



COMPANY PROFILE

202401051832 (1597675-P)
a member of OCK Group Berhad,
Data Center Solution Provider

2026

www.ockdw.com



TABLE OF **CONTENT**

- About Company
- Vision & Mission
- A Firm foothold OCK
- Our Service
- Board of Directors
- OCKDW Teams
- We are dark fibre provider
- Expertise
- Our Clients
- Project Reference
- Market Outlook



ABOUT COMPANY

OCK DataWave Sdn Bhd (OCKDW) is a subsidiary of OCK Group Berhad, listed on the Main Board of Bursa Malaysia Securities Berhad (KLSE) with a market capitalization of RM 722 million in 2023.

OCKDW specializes in comprehensive solutions for the data center industry, offering services in Dark Fiber infrastructure.

Incorporated on 6th December 2024 with a paid-up capital of RM 750,000, OCK Datawave operates from Hicom Glenmarie Industrial Park in Shah Alam, Selangor, serving clients across Malaysia and beyond. Backed by OCK Group Berhad, OCKDW provides high-quality, reliable, and efficient infrastructure solutions critical to modern data centers.

Aligned with the vision of OCK Group, OCKDW is committed to driving digital transformation by delivering innovative, sustainable technology solutions for businesses in an increasingly interconnected world.

OUR VISION & MISSION

Vision

To be a leading provider of innovative and sustainable dark fiber infrastructure in a digitally connected world.

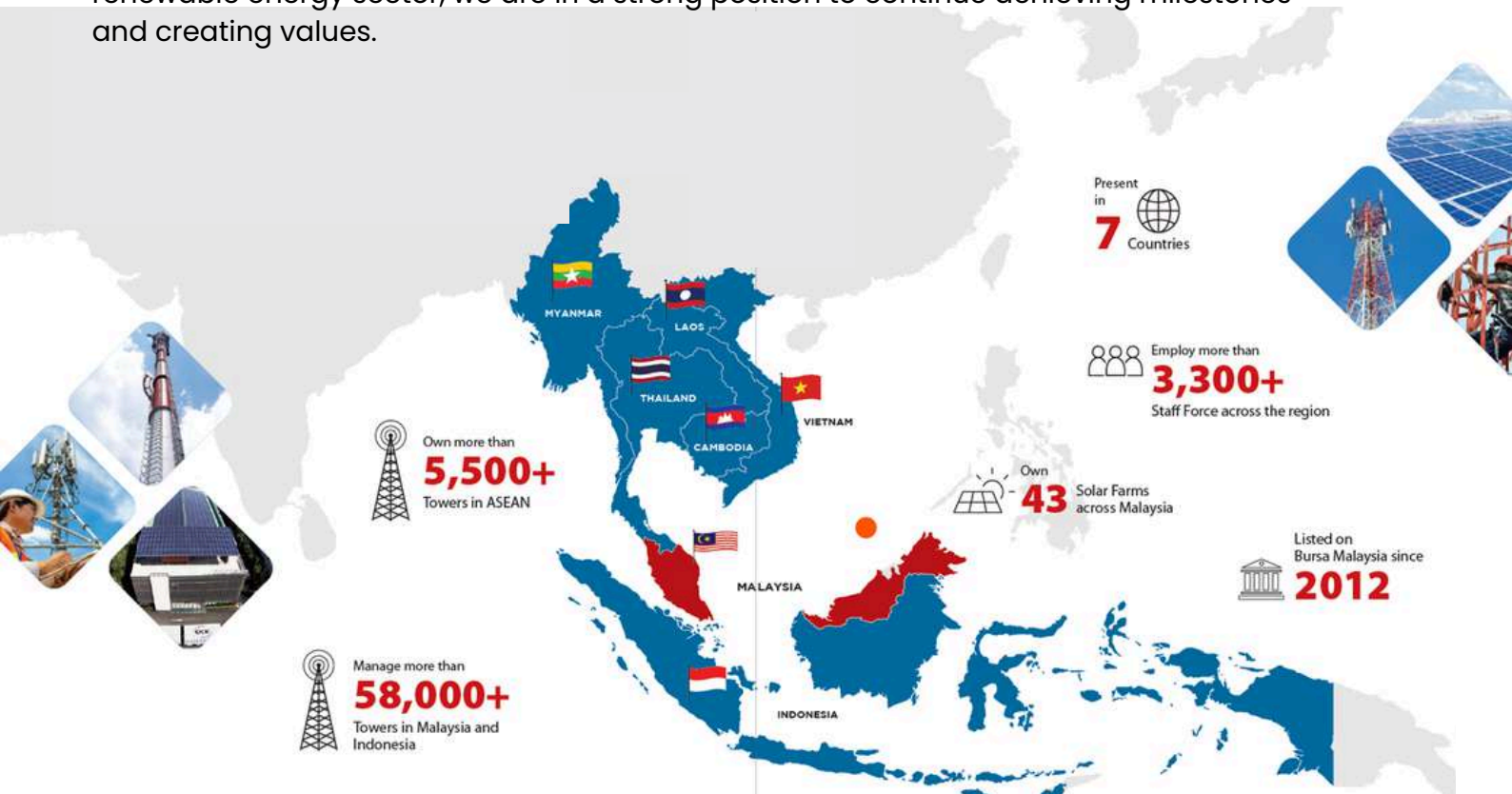
Mission

To deliver high-performance, reliable, and efficient dark fiber for data center solutions that enable digital transformation and long-term business growth.

A FIRM FOOTHOLD

REGIONAL FOOTPRINTS

With a growth trajectory built on 25 years of experience and expertise as Malaysia and ASEAN's preferred telecommunications partner, and a serious player in the renewable energy sector, we are in a strong position to continue achieving milestones and creating values.



OCK Group is a leading telecommunications infrastructure provider with over 25 years of operational experience in the region. The Group has established a strong presence across 7 countries in ASEAN, supporting the growth and expansion of digital and mobile connectivity infrastructure.

As at today, OCK Group:

- Owns more than 5,500 telecommunications towers across ASEAN
- Manages over 58,000 towers across Malaysia and Indonesia
- Employs more than 3,300 professionals across the region
- Operates 43 solar farms across Malaysia, supporting sustainable energy initiatives
- Has been listed on Bursa Malaysia since 2012

OUR SERVICE

OCK Datawave Sdn Bhd (OCKDW) specializes in providing integrated solutions for the data center industry, ensuring reliable and efficient operations across various infrastructure needs. Our services include:



DARK FIBER INFRASTRUCTURE

We design, build, and maintain high-capacity dark fiber networks engineered for reliability, scalability, and hyperscaler-grade performance.



FIBER OPTIC FULL TURNKEY CONTRACTOR

End-to-end fiber optic solutions covering design, permitting, construction, testing, and project management—delivered on time and to industry standards.



SUPPLY OF HIGH CORE COUNT FIBER CABLES

End-to-end fiber optic solutions covering design, permitting, construction, testing, and project management—delivered on time and to industry standards.



BOARD OFF DIRECTORS



CHAIRMAN

Datuk Wira Sam Ooi Chin Khoon

Datuk Wira Sam Ooi graduated from Tri-State University, now known as Trine University, Indiana, United States of America, with a Bachelor's Degree in Electrical and Electronics Engineering in 1996. Prior to that, he obtained a Diploma in Electrical and Electronic Engineering from TAFE College in Negeri Sembilan in 1992.



EXECUTIVE DIRECTOR

Datuk Low Hock Keong

Datuk Low Hock Keong graduated from Monash University, Melbourne, Australia with First Class Honours in his Bachelor's Degree of Electrical and Computing. In 1997, he completed his Master of Engineering Science from University of Malaya.



EXECUTIVE DIRECTOR

Ooi Inn Huei

Mr. Ooi Inn Huei has diverse experience in managing various telecommunication engineering projects and is responsible for leading the overall implementation of outside fiber engineering, which encompasses sourcing, permitting, costing, and construction of the project. Mr. Ooi graduated from Melbourne University, Australia with a Bachelor of Commerce in Property Management.



CO-FOUNDER

Jonathan Ng

Jonathan Ng is an experienced telecommunications professional with 16 years of expertise across Myanmar, Indonesia, and Nepal, holding a Bachelor's degree in Electronics Engineering (Hons) from Multimedia University.



CO-FOUNDER

Tom Tan

Tom started his career in the telecommunication industry in 2008. He has 7 years of experience in wireless telecommunication technology and 9 years in Outside Plant (OSP) telecommunications, which includes fiber infrastructure.

MEET OUR TEAM



Finance Controller

KOK HOE



Account Exec.

NURHAZWANI



Sales Engineer

SITI HAJAR

Project Director

TOM TAM

Project Manager

MOHD FAUZAN

Project Manager

AMIR ASYRAFF

Site Supervisor

KAI LOON

Permitting Officer

NURFARHANA

WE ARE DARK FIBER PROVIDER IN CYBERJAYA



OCK DataWave has been appointed by the State Government of Selangor through its subsidiary SmartselSdnBhd to Build, Own, Lease and Maintain the Dark Fiber Network in Cyberjaya and various parts of Selangor state.

This marks a great milestone for OCK DataWave to be part of the dark fiber network provider as entrusted by the government to provide E2E connectivity to more than 40 Data centers in Cyberjaya, Selangor.

Currently, OCK DataWave is exploring additional route outside of Cyberjaya to connect to Cable Landing Station in Morib and AIMKL, a major connecting

point to all data center and enterprise business to further strengthen OCK position as a dark fiber provider enabling Smart City, Data Center, AI adoption, enterprise digitalization and 5G implementation




EXPERTISE

DARK FIBER

INFRASTRUCTURE

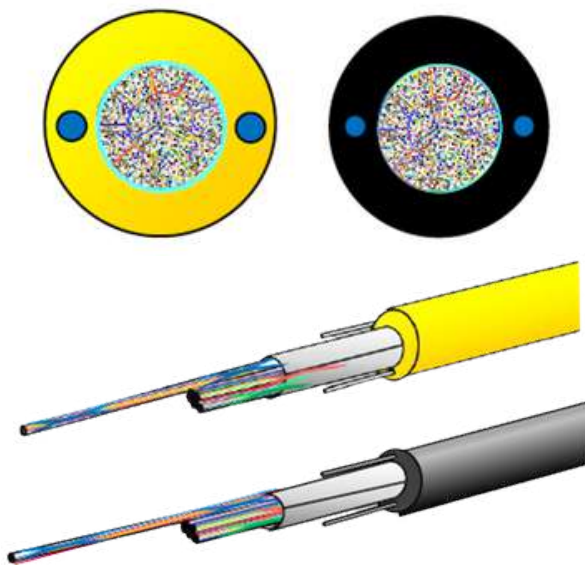
ENGINEERING, PROCUREMENT, CONSTRUCTION & COMMISSIONING (EPCC) FOR FIBER CONSTRUCTION

OCK DataWave specializes in providing comprehensive, end-to-end fiber construction services, designed to meet the needs of clients looking for reliable, scalable, and high-performance fiber-optic infrastructure. Our Full Turnkey Solution covers every aspect of fiber construction, from the initial site survey and design to planning, project management, permitting, and the actual construction of fiber routes. We handle all elements of the process, ensuring that your project is delivered on time, within budget, and to the highest industry standards.

No of Construction Teams available	20
No of HDD Machine	10
No of Splicing Teams	10
No of Splicing Machine (Flextube)	5
No of Splicing Machine (Ribbon) - Sumitomo	5
No of Permitting Teams	5
Total km constructed	1,679 km
Total fiber routes constructed	60 routes
Current Data Center Project	200 km
Fiber Optics Brand	

WRAPPING TUBE CABLE™ (WTC™)

WRAPPING TUBE CABLE™ (WTC™) 144 – 6912F CABLE DISTRIBUTOR



The Wrapping Tube Cable (WTC™) with Spider Web Ribbon (SWR™) is an ultra-high density cable designed for fiber-to-the-home (FTTH), access networks, and data centers. WTC™ with SWR™ offers the smallest cable diameter and lowest weight and high-fiber count ribbon cables in the industry. It is available in fiber counts ranging from 144 to 6,912.

SWR™ is an intermittent bonded fiber ribbon design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. With the ability to land on copper, the SWR™ provides ultra high density fiber packaging in the WTC™.

Indoor, Indoor/Outdoor WTC™ are compliant to the requirements of both the European construction products regulation (CPR) and the North American standard UL. This incorporates the leading-edge Spider Web Ribbon technology in a robust, flame-retardant cable package that can be used within buildings and, because of the core water-blocking feature, can also be routed outside provided the cable is housed within a pathway such as inner ducts and cable trays.

Features

- UV Resistant (for Indoor/Outdoor)
- Full dry gel-free construction
- Mid Span Access
- Fully dielectric
- OFNR-CSI
- CPR Certified
- Splice compatibility with 250µm Ribbon

Application

- Indoor, Indoor/Outdoor installation
- Riser for vertical use in shafts or from floor to floor

Physical & Mechanical Characteristics

Fiber count			144F	192F	288F	432F	576F	864F	1152F	1728F	2880F	3456F	6912F
Cable diameter (in approx.)	mm		12.5	13.0	13.0	14.5	15.5	17.0	18.0	21.5	25.0	25.5	34.5
	(in.)		(0.492)	(0.512)	(0.512)	(0.571)	(0.610)	(0.669)	(0.709)	(0.846)	(0.984)	(1.004)	(1.358)
Cable weight (in approx.)	kg/km		165	175	190	215	240	290	325	475	615	675	955
	(lbs/1000ft)		(111)	(118)	(128)	(145)	(161)	(219)	(717)	(320)	(414)	(454)	(642)
Fibers per bundled unit			-			72F			144F		288F	144F	288F
Number of bundled units			-			6	8	12	8	12	10	24	24
Tensile performance (*1)	Short term(*2)	N	1300				2700						
	Long term	N	399				810						
Bending radius(*1)	Cyclic Flexing	mm	125	130	130	145	155	170	180	215	250	270	345
	Cable bend	mm	125	130	130	145	155	170	180	215	250	270	345
Compressive strength(*1)		N/100mm	2200										
Impact resistance(*1)		N · m	4.4										

*1. Reference standard : ANSI/ICEA S-104-696

*2. Please follow the appropriate procedure that Fujikura recommends for pulling cable

EXPERTISE DARK FIBER INFRASTRUCTURE



Advanced Tools and Monitoring Solutions

OCK DW leverages cutting-edge **rollable ribbon technology** and splicing tools to fulfill the demands of low-attenuation loss of fiber optics. With our state-of-the-art equipment, we offer comprehensive bi-directional tri-wavelength testing on 1310nm, 1550nm and 1625nm, utilizing the latest innovations from Japan.

In addition, we provide in-depth testing for **Chromatic Dispersion (CD)** and **Polarized Mode Dispersion (PMD)**. We provide fiber monitoring systems that are engineered to meet the highest standards, ensuring superior performance and reliability.

All technologies and solutions offered by **OCK DW** are fully compliant with hyper-scaler standards, delivering exceptional quality and efficiency for our clients.

RIBBON SPLICING TOOLS



OPTICAL DISPERSION MEASUREMENT



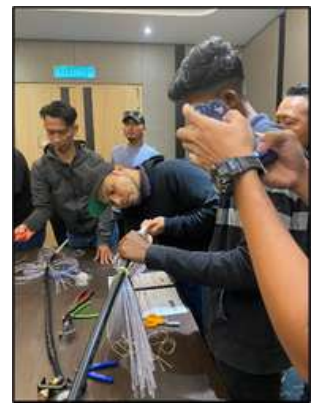
BI-DIRECTIONAL OTDR & OLTS



FIBER MICROSCOPE INSPECTIONS

EXPERTISE DARK FIBER INFRASTRUCTURE

TRAINING AND CERTIFICATIONS



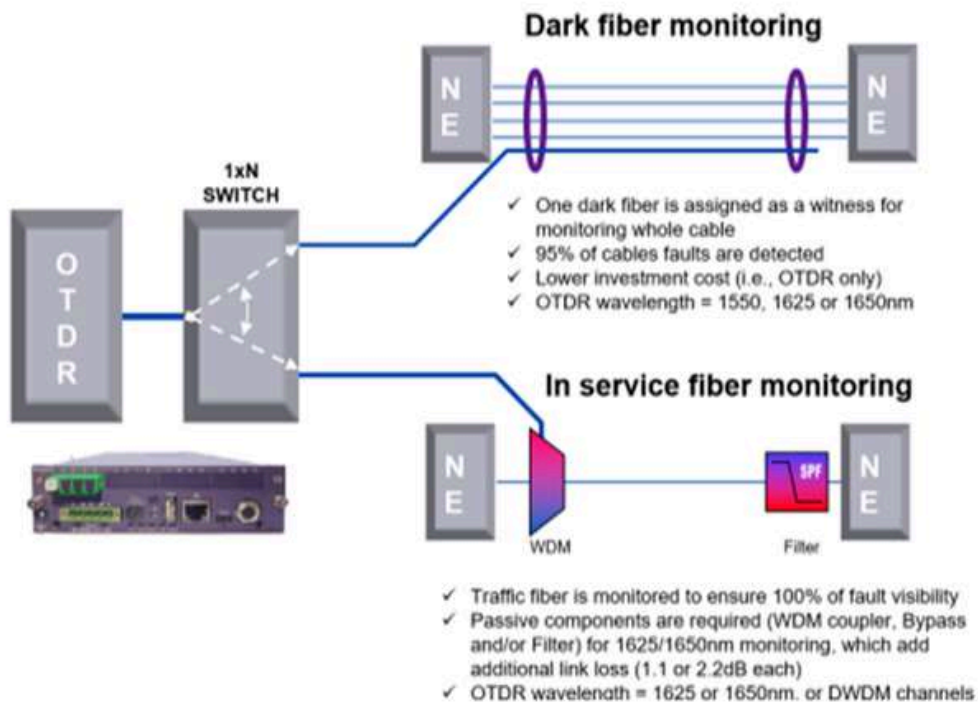
EXPERTISE DARK FIBER INFRASTRUCTURE



ADVANCED TOOLS AND MONITORING SOLUTIONS

Monitoring Application

Dark Fiber and/or In-service Monitoring



Optical Network Monitoring System (ONMSi)

Example of ONMSi Dashboard – Single Unified Information Portal

End-to-End Alarm Management

- ✓ Notify fiber fault alarms
- ✓ Acknowledge alarms
- ✓ Clear/close alarms

Confirm Root Cause

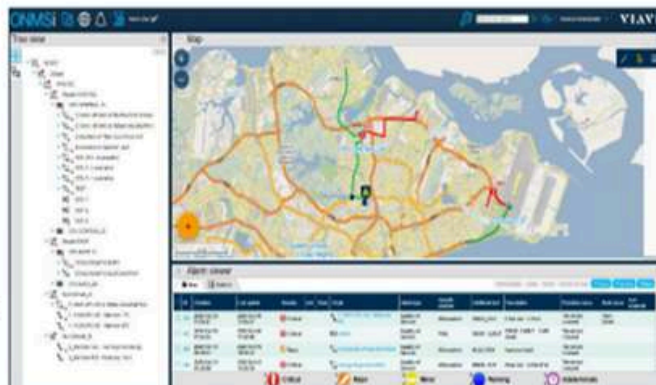
- ✓ Check alarm details
- ✓ Analyze fault details via OTDR traces

Fault Location on Map Dashboard

- ✓ Stay without toggling to another application
- ✓ Associate alarms with cable routes
- ✓ Highlight exact location on the map

Provision/update Baseline Traces

- ✓ Simple, guided and intuitive provisioning features



EXPERTISE DARK FIBER INFRASTRUCTURE

CIVIL WORKS FOR FIBER OPTICS – OPEN CUT, HDD, & MICRO TRENCHING.



EXPERTISE DARK FIBER INFRASTRUCTURE

INDOOR FIBER OPTICS CABLING



OUR CLIENTS



PROJECT REFERENCES

DARK FIBER

Project	Client	Year	Location	Total Distance	Status
Main Fiber Trunk (OSP) Fiber to sites FTTH (Fiber to the Home)	Maxis	2021-2023	Nationwide	1,200km	Completed
Main Fiber Trunk (OSP) Fiber to sites FTTH (Fiber to the Home)	TM	2021-2023	Nationwide	200km	Completed
Main Fiber Trunk (OSP) Fiber to sites	Celcom DiGi	2022-2023	Nationwide	150km	Completed
Dark Fiber for Data Center – AXXXXX	Xenith IG	2024	Cyberjaya, Mranti, Technology Park	150km	Permitting
Own Build Network	OCKDW-SMARTSEL	2025	Cyberjaya	44.4km 6.5km	Completed

MARKET OUTLOOK

SMART CITY IN MALAYSIA

Selangor Smart City



Melaka Smart City



The Ministry of Communication and Multimedia (MCMC) has signed a Memorandum of Understanding to allocate federal budget from the Universal Provider Fund (USP) with both Selangor and Melaka state government with a budget of RM 450mil and RM 310mil respectively.

This fund will be utilized to develop Smart City capability in the state include the development of smart connectivity infrastructure as well as improving public safety and traffic management and flood management initiatives using early warning systems and Internet of Things (IoT) sensors.

The deployment includes the provision of 500km of fibre-optic networks, smart poles, CCTV and public WiFi to improve Internet access across Melaka.

MARKET OUTLOOK

889KM DARK FIBER NETWORK IN SELANGOR



The Selangor government will develop the Dark Fibre Network master plan through Menteri Besar Selangor Incorporated's subsidiary and Smartsel Sdn Bhd to tap new revenue sources.

Menteri Besar Datuk Seri Amirudin Shari said the planned 889km network would enable the state to have its own high-speed fibre-optic infrastructure.

The project, estimated to cost RM267 million, is projected to generate RM196 million in returns over five years. Apart from fiscal gains, the Selangor Dark Fibre Network will broaden digital access and narrow the digital divide between urban and semi-urban areas.

THANK YOU



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www.ockdw.com



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