



IR Business Briefing Communications Solutions Business

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Forward-Looking Statements

Projections of future sales and earnings in these materials are "forward-looking statements."

Management offers these projections in good faith and on the basis of information presently available.

Information in these statements reflects assumptions about such variables as economic trends and currency exchange rates.

Forward-looking statements incorporate known and unknown risks as well as other uncertainties that include, but are not limited to, the following items.

- Economic trends in the U.S., Europe, Japan and elsewhere in Asia, particularly with regard to consumer spending and corporate expenditures.
- Changes in exchange rates of the U.S. dollar, euro, and Asian currencies.
- The Furukawa Electric Group's ability to respond to rapid advances in technology.
- Changes in assumptions involving financial and managerial maters and the operating environment.
- Current and future trade restrictions and related matters in foreign countries.
- Changes in the market value of securities held by the Furukawa Electric Group.

Due to the above factors, actual sales, earnings, and other operating results may differ significantly from Looking Statements in these materials. In addition, following the release of these materials, Furukawa Electric Group assumes no obligation to publicly announce any revisions to forward-looking statements in these materials

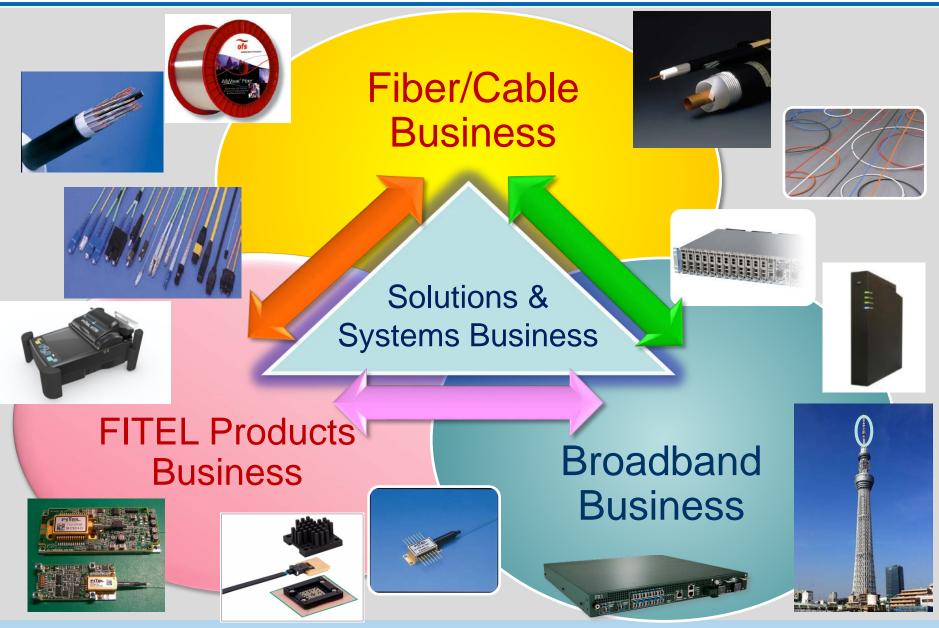
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Furukawa Electric Co., Ltd.

Business Composition

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Contributing to the expansion of various communication networks worldwide with our broad product line-up and new product development capability

*Our fiber and cable business is one of the world's biggest In 2001 we inherited OFS, the optical fiber arm of the former Lucent Technologies



Optical fibers

Optical fiber cables

Optical drop cables

FITEL Products Business (Optical parts, devices)

Contributing to the building of a high-speed, high-capacity communications infrastructure by providing optical components, equipment and systems

Optical components for optical digital coherent (ITLA etc.) Equipment/Tools for FTTX optical distribution network (Fusion Splicer etc.) Fiber laser, optical censing/monitoring systems *No.1 global share in ITLA



Tunable laser modules (ITLA)



High-output laser module



Optical connector

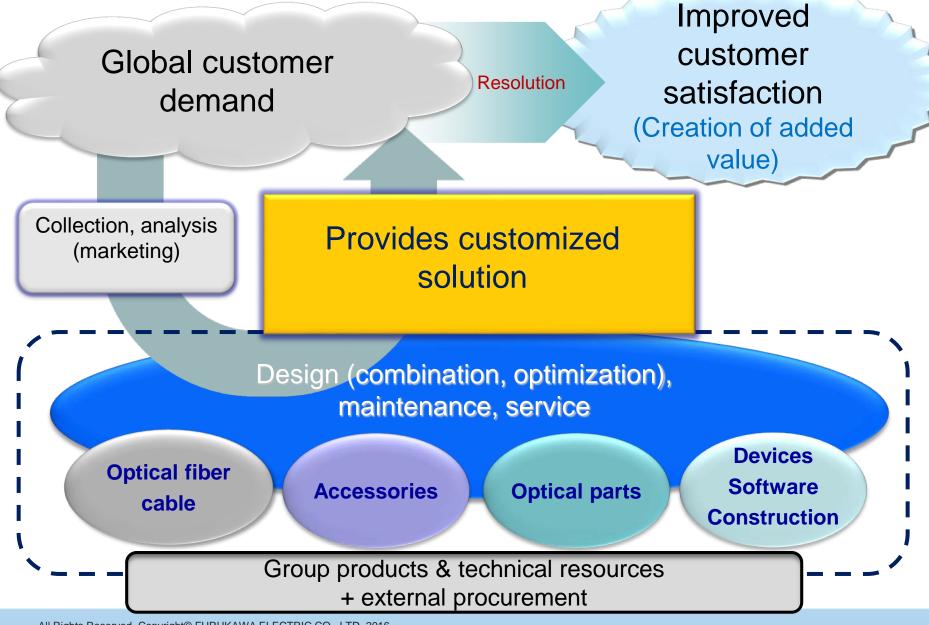
Provides full-service solutions for high-speed, high-capacity communications and broadcasting Sales expansion and development of systems related to infrastructure toughening, disaster prevention and reduction, etc.

FTTH systems, E-PON, 10Gig Multi Service Router, Notification system for local disaster prevention, antennas, etc. *E-PON ONU has top share in Japan CATV market (over 70%)



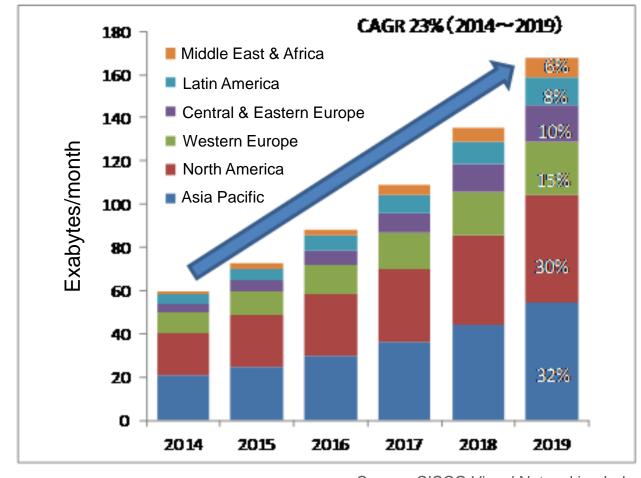
Solutions & Systems Business

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Trend of Communications Traffic Capacity (Worldwide)

IP traffic forecast to nearly triple from 2014 to 2019



Source: CISCO Visual Networking Index (VNI) Global IP Traffic (Exabyte/Month)

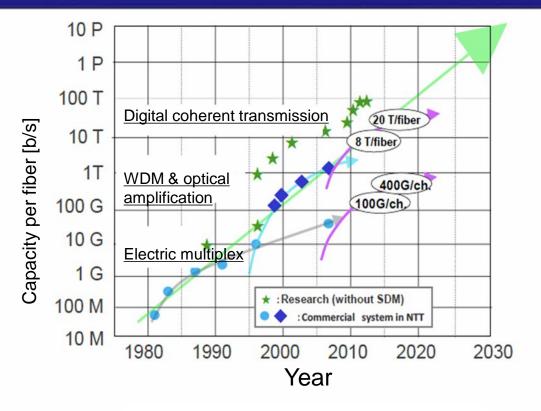
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High-Speed High-Capacity Trends

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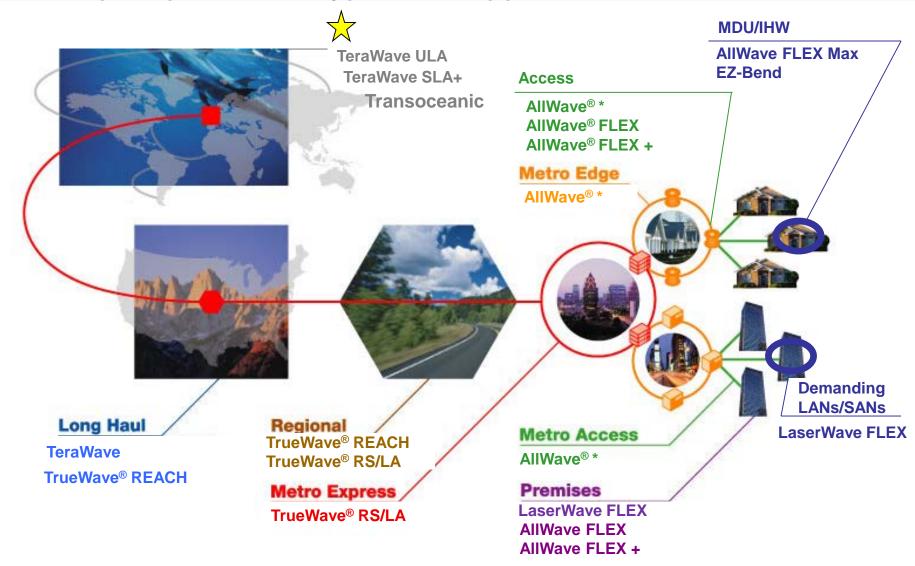
Mostly 100G/400G digital coherent transmission for long-distance, submarine
(1) Expected to increase from 10G to 100G in 2018, centered on metro networks
(2) Promoting introduction of 400G to connections between hyper data centers
(3) Further increase in demand for optical submarine cables supporting elimination of communications borders



Taken from NTT Technology Journal (Aug. 2014)

Business Strategy – Group's optical fiber types and applications

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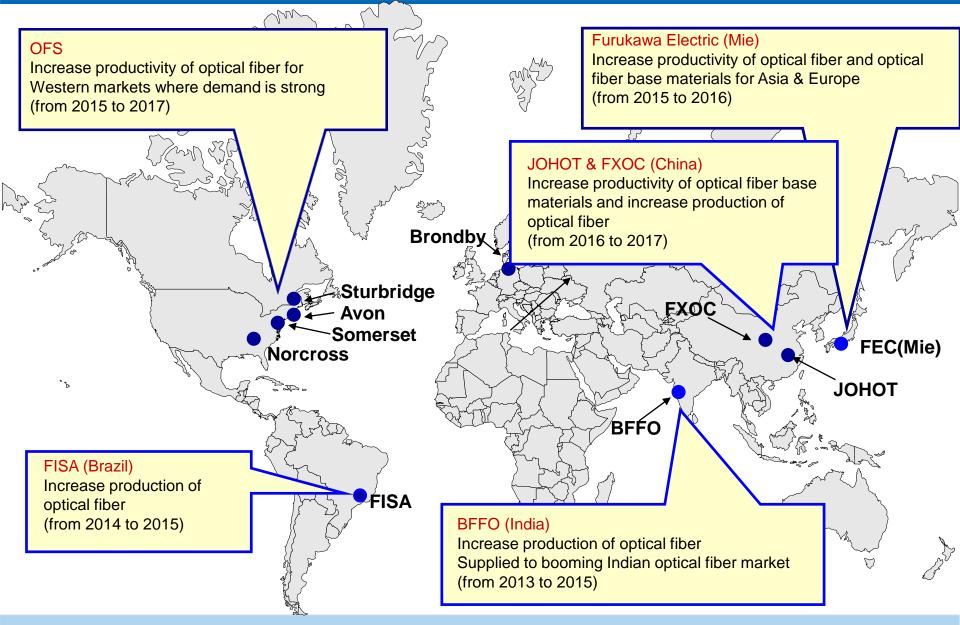


*AllWave® includes AllWave One, AllWave +, AllWave LL, standard AllWave



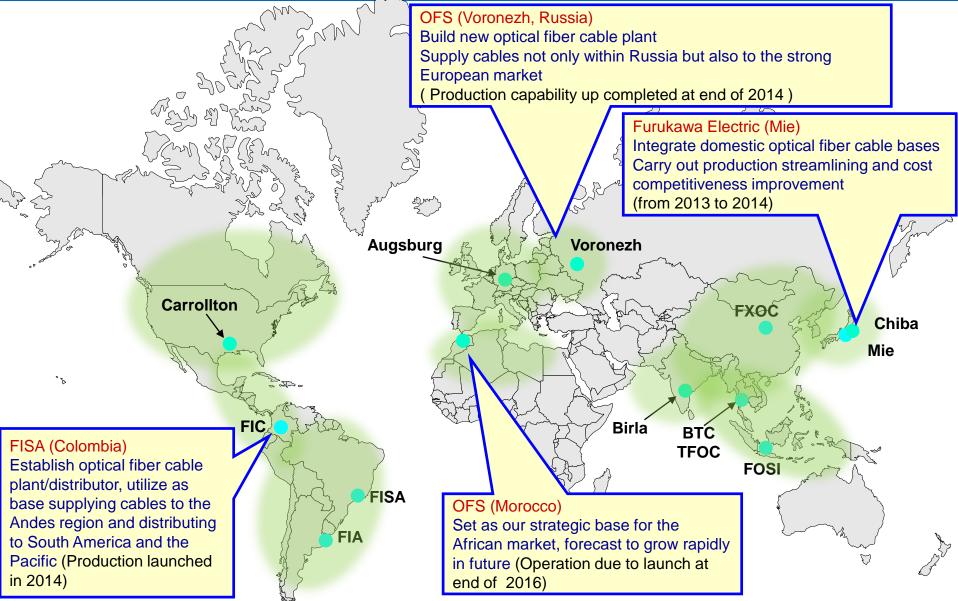
- Optical fiber manufacturing bases

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Business Strategy – Optical fiber cable manufacturing bases

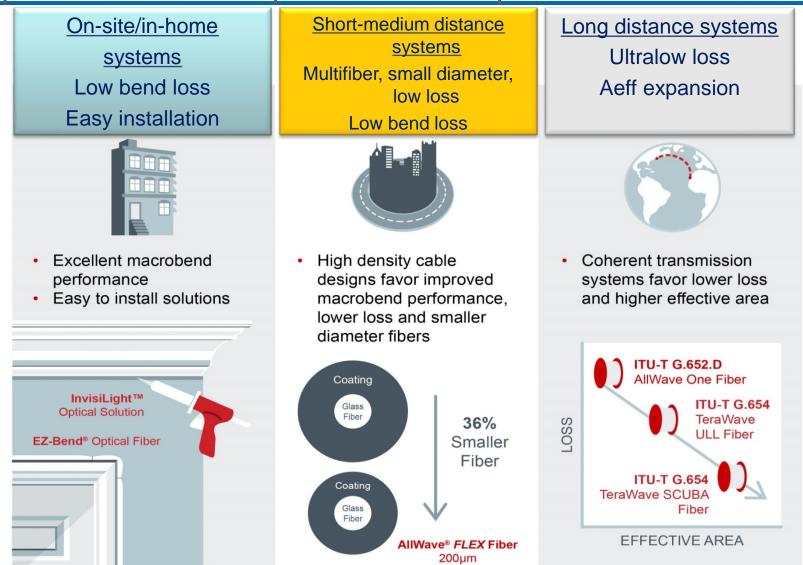
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Business Strategy

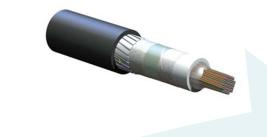
Optical fiber development roadmap

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Business Strategy – Optical fiber cable development roadmap









12 core rollable ribbon

2016

8 core rollable ribbon

4 core rollable ribbon

2018 High fiber count rollable ribbon cable

(for world market)

Next generation rollable ribbon cable

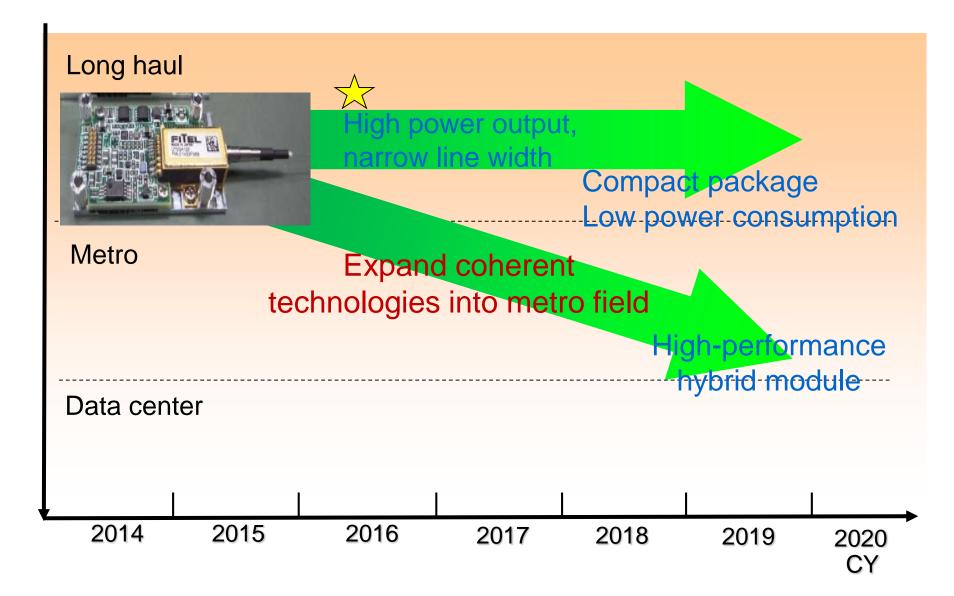
(for world market)



Key technologies

- Rollable ribbon cable
- Multi-core fiber , thin fiber
- Connection of above rollable ribbons

Business Strategy – ITLA development roadmap

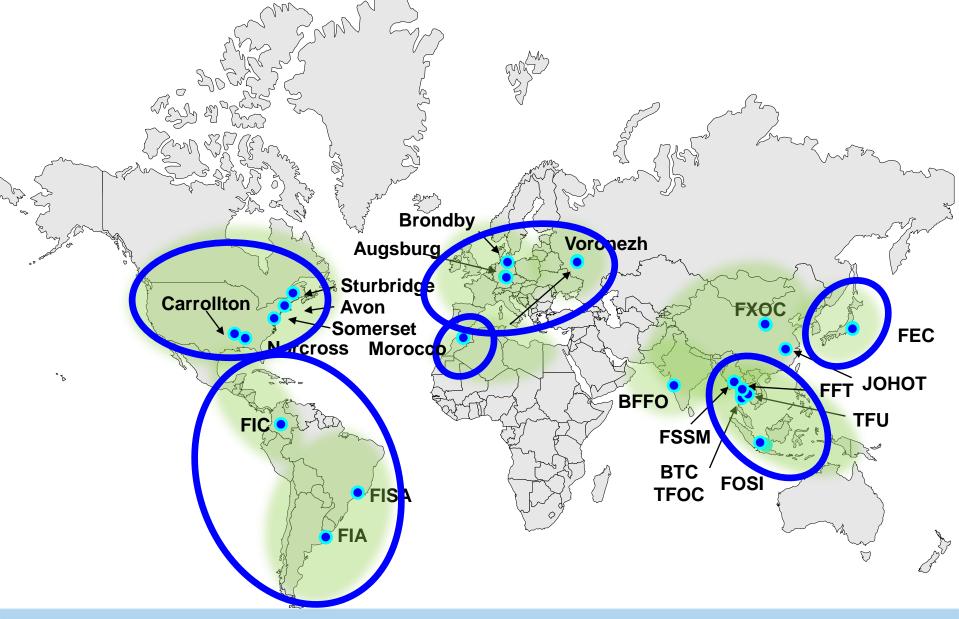


Business Strategy FURUKAWA Domestic solutions business development (CATV) ELECTRIC Offer one-stop solution for full-service systems, \succ No.1 track record in FTTH system installations provides solution proposals, equipment, design and installation for CATV operators (Track record of more than 45 years) TTH installation track record HFC installation track record E-PON ONU has held top share (over 70%) \geq of CATV market more than 5 years E-PON ONU volume & share 160,000 100.0% E-PON ONU total 90.0% 140.000 Furukawa Electric 80.0% 120.000 70.0% No. of units ▲ Proportion (%) 100,000 60.0% 80.000 50.0% 40.0% 60.000 Also maintain and raise the top share of our high-speed, 30.0% 40.000 20.0% high-capacity compatible next-generation 10G-EPON 20,000 10.0% 0 0.0% *Approval received in April 2016 from KDDI for the first EX2010 :+2012 EX2011 co-existence model of 10G-EPON and existing E-PON (Source: Furukawa Electric)

> Utilize our long-nurtured wireless technology even for solution development in the disaster prevention field

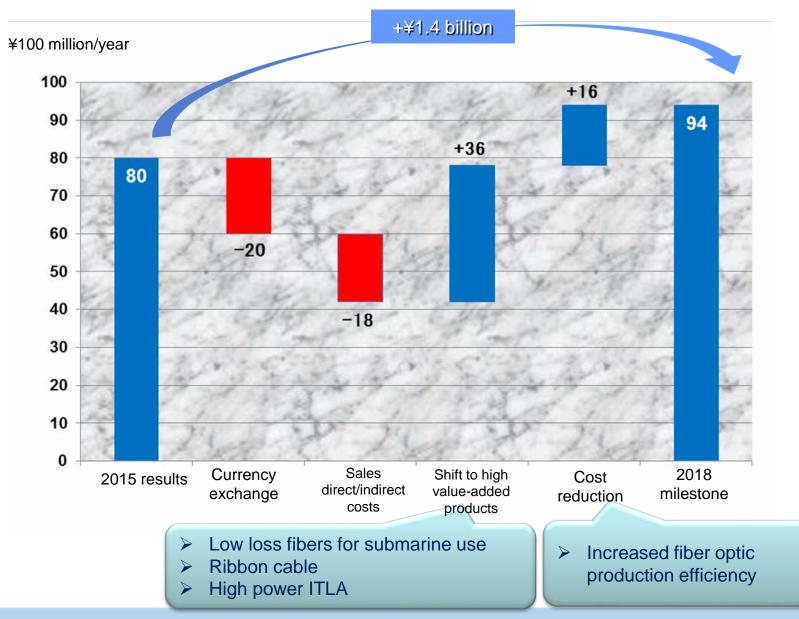
Business Strategy – Overseas solutions business development

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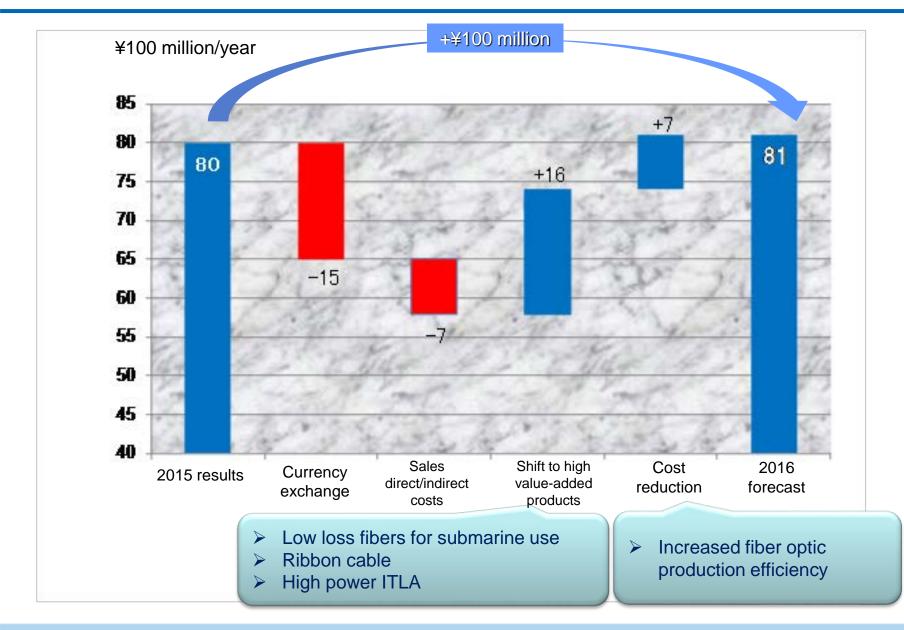


Operating Income - '15 results v. '18 milestone





Operating Income - '15 results v. '16 forecast



FY2016 Communications Solutions Segment **Business Plan**

Promote global
business operations

- Establish market-based functional (lateral) global organization Implement FGS (Furukawa Global Sourcing)

Further enhance earning power of focus products

- Increase fiber optic production
- Keep ITLA's No.1 global share by new product development and cost reduction

Reinforce business foundation through structural reform

Accelerate creation of new business & new products

- Enhance customer response capability
- Transform solutions business of SE Asian bases
- Improve earnings of domestic-related companies
- Strengthen sales & development of ribbon cables, low loss fiber optics for submarine use, etc. for data center market
- Enhance IoT response (Set up implementation team)
- Promote commercialization of fiber lasers