## **e-kite** Wind energy takes a flight







**Coert Smeenk: Lead Mechanical Engineer** 

- Experience: EWT, USG Innoviv, Vormdrift
- Education: MSc Industrial Design

#### Bert Regelink: Lead Software Engineer

- Experience: EWT, SES New Skies
- Education: MSc Computer Engineering

#### **e-kite** How a kite power system works





## Kite power system provides energy at >50% lower cost than wind turbine



### **e-kite** Other key advantages



#### Mobile system:

- Allows for installation at temporary sites or in remote locations
- Enables new business models (e.g., rental, temporary PPAs)



#### **Offshore potential:**

- Less not-in-mybackyard issues
- No need for costly offshore foundation
- Allows for deep sea installations

### **e-kite** Prototype dual-line 50kW ground station



### **e-kite** Ultra-light wing with integrated launch & land system



### **e-kite** Flight with ultra-light wing





# Artist impression of commercial single-line 100kW system



## **e-kite** Key learnings from our experience so far



#### è-kite

