



Business Briefing Communications Solutions business

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June 8 / 11, 2021 Furukawa Electric Co., Ltd. This presentation materials are created for the purpose of providing information on Furukawa Electric's activities for shareholders, investors, and members of the media.

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- 1. Review of the 2020 Medium-term Management Plan
- 2. Current status of the optical fiber and cable business and future outlook
- 3. Current status of the optical fiber and cable solutions business in Central and South America
- 4. Current status of the optical device business and future outlook
- 5. Future outlook of the industrial lasers business
- 6. Future outlook of the broadband solutions business Appendix

Basic policy in Furukawa G Plan 2020

Strengths

Develop a global business with an awareness of the advances in 5G

- Global production network in growing markets
- Differentiation through high performance products and technology (optical fiber & cable, digital coherent and network technology)



Main points of focus:

- Optical fiber and cable
 - Increase optical fiber and cable production and sales in North America
 - Expand the Central and South America solutions business
- FITEL products
 - Increase ITLA (variable wavelength light source) production
 - Accelerate the industrial laser business
- Broadband
 - ✓ Enhance the lineup of network products in Japan

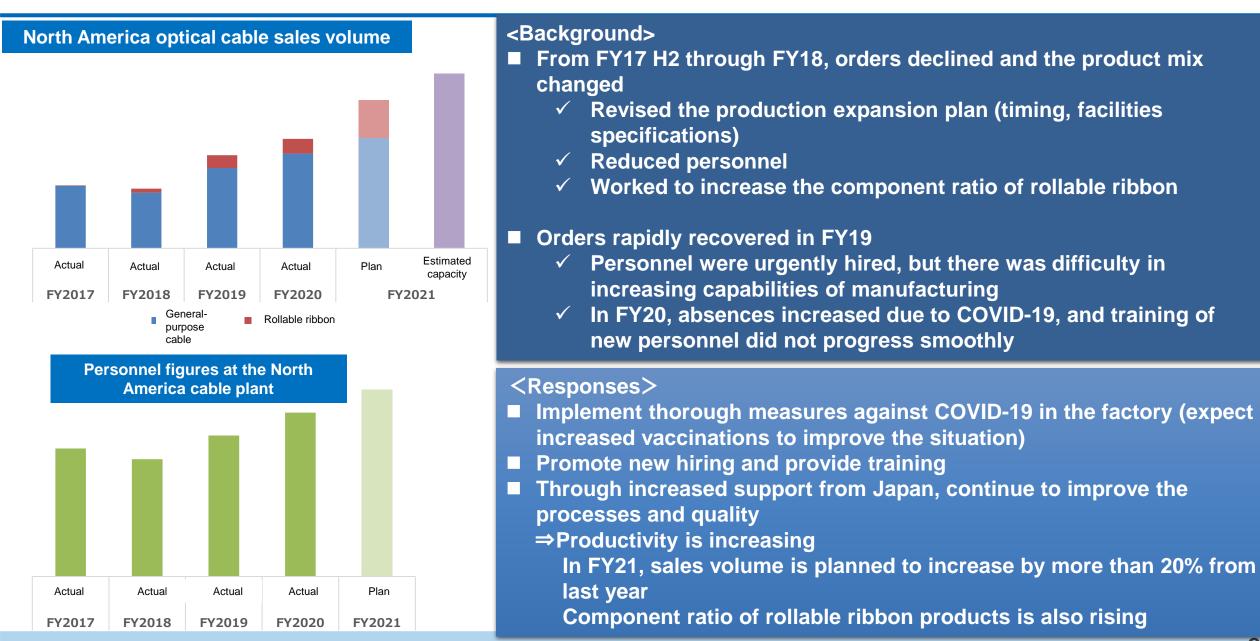
Provide basic technology for high speed, large volume communications



1. Review of the 2020 Medium-term Management Plan

	Main achievements	Issues		
Optical fiber and cable	 Established a framework for increasing optical fiber and cable production in growing regions 	✓ Increase optical cable productivity in North America		
	(Americas, Europe, Africa, India)	 Respond to falling prices of general-purpose fiber and cable 		
	✓ Expanded rollable ribbon globally			
	 Expanded the Central and South America solutions business 	 Roll out the Central and South America solutions business to other regions 		
FITEL products	 ✓ Increased ITLA (variable wavelength light source) production ✓ Full-scale commercialization of industrial 	✓ Reduce ITLA costs		
		 Quickly launch next generation ITLA products 		
		✓ Increase sales of industrial lasers		
	lasers (develop through co-creation with partners)			
Broadband	 Maintained the No. 1 share of FTTH systems for CATV in Japan 	 Develop and launch new products and systems that respond to the advances in broadband infrastructure 		
solutions	 Developed and launched products for responding to digital terrestrial television, broadcasting high definition images and routing virtualization 			
		(FTTH advances, fusion of optical & wireless)		
		C		

2.Current status of the optical fiber and cable business and future outlook



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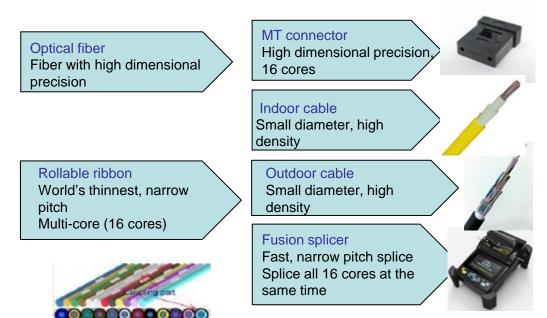
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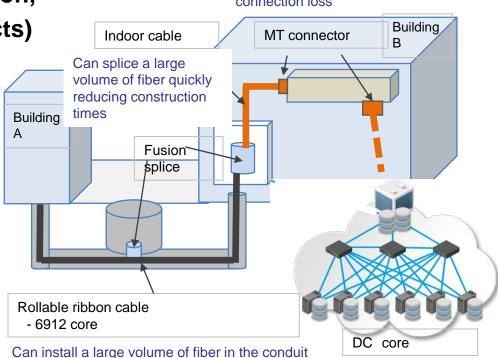
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2. Current status of the optical fiber and cable business and future outlook FURUKAWA

~Response to the data center (DC) market~ Main point of differentiation (efficient space use, shorter time requirements, energy saving)

- Through small diameter cable using thin, narrow pitch rollable ribbon, realize higher fiber density (2 times more fibers compared to existing products)
- ➤ Through longer lengths, reduce the number of connections and fusion splicing workload (5 locations ⇒3 locations over 18km)
- Through fiber and connectors with high dimensional precision, realize low connection loss (15% lower than existing products)





Efficient use of space through small diameter and lightweight, and easier to install



Support DC expansion through low connection loss

3. Current status of the optical fiber and cable solutions business in Central and South America

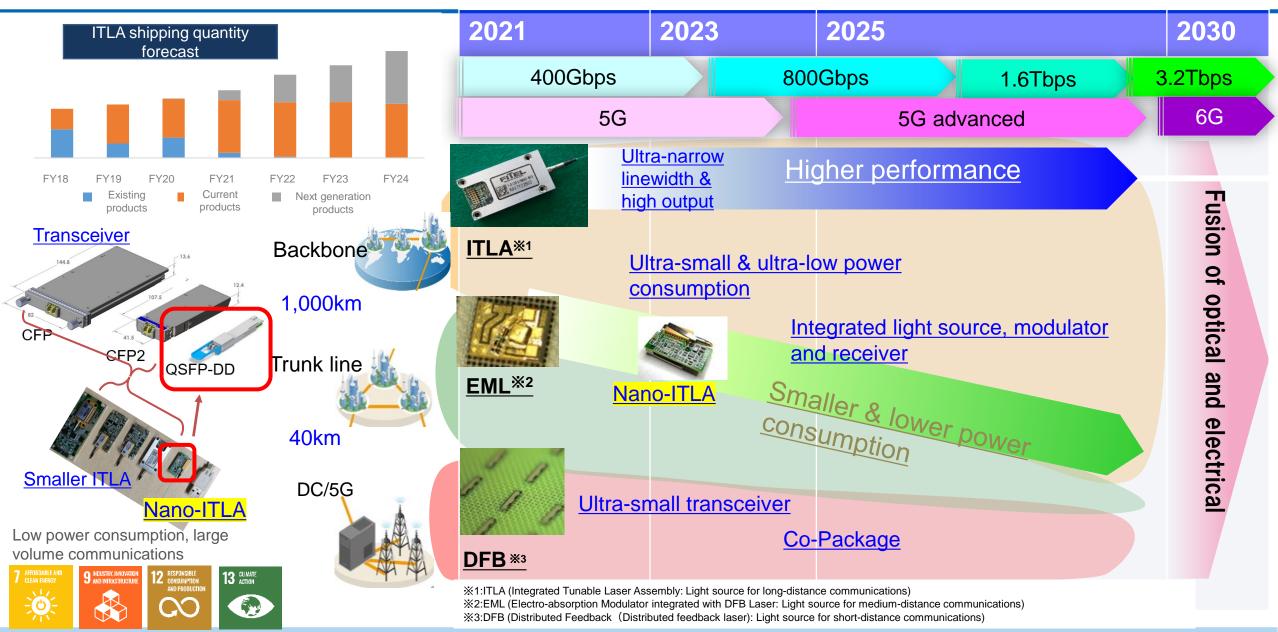
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Realize growth through development of the solutions business in Central and South America



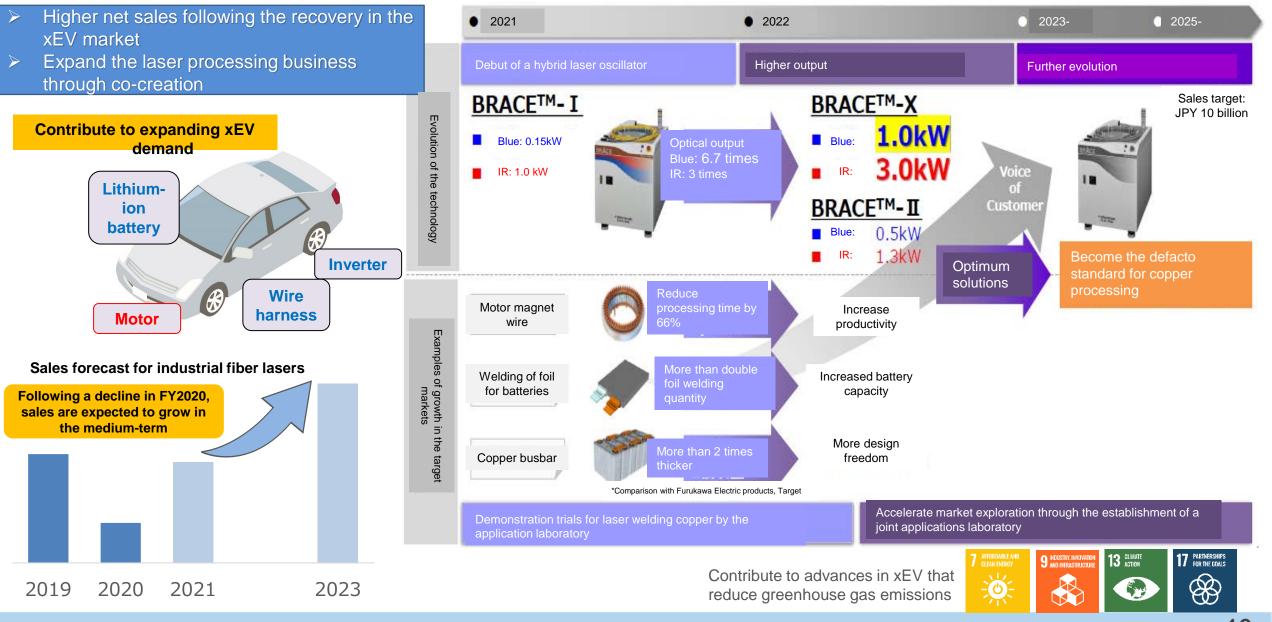
4. Current status of the optical device business and future outlook

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5. Future outlook of the industrial lasers business

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6. Future outlook of the broadband solutions business

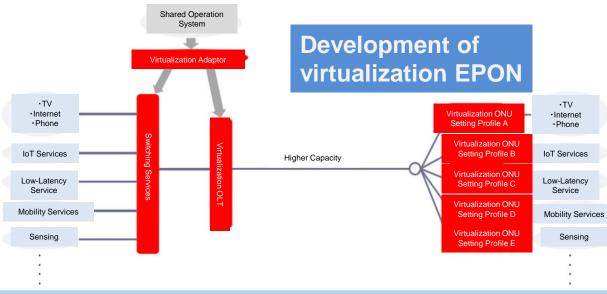
<Broadband solutions>

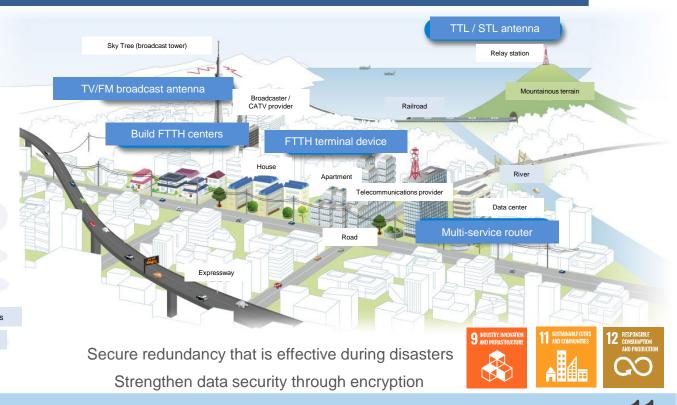
- By introducing new device and system products aimed at advancing the broadband infrastructure, work to recover business performance and respond to the demand from:
 - Government policy of promoting conversion to FTTH and faster speed (10Gb/s)
- More FTTH users following the shift to working from home

https://www.furukawa.co.jp/broadband/solution/

- Continue to invest in development directed toward Society 5.0 and next generation network architecture that fuses optical and wireless
- Development of virtualization EPON
 Start sales of vFX-R virtual route reflector

https://www.furukawa.co.jp/en/release/2021/comm_20210115.html https://www.furukawa.co.jp/release/2021/comm_20210331.html





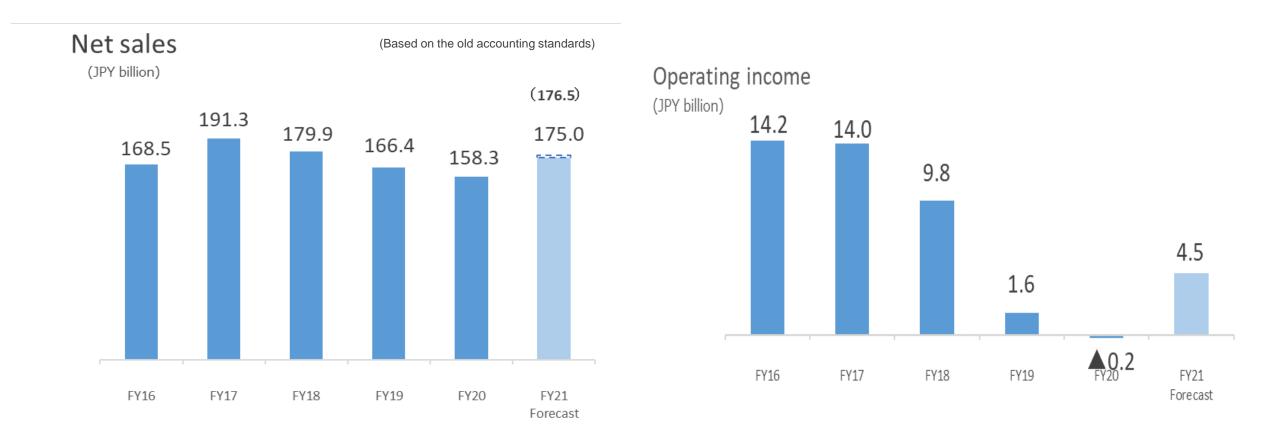
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Thank you very much for your attention.



AppendixChange in net sales and operating income during the 2020Medium-term Management Plan and FY2021 forecast



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[FY2021 (Year zero of the 2025 Medium-term Management Plan) basic policy (directed toward achieving Vision 2030)]

Contribute to realizing safe, peaceful and rewarding daily life in a society that combines information, energy and mobility by evolving the elemental telecommunications technology accumulated to date and providing additional solutions.

[Strengths as a division]

- Global production network in growing markets
- Differentiation through high performance products and technology (optical fiber & cable, digital coherent and network technology)

[External environment – Main revenue opportunities]

- Increased communications traffic worldwide
- Advances in 5G and IoT
- Changes in the social environment caused by COVID-19

[Issues and initiatives]

- In response to falling general-purpose product prices, reduce the cost of manufacturing through increased productivity
- Promote the development of next generation products

[Future outlook]

In a 5G society, "high speed, large volume", "low latency" and "simultaneous connection of multiple terminals" are required. We will continue to develop and sell products and services that meet these needs of society.

[External environment – Main risks]

- Trade friction between the US and China
- Decoupling
- High raw material prices and difficulty in procuring
- Semiconductor shortage



Appendix - Product overview



	Optical fiber and cable products		FITEL products		Broadband solutions	
Main products	 Low loss fibers for submarine power cable and long distance Low bending loss fiber for building/ residential applications 	Rollable ribbon cable	 Variable wavelength laser modules (ITLA*) 	Industrial lasers	FTTH system devices	Network routers
Main applications	 Telecommunications business Video broadcasts Data centers 	 Telecommunications business Video broadcasts Data centers 	 Digital coherent signal light source 	 Cutting and welding process, etc. 	 Telecommunications and broadcast service Design and installation 	 High speed, large capacity telecommunications service Establish VPN
Main customers	 Telecommunications ca CATV providers OTT 	arriers	 System vendors Transmission device manufacturers 	 Industrial processing manufacturers 	 CATV providers Municipalities Telecommunications providers 	 Telecommunications providers General companies