

## Lapland UK

### The Challenge

- Planning for 150,000 visitors
- Meeting Public Health England (PHE) guidelines
- Concern on bringing infection from around the UK into one area
- Sign off by PHE and local Director of Public Health
- Ensuring no transmission of Coronavirus
- Rapidly changing rules on travel and events

### The Solution

- Advice on the evolution solutions around the world of testing and infection control
- Understanding of infection control in the Lapland environment
- Selection of the right solutions to prevent transmission
- Delivery of solutions from factory to site

### Why Larner Associates?

Unparalleled experience:

- Infection control, medical and service design experience
- Knowledge of worldwide best practice
- Technology agnostic solutions advice
- Customer focus, designing solutions around you

### The Results

- Despite delayed start and early finish from national lockdown
- The largest event in Europe in 2020
- More than 50,000 visitors in a few weeks
- No reported transmissions

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## Bio-security for Europe's largest event

### Lapland UK

Mike and Alison Battle founded Lapland UK when they couldn't find a good quality seasonal experience for their children. With a specially created village in the woods of Berkshire, families move through the site experiencing a range of activities from meeting the reindeer to helping the elves make toys.



### Onset of the Pandemic

With the onset of the pandemic the plans for the new event took on a new dimension. The changes from lockdown to open to tiers and to lockdown again all occurred during the planning period. Lapland were very conscious that they would be bringing visitors in from all over the UK and as well as making sure that visitors were safe giving confidence to the local residents that infection wouldn't be brought into the area.

### Larner Associates Team

With the response to Coronavirus changing almost daily considering the best approach to infection control, testing and tracing was a major challenge.

"Larner Associates provided invaluable advice on best practice from around the world in a very fast-moving environment"

Mike Battle, Chief Exec LaplandUK

The Larner team includes associates Prof. Tara Moore with unparalleled knowledge of testing and John Green former NHS Trust Chief Exec with knowledge of NHS approaches to infection control. At the time there was little experience of testing in the UK, Larner was able to advise on the experience of a number of countries and leading manufacturers.

## Lapland UK

"Larner Associates were able to bring in technologies tried and tested in other countries.

The Larner Associates solutions not only helped to steer away Covid but really reduced absence amongst the team and something we use again next season."

Rhondda West, Operations Director Lapland UK

*"Getting the right technologies for the bio-security of Lapland UK meant understanding the detail of the environment and the where the risks of transmission existed"*

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## Infection Control

SARS-Covid-2 is a type of enveloped virus. The standard approach to cleaning at the time, and still common in many locations in the UK, was deep cleaning with bleach or solutions proved to be effective against enveloped viruses.

The problem with deep cleaning is that as soon as it is finished all surfaces are open to infection. The gap between cleans, the 'infection gap' is likely to be 24 hours for most surfaces and an hour or more for frequent contact surfaces. One infected person entering the space will infect surfaces and render the cleaning ineffective.

The only way to close the infection gap is to use long lasting anti-pathogens. These are cleaning fluids that once applied leave a nano layer effective against bacteria, viruses and fungi for days.

The infection gap also affects hands. After washing with soap and water the hands are open to infection. Even alcohol hand sanitizer only lasts a matter of seconds. A long lasting anti pathogen hand gel leaves a layer on the hands that prevents the hands from infection for hours.

**"Our approach was held up as a blueprint for running events in the future. Larner Associates' solutions were a key part of this"**

Matt, Health and Safety Lapland UK

## Long Lasting Anti-Pathogen

Lapland UK wanted to ensure that no surface in the event and no hand, whether visitor or staff, could become infected with SARS-Covid-2 and become a source of transmission to other staff and guests.

Larner Associates is technology agnostic. It reviews all products and their tests and sources the best available solutions on the day. Larner identified a surface cleaning solution and a hand sanitizer with a detailed testing against enveloped virus and proven long lasting effect. The surface cleaner was designed for use in hospital 'red zones' and a 10 year history of use. The cleaning solution had the same pedigree but had also been tested against SARS-Covid-2.

Larner sourced the solutions direct from the factory at a price significantly below market rate. The beginnings of Brexit import problems occurred. Larner arranged a special courier to bring an advance order into the UK and a member of the Larner team delivered straight to site ensuring delivery before the event went ahead

Larner Associates turns best practice and the latest research into practical solutions