

# FOOD PRODUCTION FACILITY ST PETERSBURG



## PROJECT PROFILE





“ The technical and manufacturing expertise of the MP team made such a huge project seem simple and straightforward and logistically the delivery and installation phase was seamless. ”

## CHALLENGES:

Mansfield Pollard's specialist Kitchen Ventilation team were called upon to design, manufacture, export and install a '**super**' canopy at a new chilled food production facility in St Petersburg, Russia.

Situated 3.7 metres above finished floor level, the canopy was to run the **full length of the facility** and due to the required extract volume necessitated a canopy width of over 4 metres.

In addition to the remote location and sheer scale of the task, the design had to enhance the canopy's containment efficiency and **minimise operating costs**.

## OUR SOLUTION:

The experienced engineering team at Mansfield Pollard designed and manufactured a fully bespoke **32 metre continuous extract and supply canopy**.

**64 integral baffle filters** were required to handle an extract volume in excess of 19m<sup>3</sup>/s.

The canopy also incorporated an insulated supply air plenum to introduce **3.8m<sup>3</sup>/s of inboard air** through a full length linear slot.

A combination of **modular and flat pack construction** guaranteed an efficient export and fast on-site build.

 **OVER 32 METRES IN LENGTH AND 4 METRES WIDE**

 **EXTRACT VOLUME IN EXCESS OF 19m<sup>3</sup>/s**

 **ONE COMPANY FROM DESIGN TO COMMISSIONING**


 **100% ON-TIME & ON BUDGET**




  
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