

# Technology to ensure food safety

Key words: food analysis, cloud technology, artificial intelligence



## Isabel Hoffmann

Tellspec LTD CEO | Main product: Tellspec Food Scanners

### Aim

To build trust in food by offering real-time non-destructive food analysis

### EIT Community connection

EIT Food (member of Rising Food Stars)

### KEY FACTS

**Project started:**  
February 2013

**Theme:**  
Food analysis

### UNIQUE SELLING POINTS

- Cloud-based spectroscopy
- Large food database of spectral scans correlated with lab references
- AI-based detection algorithms

## The start-up

### The idea

Tellspec connects spectral sensors into a robust cloud AI-based food analysis engine and a growing database of spectral scans to provide real-time non-destructive food analysis for both the consumer and the food industry. This is the first comprehensive solution for cloud-based spectroscopy. Third-party sensors can take advantage of our extensive database and our powerful computational analysis. We also offer our own handheld food sensors.

### Societal impact

One of humanity's most pressing problems is food security, and food fraud is a big concern within it. Increased food demand combined

with pressure to produce food as cheaply as possible has led food suppliers to replace one or more food ingredients with cheaper alternatives. Thousands or even millions of people become ill each year from eating this food.

Tellspec provides a revolutionary technology that analyses consumer foods at the molecular level. Our patented AI-based data-driven cloud analysis can help monitor food fraud as well as food contamination locally and in specific regions, thereby helping consumers and authorities to make choices to prevent the onset of health issues related to food.

## Achievements so far...

We have several paying clients in agriculture, food distribution and retail. We have obtained a US patent for our scanners, and have won several awards:

- European Commission H2020 Food Scanner Prize; 2017
- Humanitarian Water Air and Food Award in the category of food safety; 2016
- MedPi Award in the category of health; 2016

### WHAT'S IN YOUR FOOD?



## Teamwork

Our team is located all around Europe – our key scientists are in Hungary, the developers are in Denmark, and the programmers are in the UK – but we are very close in spite of this. We all believe strongly in Tellspec's mission.



Stay focused, work hard, and see in everything an opportunity.