

武汉驿路通科技股份有限公司，坐落于中国光谷，是一家专业从事光通信传输解决方案和产品制造的高新技术企业，是国家专精特新重点“小巨人”企业。驿路通产品线包括光配线、光纤阵列、波分复用、光纤光栅、光引擎等产品，目前已广泛应用于光纤通信、数据中心、5G、光纤传感、硅光、激光雷达、远程医疗等领域，市场遍布欧美、中东、亚太、南美、非洲的50多个国家和地区。

Wuhan Yilut Technology, rooted in China Optics Valley for over 20 years, has developed into a leading enterprise in the optical communication and optical sensing industries, specializing in the research, development, and production of passive optical devices.

The company manufactures products such as Optical Distribution Frame (ODF), Fiber Array (FA), Wavelength Division Multiplexing (WDM), Fiber Bragg Grating (FBG), and SiPM OE (Optical Engine). These products have been widely applied in various fields, including FTTx, data centers, 5G, fiber optic sensing, silicon photonics, LiDAR, and remote healthcare.

Wuhan Yilut Technology aims to serve customers worldwide across different industries by providing advanced and reliable solutions and optical equipment.

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FTTx 解决方案

FTTx (光纤到户) 旨在为用户提供高速宽带，对于高层建筑和别墅住宅，存在不同的解决方案。

对于高层建筑：在建筑物的主配线室中使用带分光器的大容量光配线架 (ODF) 进行分光，然后通过地下暗管将光纤引导到每个客户单元，并连接到光网络单元 (ONU) 实现宽带接入。

对于多层建筑：可以在住宅区附近的光配线架处进行分光，然后将光纤引导到楼层的光配线架，在楼层终端可以进行二次分光，以实现楼层终端接入，同样可以实现ONU终端接入。

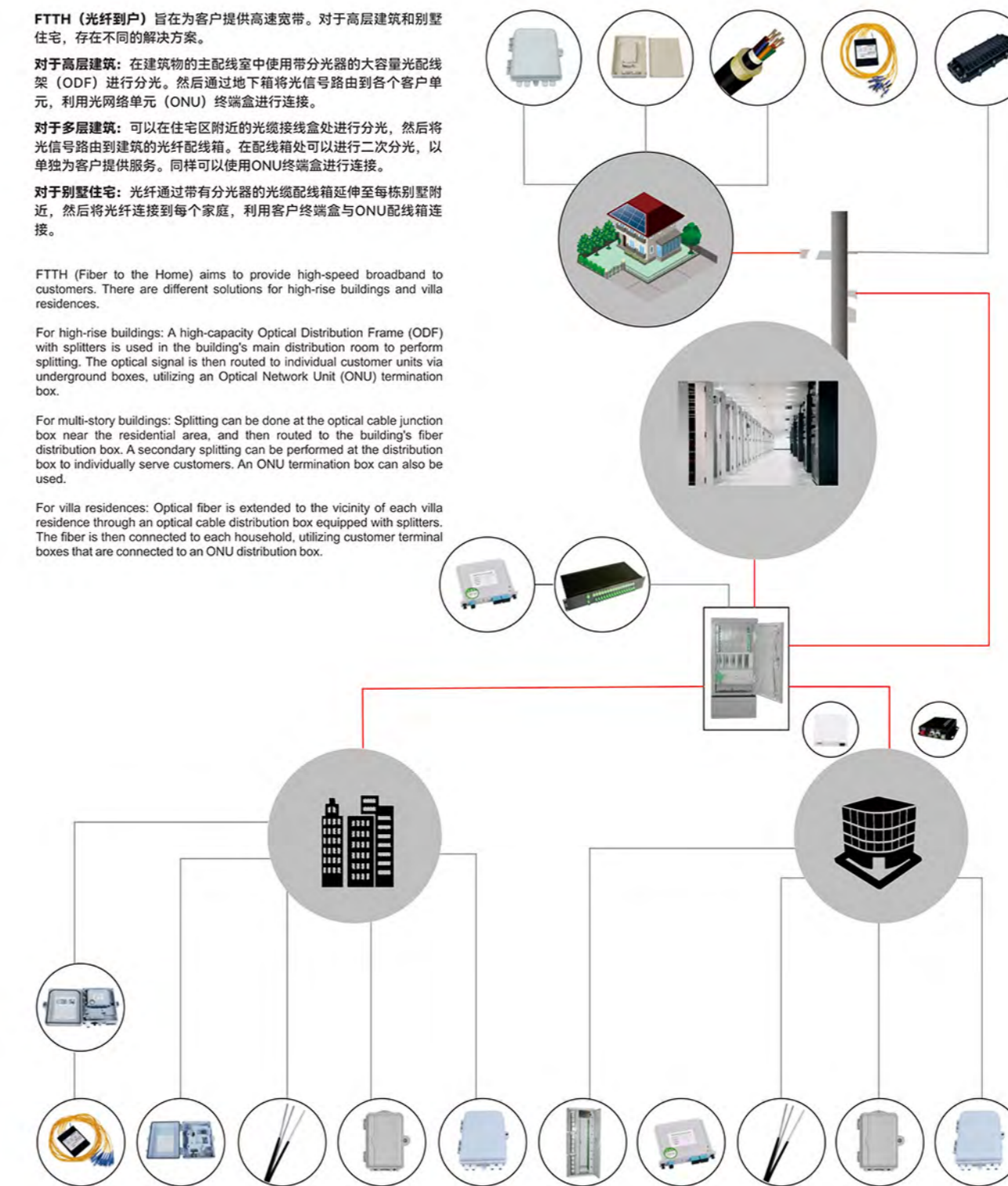
对于别墅住宅：光纤通过带有分光器的光配线架延伸到每个别墅终端，然后将光纤连接到每个家庭，利用客户终端盒与ONU实现终端接入。

FTTx (Fiber to the Home) aims to provide high-speed broadband to customers. There are different solutions for high-rise buildings and villa residences.

For high-rise buildings: A high-capacity Optical Distribution Frame (ODF) with splitters is used in the building's main distribution room to perform splitting. The optical signal is then routed to individual customer units via underground tubes, utilizing an Optical Network Unit (ONU) termination box.

For multi-story buildings: Splitting can be done at the optical cable junction box near the residential area, and then routed to the building's floor distribution box. A secondary splitting can be performed at the distribution box to individually serve customers. An ONU termination box can also be used.

For villa residences: Optical fiber is extended to the vicinity of each villa residence through an optical cable distribution box equipped with splitters. The fiber is then connected to each household, utilizing customer terminal boxes that are connected to an ONU distribution box.



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Wuhan Yilut Technology Co., Ltd

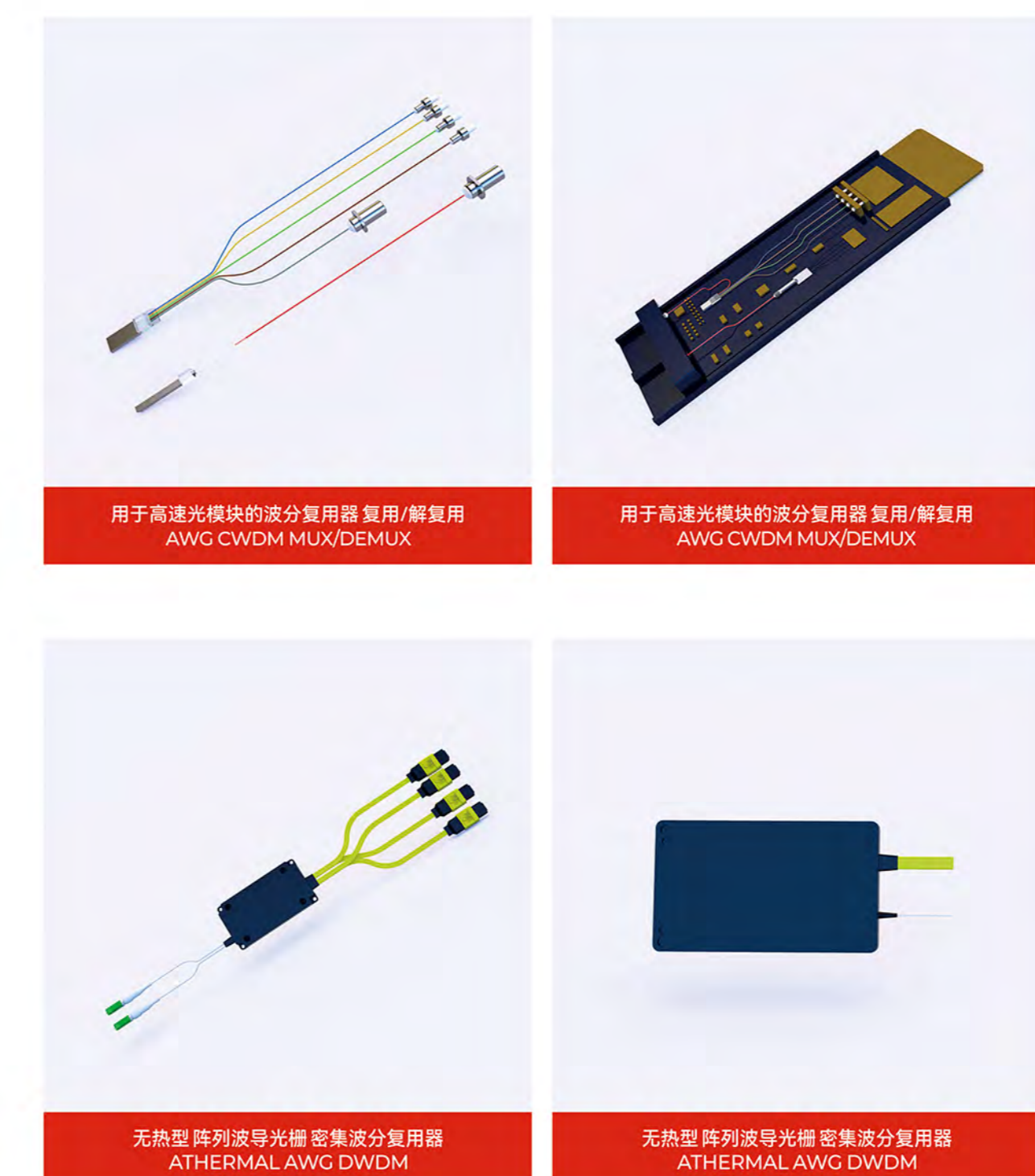
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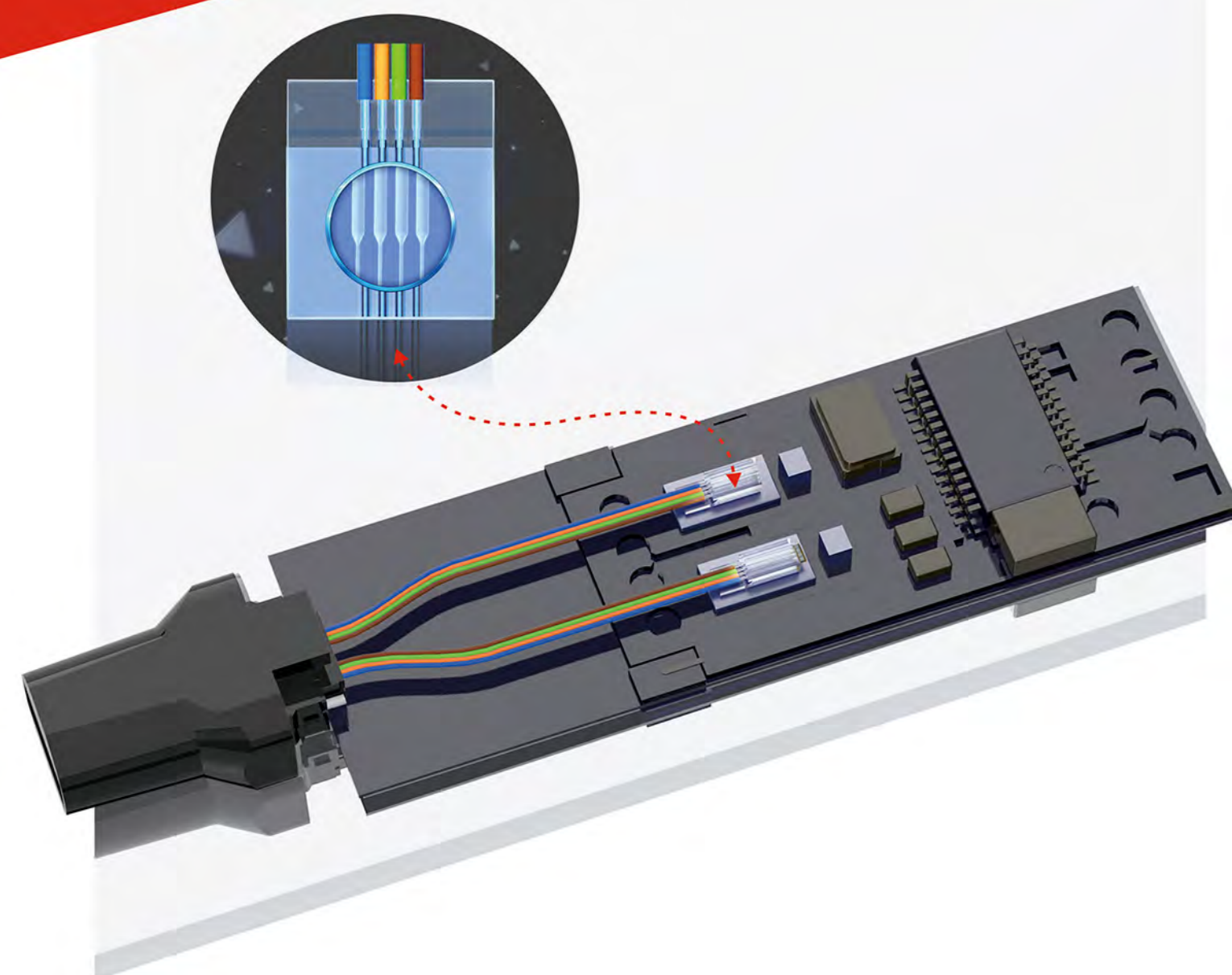
光纤阵列 (FA)



波分复用器 (AWG)



硅光引擎
OPTICAL ENGINE



光纤光栅 (FBG)

