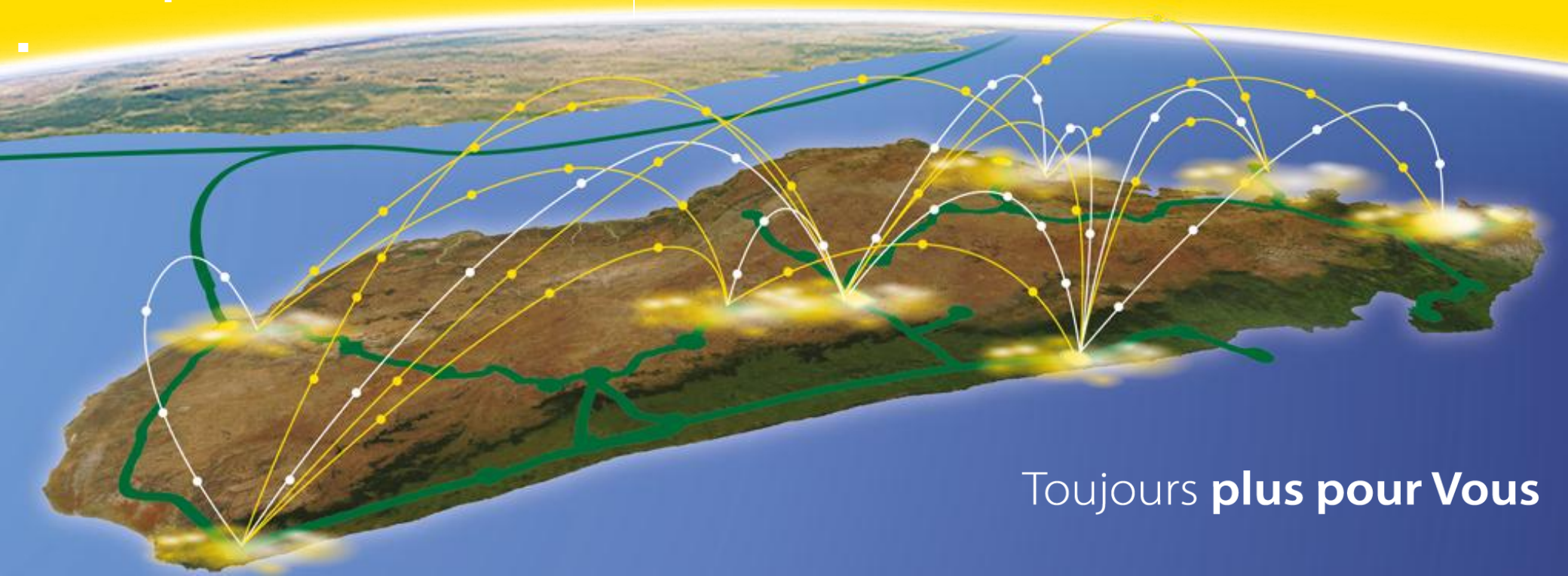


TELMA

Security aspects : Infrastructures and Transactions



Toujours **plus pour Vous**

Systems Interconnectivity, boosting Trade facilitation



Fixe Mobile Internet MVola

HIGH SPEED INTERNET CONNECTION

Basic infrastructure of single windows

ALL PUBLIC AND PRIVATE INSTITUTIONS MUST USE INTERNET BROADBAND TECHNOLOGY



ZOOM IN CUSTOMS : interconnected institutions have Internet broadband links provided by Telma

- ➔ Customs sites
- ➔ Port & airport authorities
- ➔ Shipping lines
- ➔ Container terminal
- ➔ Handling companies
- ➔ Freight forwarders
- ➔ Commercial Banks
- ➔ Ministries and controlling agencies



BY USING OPTIC FIBER !

1. THE BEST SOLUTION OF THE CENTURY

International technology transport data (transoceanic routes), national (backbone) and local (last mile).

2. THE NETWORK OF THE FUTURE WITH ENDLESS POSSIBILITIES

A network that enables the exchange of data up to 100Mbps opening a new application era



Economies need to invest in the Optic Fiber!

The case of Madagascar :
 The Eassy Project, the National Backbone and the Metropolitan Area Network



**Last mile
FTTX**



100 Mbps

- **Optic fiber installed as one loop**
 - **Exclusively at Telma**
 - **Guarantee Performance**
 - **Guarantee security**
 - **Guarantee benefits**
 - **Back-up solutions**
- ➔ **Permanent connection**
 - ➔ **Fiber up to 100 Mbps!**
 - ➔ **100 Mbps reception and transmission.**
 - ➔ **Work serenely. Corrosion, noise or electromagnetic waves will have no more impact on your Optical Fiber.**
 - ➔ **Access supervision, dedicated technical support team, value-added services.**
 - ➔ **For example : single window operator using optic fiber with a WiMAX Internet link as a Back-Up.**

Transfer of large files



Sharing connection with several terminals



Benefits of OPTICAL FIBER

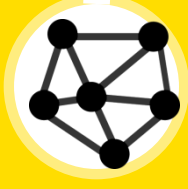
Organize e-conferencing and e-learning meetings



Opening to international businesses online



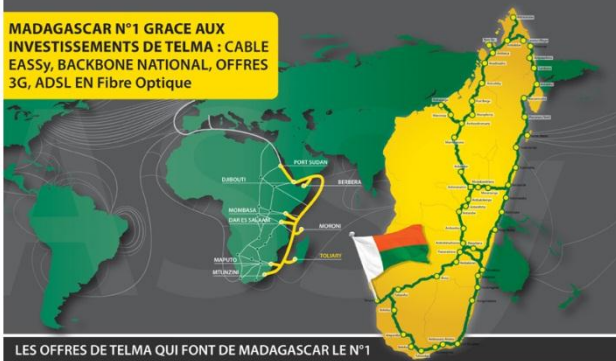
And especially interconnection of various sites between themselves



MADAGASCAR DEVIENT LE "NUMBER ONE DE L'INTERNET EN AFRIQUE" selon Net Index

"NET INDEX" CLASSE MADAGASCAR NUMERO 1 EN AFRIQUE ET NUMERO 69 MONDIAL EN TERME DE VITESSE (vitesse moyenne de 8,69 Mbps mesurée sur 11 412 clients)

MADAGASCAR N°1 GRACE AUX INVESTISSEMENTS DE TELMA : CABLE EASSy, BACKBONE NATIONAL, OFFRES 3G, ADSL EN Fibre Optique



LES OFFRES DE TELMA QUI FONT DE MADAGASCAR LE N°1



Le Groupe Telma est classé numéro 1 sur l'ensemble de ses services Internet.

Rendez-vous en telma Shop pour profiter des offres Internet.

Fixe - Mobile - Internet - M2M
Service Client 800 - www.telma.mg

Toujours plus pour Vous

Did you know ?

Since Madagascar is covered by Telma Optic Fiber, the Internet connection of the island has become one of the fastest in Africa.

Once the public and private institutions have an Internet connection, the next step is to secure the interconnection **by Optic Fiber.**



Public administrations trusting optic fiber

- **Customs Private Network (Single Window):**
 - Interconnected sites throughout the country
 - **Tele-declaration** : Forms and online payment

“SIGFP” was established thanks to Optic Fiber!

- 73 agencies scattered throughout Madagascar interconnected
- Private Network : Integrated System of Public Financial Management
- A flow rate of 512Kbps 128kbps: Transmission of data in 12 milliseconds

AND YOU ?

By choosing the right provider and the right technology!



Google

the first global search engine
have chosen Telma Madagascar
for hosting its data servers!

AND YOU?



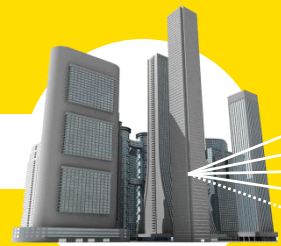
Mobile Banking : the FIRST payment solution



ONLINE PAYMENT SOLUTION within the single windows.

Launched in 2010, millions of people and companies trust mobile banking

MVola ENTREPRISE



- payment of wages
- payment of suppliers
- payment of bills
- payment of tickets
-

Today, mobile banking secures financial transactions in various sectors : AGRIBUSINESS, TOURISM, INSURANCE, MICRO-FINANCE, MINING AND MORE...

SIMPLE

Remote payment
24h/24, 7/7
No need to have
a bank account.

IMMEDIATE

To order =
MVola number only



SECURED

Request for Payment is
received immediately on
Telma mobile
Validation of the
payment through an
access code

- ✓ Faced to the growing insecurity related to the use of cash, **mobile banking secures transactions.**
- ✓ **The online payment via mobile banking also ensures transparency** through Web portal, which is a software that automatically traces in real time all monetary transactions under the single windows.

WESTERN UNION

*moving money for better**
**L'argent en mouvement pour le meilleur*



The unique choice of Western Union for international money transfer directly on mobile at Madagascar

AND YOU?



Systems Interconnectivity, boosting Trade facilitation



Toujours **plus pour Vous**



Fixe Mobile Internet MVola