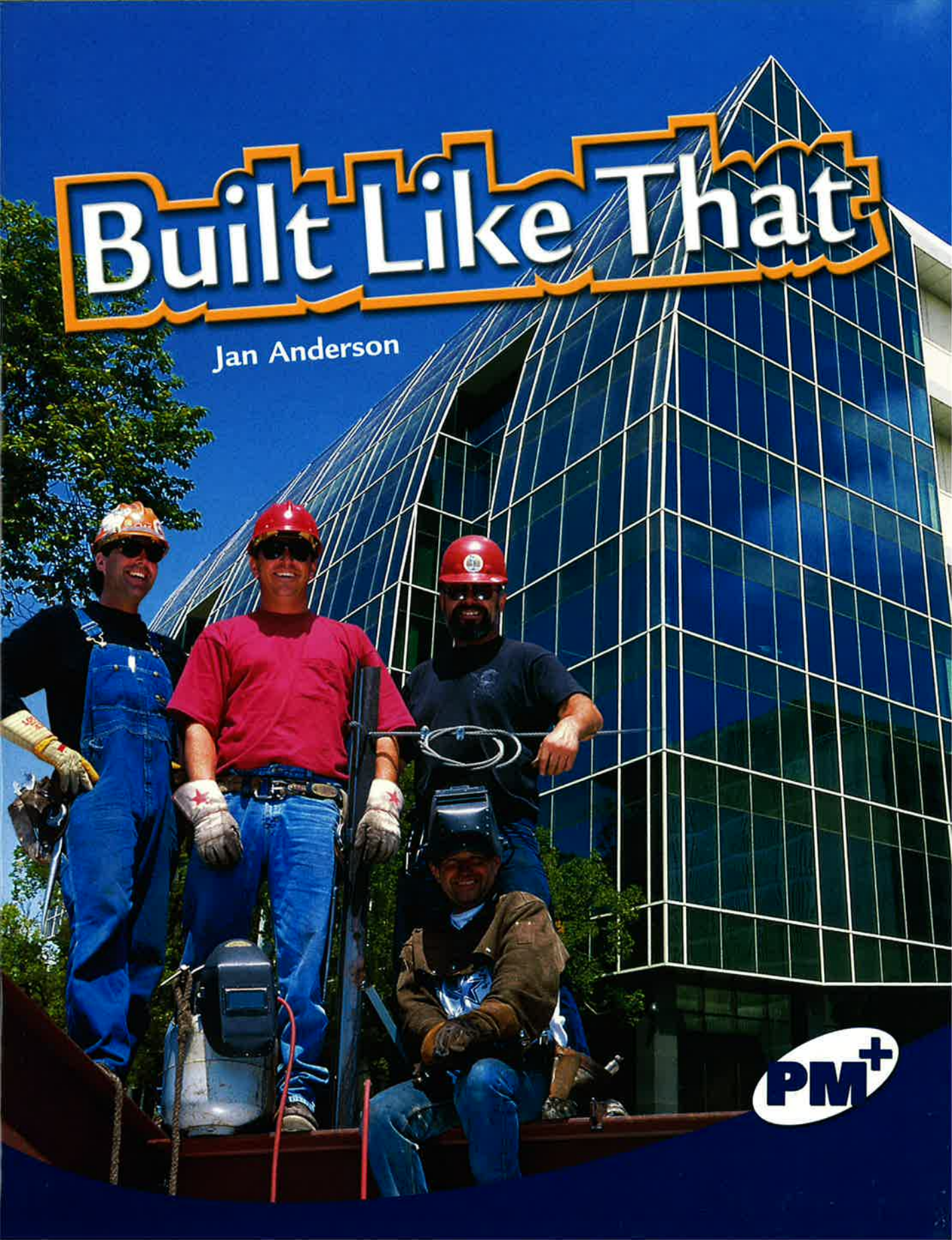

Built Like That
Jan Anderson
PM+

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Introduction

This is the story of building, and how modern technology and materials make construction an interesting part of everyday life.

Many kinds of workers, from architects to plumbers, help to put up buildings. They use concrete-mixer trucks, cranes and computers, and work with materials as different from each other as glass and steel.





It took just a few months for this deep hole in the ground to be transformed into the multi-storey building opposite.



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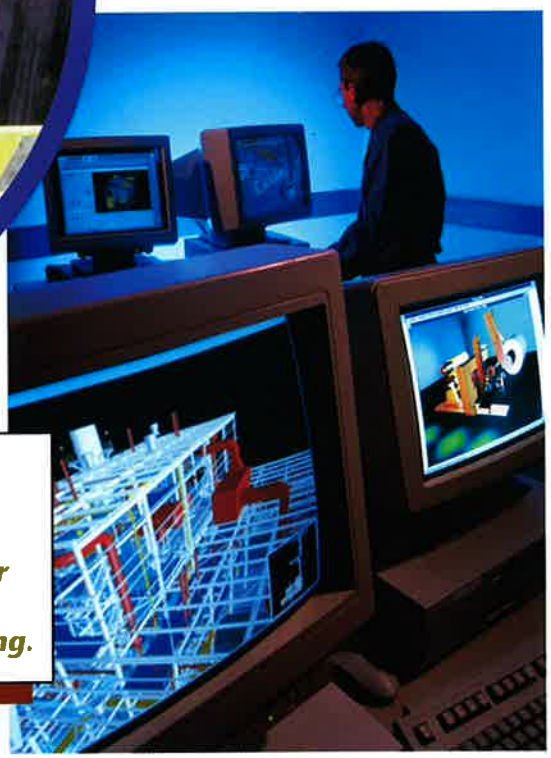


Who Makes It Happen?

Workers with many different kinds of training help to make a building, even a small house.



The architect designs the building and draws the plans. The builder uses these plans to work out the materials needed, what they'll cost, and how to put them together.



Did you know?

Architects use special computer programs for drawing three-dimensional pictures of a building.

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Engineers test the soil so that architects can design the right foundations. Engineers also design the steel frames of tall buildings, and the concrete floors inside them.





Carpenters cut and join the timber parts of a building, like the frame.



Plumbers lay water pipes and make drains.



Tilers lay the roof tiles.

Electricians connect the power to the building, and install the wires that carry the electricity around inside. They put in light switches and power points.



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Chapter 2

Building Materials

The first houses were made of natural materials like wood, or mud, clay and stones. In some parts of the world, these materials are still used.

Many centuries later, people learnt how to saw trees into planks, and cut rock into slates. This meant that natural materials could be put together in new, and more effective, ways.



*The roof of this house is covered in **shingles** sawn from large pieces of wood.*