

## **Enhancing Cable Management with WBT's Optical Fibre Ducting Raceway (OFDR) Solutions**

In today's rapidly evolving digital landscape, effective infrastructure management is critical for optimising performance and ensuring future growth. As the demand for more efficient and reliable data management and telecommunications infrastructure intensifies, Warren and Brown Technologies (WBT) has introduced an updated edition of its Optical Fibre Ducting Raceway (OFDR) catalogue. This new catalogue expands the range of solutions available, providing expert guidance and enhanced design resources that enable seamless, efficient installations. This white paper outlines the key features and benefits of the new catalogue, as well as how WBT's OFDR can support your cable management needs, protecting your valuable infrastructure for the long term.

### **Key Features of the New Ducting Catalogue**

#### **1. Expanded Product Range**

The latest catalogue offers an expanded selection of ducting raceways to meet a variety of applications, catering to industries such as telecommunications, data centres, universities, hospitals, and more. This broad range provides tailored solutions to ensure that each project receives optimal support.

#### **2. Enhanced Design Guidance**

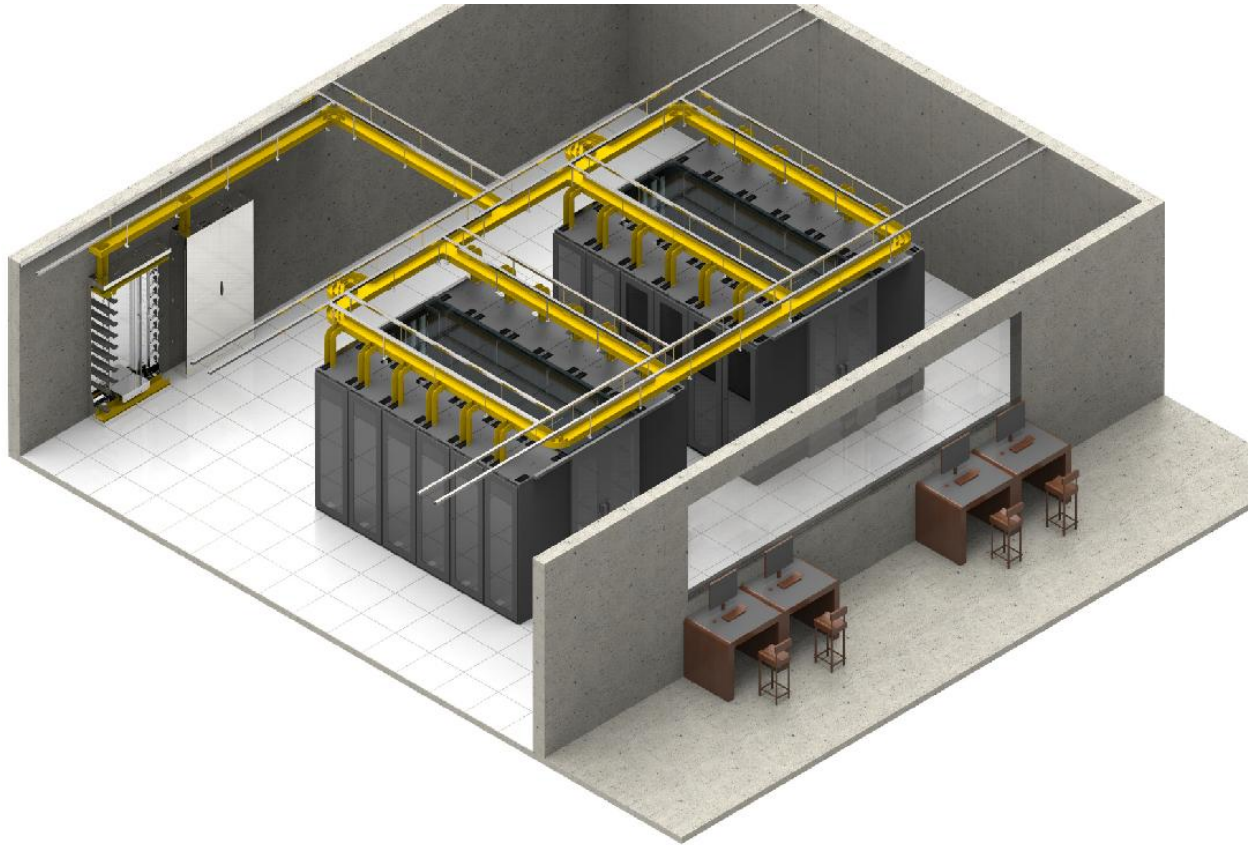
Expert insights within the catalogue help you optimise the planning and installation of your ducting systems. With improved clarity on design options, WBT ensures that your projects are completed on time, efficiently, and with precision.

#### **3. 3D Visuals and Mounting Solutions**

The new catalogue includes advanced 3D visuals and detailed mounting solutions, aiding in project planning and ensuring that your installations are executed with accuracy and ease.

### **Supporting Your Project from Start to Finish**

WBT's commitment to providing full-service support throughout the planning and design phases of your ducting project ensures smooth integration and long-term value. Here's how we support your project:

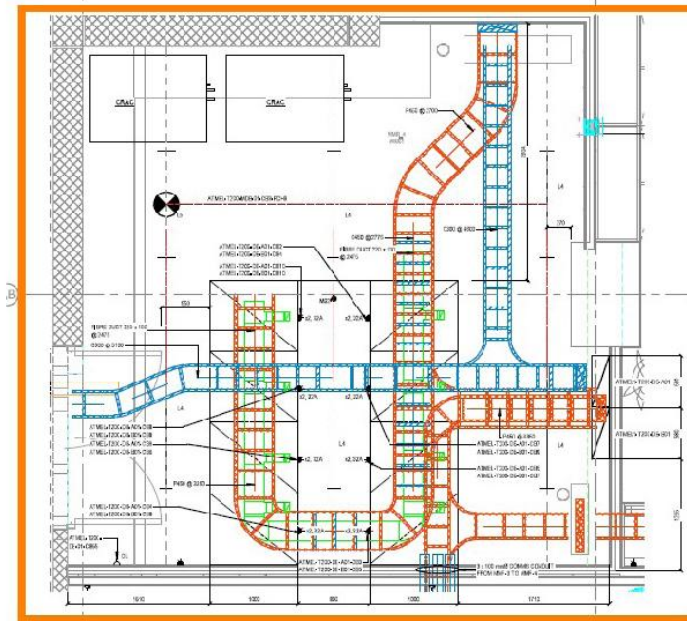


## Plan Your Ducting Layout with WBT

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### 1. Plan Your Ducting Layout

The process begins with planning a tailored ducting layout based on your specific infrastructure needs. This customised approach ensures your system will be scalable and adaptable.

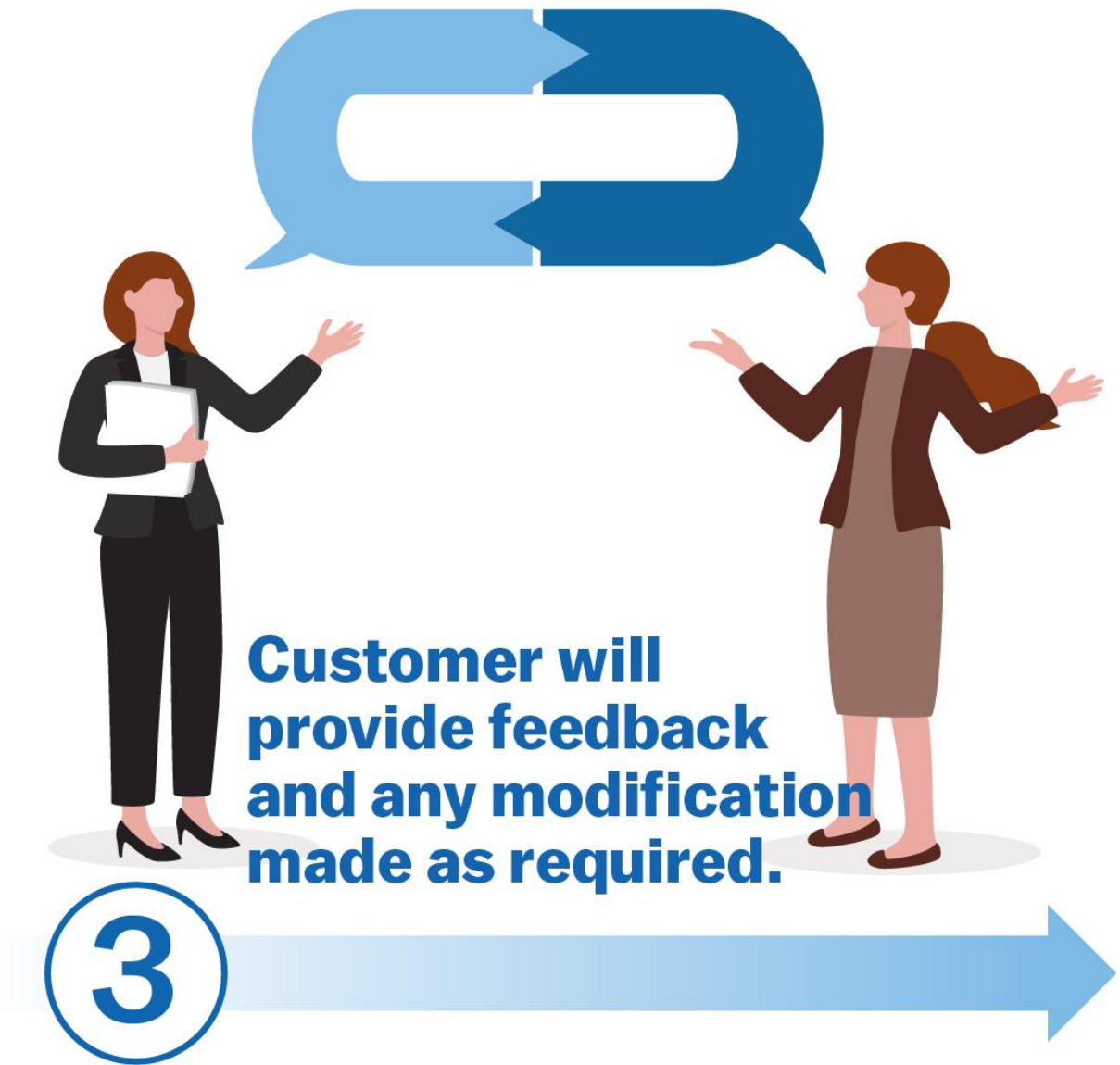


**The WBT Team will  
produce an initial drawing  
/ Layout for comment .**

**2**

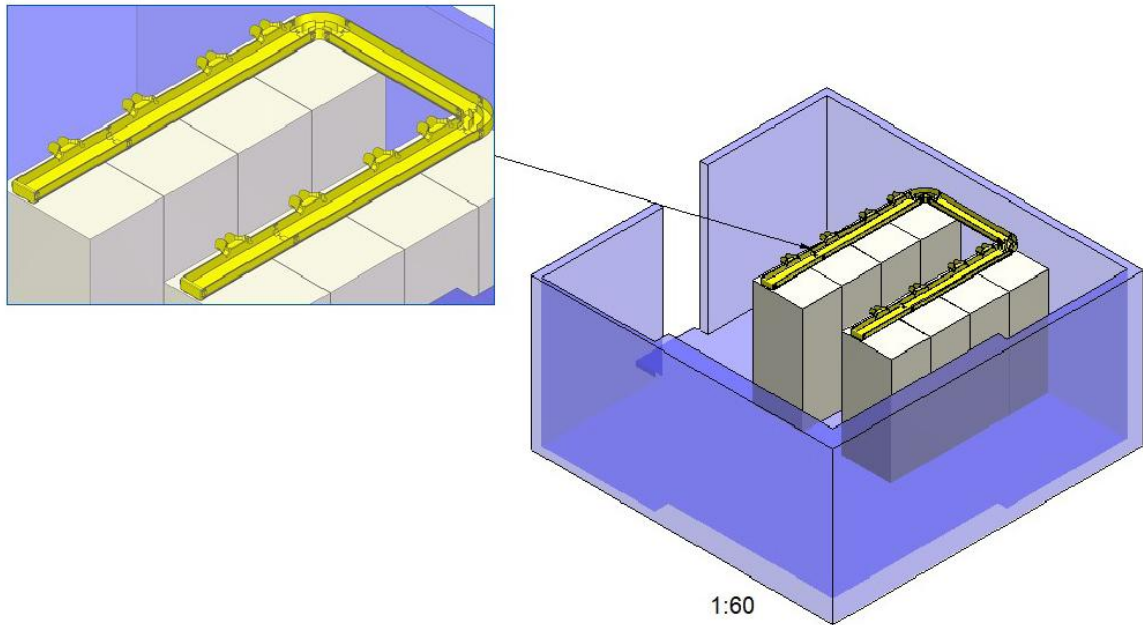
## 2. WBT Develops Initial Drawings

Our team creates a preliminary layout for your review, providing the first step toward designing a system that meets your requirements.



### 3. **Customer Feedback and Modifications**

Once the initial drawings are created, we work with you to make any necessary adjustments, ensuring that the final design perfectly aligns with your project goals.



## WBT Team create a final drawing and Bill of Materials

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### 4. Finalised Drawings and Complete Bill of Materials (BOM)

After all adjustments are made, WBT delivers the finalised drawings along with a comprehensive BOM, streamlining the procurement process and ensuring that no part of the installation is overlooked.

|    | PART DESCRIPTION                                    | PART NO             | TOTAL QTY | PRODUCT IMAGE                                                                       |
|----|-----------------------------------------------------|---------------------|-----------|-------------------------------------------------------------------------------------|
| 1  | 220mm x 100mm Duct & Snap on Lid                    | TC1279-21ASN        | 18        |  |
| 2  | 220mm x 100mm Horizontal Tee & Lid (220mm x 220mm)  | TC1279-01A          | 5         |  |
| 3  | 220mm x 100mm Horizontal Elbow & Lid 90 Deg         | TC1279-29A          | 5         |  |
| 4  | 220mm x 100mm Vertical Tee & Lid (100mmx100mm Drop) | TC1279-11A          | 4         |  |
| 5  | 220mm x 100mm Storage Loop & Lid (Inline)           | TC1279-207KIT       | 2         |  |
| 6  | 220mm x 100mm Joiner                                | TC1279-25           | 40        |  |
| 7  | 220mm x 100mm Endcap                                | TC1279-56           | 1         |  |
| 8  | Side Drop-Off to 100mm x 100mm Ducting - Raceway    | TC1279-111KIT       | 12        |  |
| 9  | 100mm x 100mm Endcap (End Support Bracket)          | TC1279-57D          | 12        |  |
| 10 | 100mm x 100mm Duct & Snap on Lid                    | TC1279-23ASN        | 4         |  |
| 11 | 100mm x 100mm Joiner                                | TC1279-27           | 15        |  |
| 12 | Suspension Bracket Mounting Kit<br>220mm Ducting    | Suits TC1279-106KIT | 38        |  |



## Bill of Materials produced

### 5. BOM Delivered for Installation

Once your BOM is delivered, you'll have all the components needed to proceed with the installation, ensuring a smooth and efficient process.

By following a proactive approach to planning, you can avoid the common pitfalls of retrofitting ducting into live infrastructure. With expert support from WBT, your systems will be designed to evolve alongside the growing demands of the industry.

### The Importance of OFDR: A Future-Proof Solution

WBT OFDR is the perfect solution for those looking to manage, route, and protect optical fibre cords. Designed and manufactured in Australia, OFDR offers exceptional durability, versatility, and safety for optical fibre cable management. Here's why OFDR is the ideal choice:

- **Future-Proof Design:** OFDR's adaptability ensures that your cable management system can grow with your infrastructure, providing a scalable solution for today and tomorrow's needs.
- **Safety First:** OFDR is constructed from fire-retardant Low Smoke Zero Halogen (LSZH) material certified to UL94V-0 standards. This reduces the emission of toxic and corrosive gases during a fire, protecting personnel and equipment.
- **Comprehensive Cable Management:** OFDR covers all aspects of cable management, from bend radius protection to physical protection, ensuring that your optical fibre system remains in optimal condition.

### **Diverse Range of Options**

OFDR comes in three colours and seven sizes, including options with solid and slotted walls to accommodate exiting fibres. With the recent addition of the 600 x 100 ducting raceway, OFDR offers a maximum capacity of up to 7500 two-millimetre patch cords at a 50% fill rate. Custom solutions are available to meet the unique needs of your facility.

### **Easy Installation**

OFDR components are designed for quick and easy installation. Choose from slotted or slotless joiners, depending on your requirements. Made from Noryl, a robust, self-extinguishing engineering plastic, OFDR is halogen-free and offers minimal risk in the event of a fire.

### **Certified Quality**

WBT OFDR meets stringent standards, including ISO9001, UL2024A, EEU-ROHS, and GR-63 Core Earthquake tests. Furthermore, it comes with a 10-year warranty, ensuring peace of mind for every installation.

### **Proudly Australian-Made**

Manufactured locally, WBT OFDR is backed by unmatched local stock availability and dedicated support. With the reassurance of working with a globally recognised brand, OFDR is a dependable solution for your optical fibre cable management needs.

Effective cable management is essential for ensuring the long-term success and reliability of telecommunications and data centre infrastructure. WBT's Ducting Raceway Catalogue offers a comprehensive range of solutions designed to meet the diverse needs of the industry, while OFDR provides a flexible, future-proof system for managing and protecting optical fibre cords. By leveraging WBT's expertise and high-quality products, you can optimise your projects and ensure efficient, seamless installations that evolve with your needs.

For more information and to explore the full range of WBT's ducting solutions, visit our [website](#) to download the latest [catalogue](#) today.