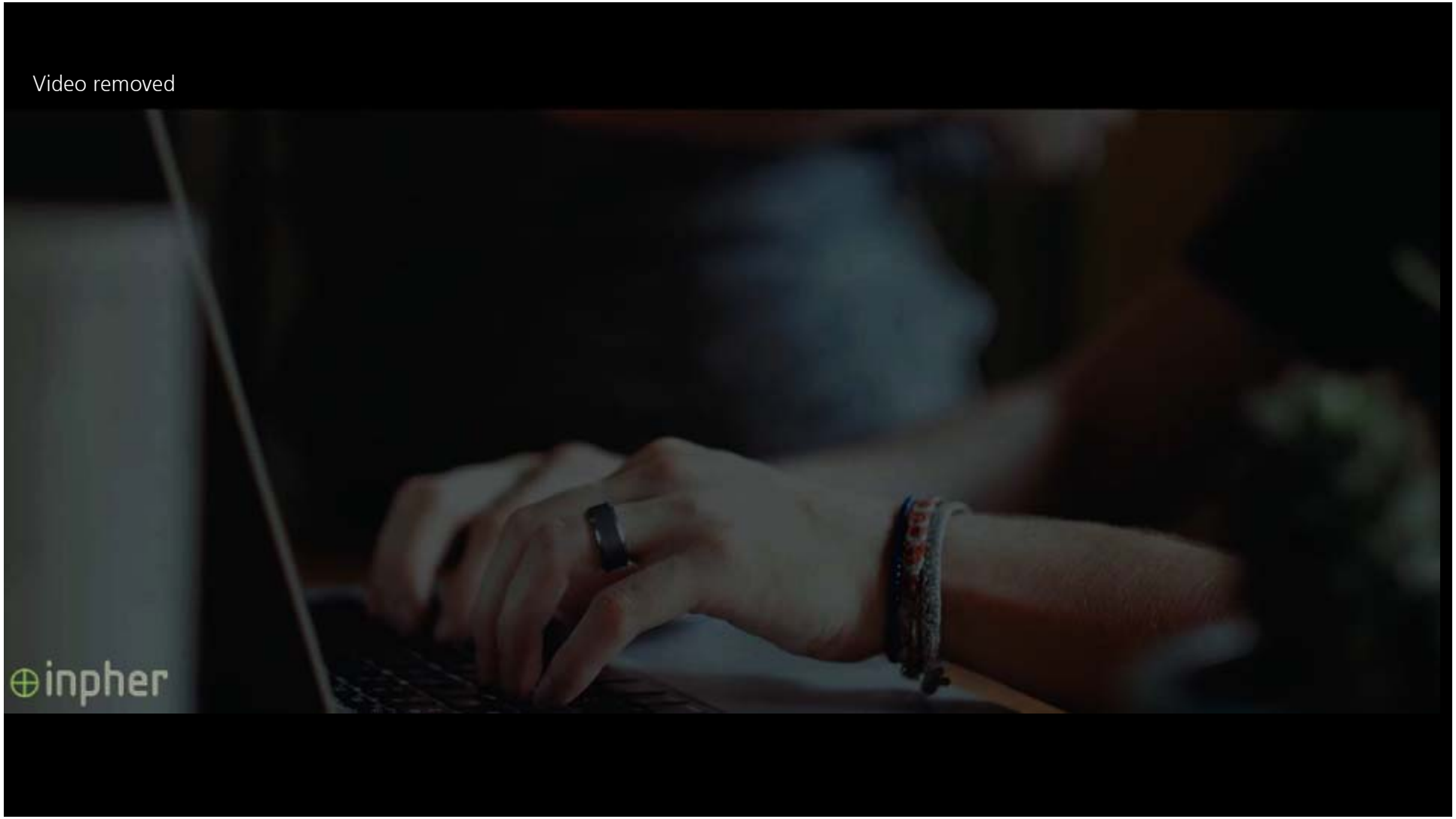
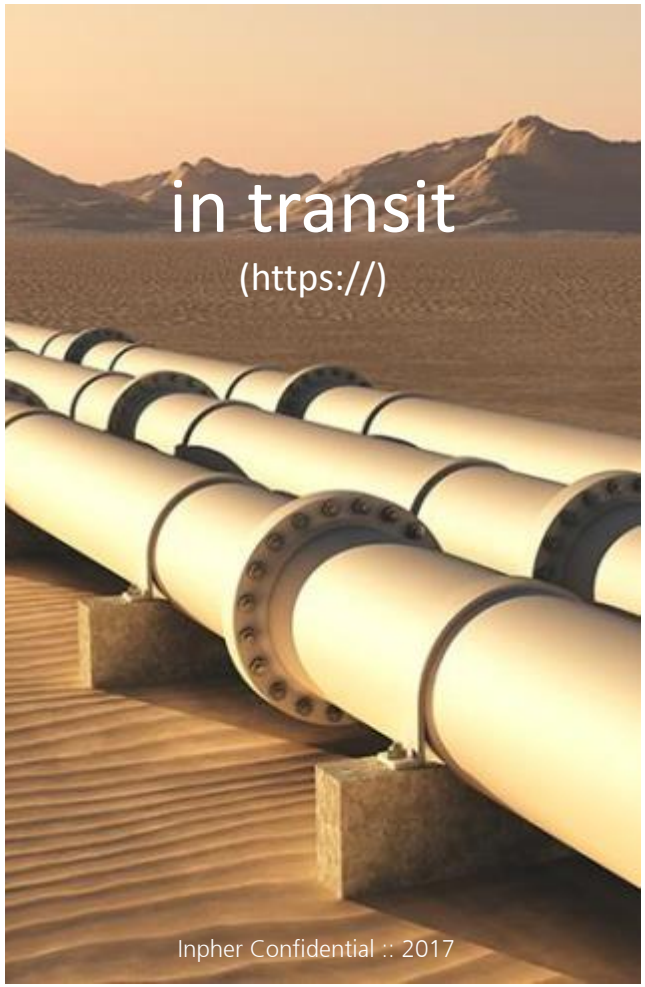
Inpher

Video removed

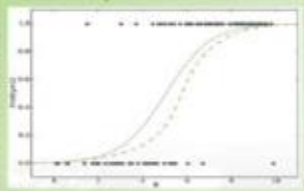


Data security begins with encryption, which has three phases:



Secret Computing™ beyond data security.

+ Governments
+ Organizations
+ Jurisdictions
+ Departments
+ Datacenters



***Monetize** analytics (without exposing data)*

*Ensure Regulatory **Compliance** (GDPR, DPO)*

*Privacy-preserving **AML** Investigation*

*Enhance **KYC** across departments*

*Improve **Fraud** models*

Privacy Preserving Technology Comparison

	Anonymization	Differential Privacy	Secret Computing™
	Trivially re-identified	Introduces noise into data	Unique pat. pend. technology for encryption in use.
	Masks valuable feature data	Tradeoff between privacy and precision.	**Performance:** Up to **20,000x** faster than prior SOTA
		Unable to identify anomalies	**Precision:** same results as plaintext compute
			Security: Approved by **UBS** Security team in Zurich
Identifies outliers *PRECISION*	±	−	+
Arithmetic accuracy *CORRECTNESS*	+	−	+
Retains all data fields *FEATURES*	−	+	+
Prevents re-identification *PRIVACY*	−	+	+
Cryptographically Proven *SECURITY*	−	−	+

XOR
Secret Computing™ at ING
+ Improve credit risk, customer prediction and fraud models
+ Privacy-compliant machine learning
+ Enable secure analytics in the cloud
+ Expand data sources for building robust models
ING

XOR Secret Computing™ Engine

Privacy-compliant customer analytics

XOR

Logistic Regression for Customer Prediction

24,000 data points

# of Customers who will buy the lending product

+ Original Model = 30
+ Secret Computed Model= 50

66% increase in Sales pipeline because all features were preserved with XOR.

THE WALL STREET JOURNAL.

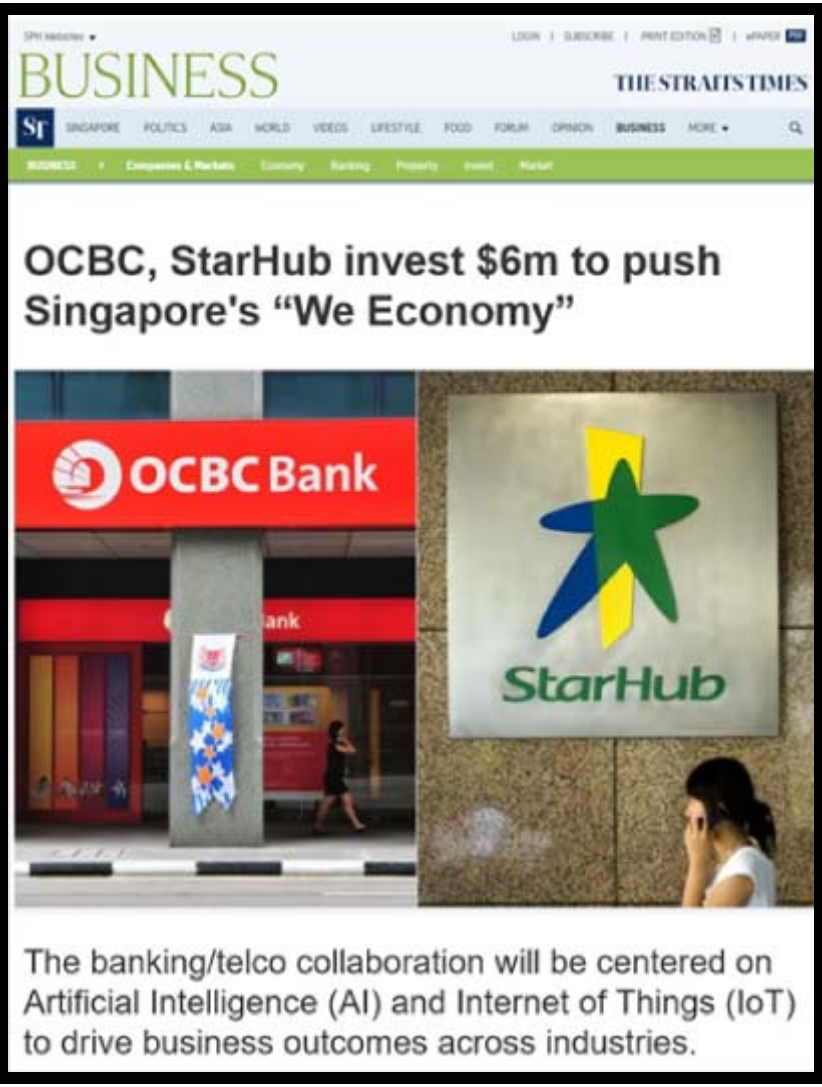
CIO JOURNAL

ING Belgium Sees Opportunities for 'Secret' Sharing of Encrypted Data

Zero-knowledge computing would let companies analyze encrypted information without revealing any secret information

The bank is in the early stages of experimenting with the technology, developed by New York-based Inpher Inc., but executives say they already see its potential.

Video removed



+ **Experienced Entrepreneurs** with prior successful products and exits.
+ **6 PhDs with over 100 papers** published in math, ML and cryptography.
+ **Leading investors** from Silicon Valley, New York and Switzerland
+ **Global Top 300 list** of customer and partner announcements.

CISCO · SOCIETE GENERALE · THALES · ING · TEMENOS · OCBC Bank

coming soon…

dathena · UBS · Secure Cloudlink