time shelf life indicator** showing the actual degradation of fresh food products – based on a function of both temperature and time



THE  
DAWN  
of a NEW  
INDUSTRY

RAPID PLASMA <sup>22</sup>  
**DEPOSITiON™**

Titanium  
47.87

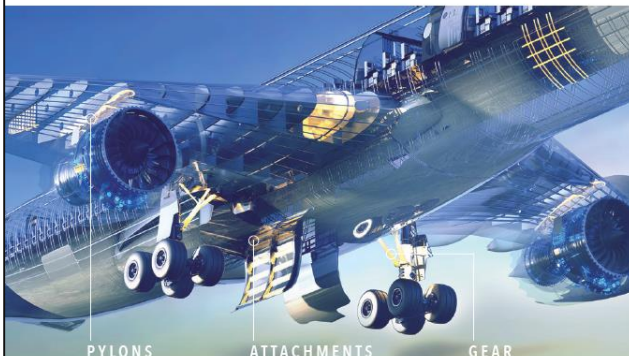
**Pioneering the airplane of the future.**

The airplane of the future isn't made in a forge or hogged out of billet. The airplane of the future is inspired by change and efficiency, technology and innovation. Norsk RPD™ has created a new industry of structural-grade, additive manufactured titanium parts at unprecedented savings.

The airplane of the future is being made today.  
NorskTitanium.com

# BUY-TO-FLY RATIO

<sup>22</sup>  
Titanium  
47.87



THE AIRBUS A350 XWB IS 14% TITANIUM\*

Thanks to aviation pioneers Boeing and Airbus, soon every commercial aircraft will be composite and titanium. The lightness and strength of carbon fiber is realized through its unique compatibility with titanium – in the case of the Airbus A350 XWB, nearly 18 tons of titanium per aircraft. But, conventional titanium processing results in high part cost, tooling and lead times.



Rapid Plasma Deposition™ cuts the buy-to-fly ratio of titanium parts from as much as 40-to-1 to as little as 3-to-1, restoring profitability and schedule control to the world's premier composite airliner programs. From engine pylons to door frames, attachments, landing gear components and brackets, titanium additive manufactured structural RPD™ parts are shipping today.



FORGED STRENGTH AT  
THE SPEED OF INNOVATION

# PRINTiNG MONEY

<sup>22</sup>  
Titanium  
47.87



\$2.5 MILLION IN SAVINGS PER AIRLINER\*

Rapid Plasma Deposition™ cuts the buy-to-fly ratio of titanium parts from as much as 40-to-1 to as little as 3-to-1, restoring profitability and schedule control to the world's premier composite airliner programs. With savings of this magnitude, it's fair to say our patented MERKE IV RPD™ machines are literally printing money.



FORGED STRENGTH AT  
THE SPEED OF INNOVATION



## Our experience – what is innovation?

- From “innovare” (Latin):

*“... a new product, service, process, application or organizational form that has been launched in a market or implemented into a manufacturing process **to create economic value.**”<sup>(1)</sup>*


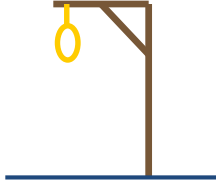
- Innovation is above all about **people**, and their ideas, engagement, commitment, stamina, knowledge, competence, and empathy.



*"If you can't dream it,  
you can't do it"  
-Walt Disney*

(1) Stortingsmelding nr. 7 (2008-2009) Et nyskapende og bærekraftig Norge

## Our experience – willingness to take risk is essential ...

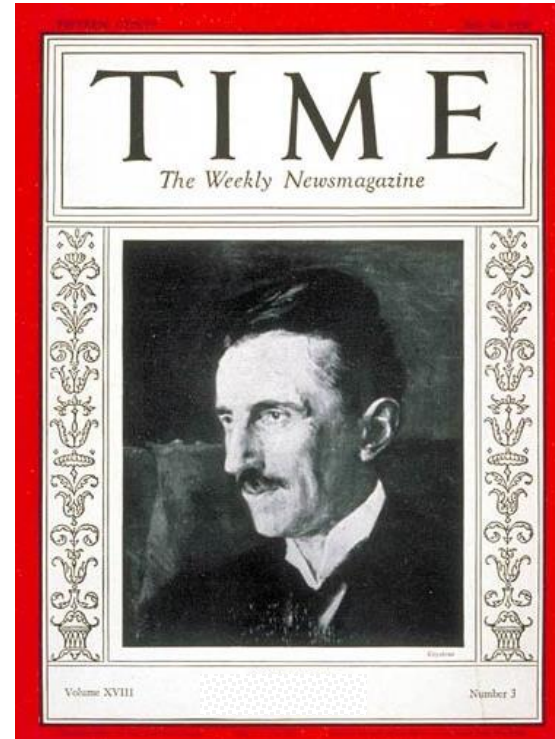
<i>Good project</i>	No consequence	
<i>Bad project</i>	OK!	
	“No”	“Yes!”

... or why radical innovation often happens in small companies!

## Innovation



## Invention



**Thank you!**