

Mega-Infrastructure Projects

Open Data and Open Government for transparency and accountability

10th Regional Conference Preventing and Combating Corruption in Infrastructure Projects in Asia-Pacific, Dec 2019, Hanoi

Khairil Yusof <khairil.yusof@sinarproject.org>



This work is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/).

International Infrastructure Megaprojects

OECD countries cost overruns often 100% or more

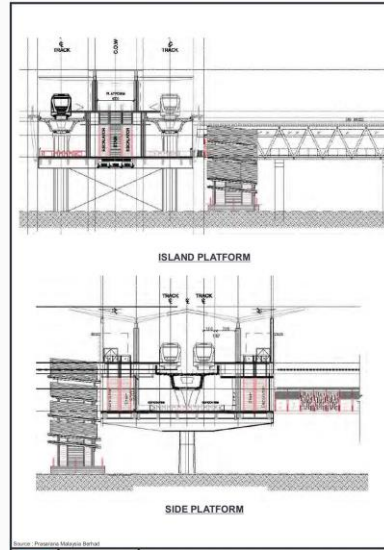
Table B4.1.1: Cost overruns in selected infrastructure megaprojects

Project	Cost overrun (%)
Suez Canal, Arab Republic of Egypt	1,900
Troy and Greenfield Railroad, United States	900
Furka Base Tunnel, Switzerland	300
Verrazano Narrow Bridge, United States	280
Boston's Big Dig Artery/Tunnel Project, United States	220
Denver International Airport, United States	200
Panama Canal, Panama	200
Minneapolis Hiawatha Light Rail Line, United States	190
Humber Bridge, United Kingdom	180
Dublin Port Tunnel, Ireland	160
Montreal Metro Laval Extension, Canada	160
Copenhagen Metro, Denmark	150
Boston–New York–Washington Railway, United States	130
Great Belt Rail Tunnel, Denmark	120
London Limehouse Road Tunnel, United Kingdom	110
Brooklyn Bridge, United States	100
Shinkansen Joetsu High-Speed Rail Line, Japan	100
Channel Tunnel, United Kingdom–France	80
Karlsruhe–Bretten Light Rail, Germany	80
London Jubilee Line Extension, United Kingdom	80
Bangkok Metro, Thailand	70
Mexico City Metroline, Mexico	60
High-Speed Rail Line South, Netherlands	60
Great Belt East Bridge, Denmark	50

Source: Flyvbjerg 2017.



KLIA2 Airport 400%
 USD250 million
 to USD1 Billion



LRT3 Rail 340%
 USD 2.25 Billion
 to USD 7.76 Billion

EAST COAST RAIL LINK PROJECT

ENVIRONMENTAL IMPACT ASSESSEMENT REPORT



VOLUME 1 :
EXECUTIVE SUMMARY & RINGKASAN EKSEKUTIF

ECRL ???
 USD 13.6 Billion
 (single track, non-
 HSR)



MRT ???
 3 lines (USD 8.6 Billion)
 1 line (USD5 Billion
 construction only)

?



?

?



Incomplete Random Pieces of Information



Lots of data, but confusing



Open Data Standards, we know what's missing



Structured data, makes the picture clearer

CoST IDS

What sort of basic information and that must be published proactively by government for a large public infrastructure project.

<http://infrastructuretransparency.org/resource/977/>

<http://infrastructuretransparency.org/resource/977/>

CoST Infrastructure Data Standard

Table 1: Project and Contract Data for proactive disclosure

Project phase	Project data	Contract phase	Contract data
Last updated		Procurement	Procuring entity Procuring entity contact details Procurement process Contract type Contract status (current) Number of firms tendering Cost estimate Contract administration entity
Project Identification	Project reference number Project owner Sector, subsector Project name Project Location Purpose Project description		Contract title Contract firm(s) Contract price Contract scope of work Contract start date Contract duration
Project Preparation	Project Scope (main output) Environmental impact Land and settlement impact Contact details Funding sources Project Budget Project budget approval date		
Project Completion	Project status (current) Completion cost (projected) Completion date (projected) Scope at completion (projected) Reasons for project changes Reference to audit and evaluation reports		Implementation

Cost IDS

These are key documents that should be made available upon request

- Environmental and Social Impact Assessment
- Feasibility Study
- Financial Agreement
- Procurement Plan
- Project Approval Decision

Table 2: Project and Contract Information for disclosure upon request

Project information	Contract information
Identification and Preparation Multi-year programme & Budget Project brief or Feasibility study Environmental and social impact assessment Resettlement and compensation plan Project officials and roles Financial agreement Procurement plan Project approval decision	Procurement Contract officials and roles Procurement method Tender documents Tender evaluation results Project design report
Completion Implementation progress reports Budget amendment decision Project completion report Project evaluation report Technical audit reports Financial audit reports	Contract Contract agreement and conditions Registration and ownership of firms Specifications and drawings
	Implementation List of variations, changes, amendments List of escalation approvals Quality assurance reports Disbursement records or payment certificates Contract amendments

Where It Happens

Source: Tipsheet Investigating
Contracts, OCP

https://docs.google.com/document/d/1C9uW_yW9kp3t_ZpMSAqkbMV_odBYj8Ur-7x4Yg7XnUI/edit

PLANNING	TENDER	AWARD	CONTRACT	IMPLEMENTATION
Key planning documents not provided	Non-public bid opening or single bidder only	High number of contract awards to one bidder	Large difference between contract award and final contract amount	Modifying the contract after it's been awarded, on line item requirements
Eligibility criteria for deciding which companies can bid for a contract set too narrowly	Use of direct awards/ exceptions/ emergency procedures	Company has no history in providing service or product	Conflicts of interest	Turning a blind eye on shoddy implementation
	Vague description of supply terms	Cover pricing: Colluding to drive up prices artificially	Supplier receives multiple single source contracts	Change orders to increase prize substantially (or multiple by a smaller amount)
	Issue of tender at an inconvenient time	Winning bid is at a substantially lower bid price than competitors or too close to estimate	Final prize is higher than industry average	Payment without delivery of service
	Short notice to bidders	Similarity in supplier addresses		
		Bidder that has never bid previously wins tender		

Leverage Open Government Efforts

- Open Parliament
- Open Data
- Open Budgets/Expenditure
- Open Ownership - Company Registrars

All other government reports

- Auditor General Reports
- Securities Commission
- Construction Industry Board
- EIA Reports



Courts



Environment



Trade



Budgets



Property



GIS



Expenditure



Demographics



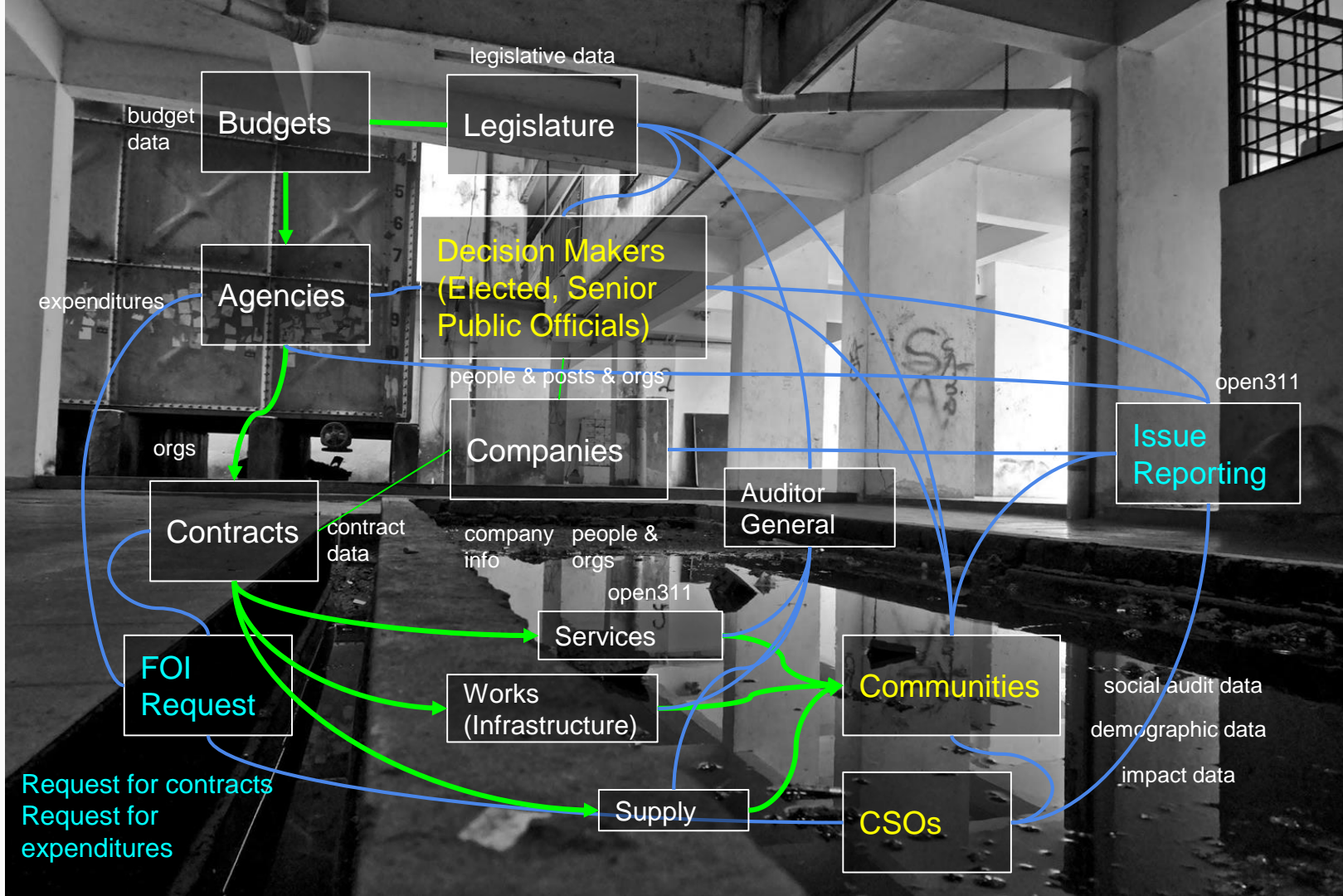
Transport



Contracts



Property

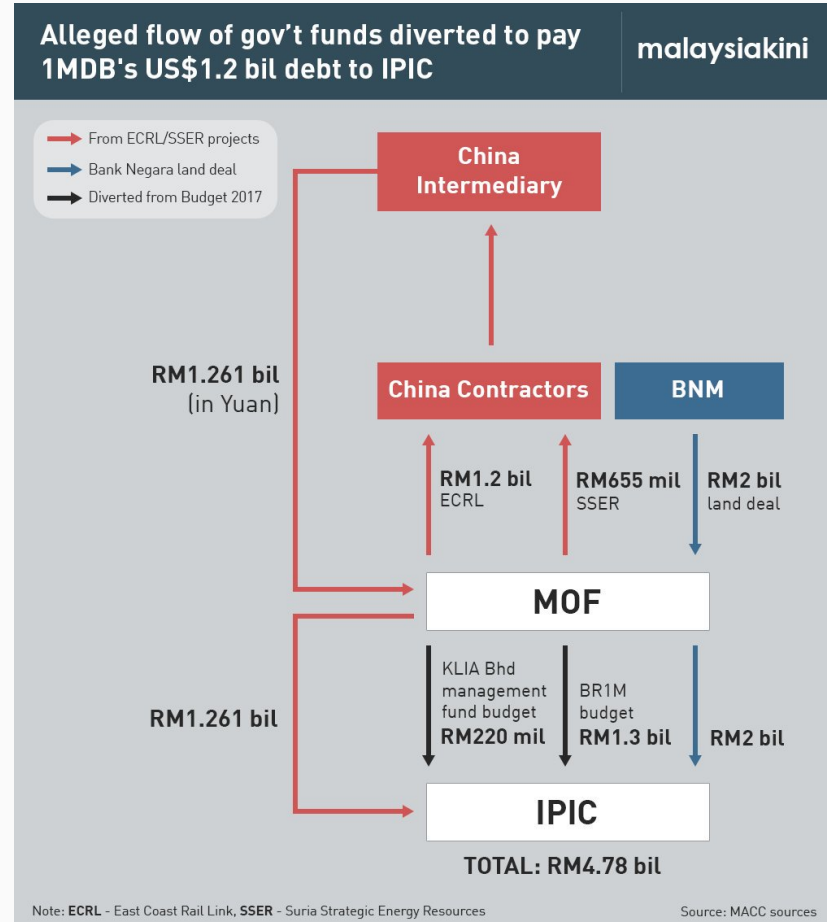


ECRL BRI

USD1 Billion money laundered

USD 4.52 Billion debt facility drawn up despite 11% completion.

- No Feasibility Documents
- No Financing Documents
- No EIA Report
- No Project Approval Decision
- Direct Negotiation
- Opaque state owned private companies




Parliamentary Reports

- Committee Reports
- Written Answers
- Documents submitted to Parliament

Look for cost IDS data

- Project name
- Budget
- Company names
- Finance
- Names of Ministers/Politicians
- Ministry/Agency
- Environment



Parliamentary Documents


[Home](#) [Search](#) [Collections](#) [Documents](#) [About](#)


You are here: [Home](#)


ecrl


Search results for **ecrl** [Subscribe to an always-updated RSS feed.](#)


76 items matching your search terms. [Filter the results.](#)


 [soalan-100.pdf](#)
[Located in Documents / ... / Oral Questions \(Soalan Lisan\) / 2017-08-01 Parliam](#)


 [soalan-14.pdf](#)
[Located in Documents / ... / Oral Questions \(Soalan Lisan\) / 2017-11-23 Parliam](#)


 [soalan-459.pdf](#)
[Located in Documents / 2017 July-August Parliamentary Session / Written Re](#)


 [soalan-12.pdf](#)
[Located in Documents / ... / Oral Questions \(Soalan Lisan\) / 2017-11-09 Parli](#)


 [soalan-486.pdf](#)
[Located in Documents / 2018 March-April Parliamentary Session / Written Qu](#)

 [soalan-61.pdf](#)
[Located in Documents / ... / Oral Questions \(Soalan Lisan\) / 2018-03-08 Parli](#)

 [soalan-461.pdf](#)
[Located in Documents / 2018 March-April Parliamentary Session / Written Qu](#)

 [soalan-495.pdf](#)
[Located in Documents / 2017 March-April Parliamentary Session / Written Re](#)

 [soalan-26.pdf](#)
[Located in Documents / ... / Oral Questions \(Soalan Lisan\) / 2018-03-27 Parli](#)

 [soalan-39.pdf](#)
[Located in Documents / ... / Oral Questions \(Soalan Lisan\) / 2017-03-15 Parli](#)

70% Foreign Contractors 30% Local

Bagi makluman Yang Berhormat, terma-terma yang telah dipersetujui dalam Kontrak Kejuruteraan, Pemerolehan, Pembinaan dan Pentauliahan (EPCC) melibatkan beberapa aspek yang memberi kelebihan kepada Malaysia seperti berikut:

1. Penglibatan kontraktor tempatan sebanyak 30% bagi kerja-kerja sivil bakal memberi sumbangan yang besar kepada industri pembinaan tempatan;
2. Penggunaan bahan tempatan akan sentiasa diberi perhatian dalam pelaksanaan projek ECRL;
3. Pembekalan peralatan, perkakasan dan jentera yang lengkap oleh CCCC bagi memastikan kelancaran projek; dan
4. Melindungi kepentingan pemilik projek.

EIA Reports

Feasibility study not provided for Malaysian East Coast Railway Project, but EIA has additional information.

- Freight Traffic/Cargo provides projected figures on economic value
- Cross reference to other existing public projects and reports

How much iron ore does Malaysia really mine?

tip: keep looking for other CoST IDS data points

DOCUMENT PAGES TEXT Zoom Search

EXECUTIVE SUMMARY

Freight Operations

63. Freight trains, which will have up to 45 wagons, will operate 22.5 hours per day, 7 days per week. In 2024, the heaviest traffic demand is forecast to be on the Maran-Kuantan Port City section (Table ES-8). There will be 25 trains each day.

Table ES-8 : Freight Operation Pairs during Study Years (Trains Per day)

Section	2024	2030	2035	2040
Gombak North - Mentakab	0	0	0	3.5
Mentakab - Maran	9.5	10.0	11.0	12.0
Maran - Kuantan Port City	12.5	17.5	19.5	23.0
Kuantan Port City - Chukai	2.0	2.5	5.0	6.0
Chukai - Kemasuk	6.5	6.5	6.5	7.0
Kemasik - Dungun	6.0	6.5	6.5	6.5
Dungun - Wakaf Baru	1.0	1.0	1.5	1.5

Note: A 'train pair' is one service on the stated route in the stated direction and one return service.

64. The type of goods to be carried by the freight trains include containers, coal, cement, steel, rubber, polyethylene and palm biomass (Table ES-9), which may be transported in various forms such as containers, packages, dry bulk and liquid bulk.

Table ES-9 : Summary of Annual Freight Traffic

Commodity	Freight Traffic	
	2030 (Million Tonnes)	2040 (Million Tonnes)
Export / Import Containers	18.94	21.46
Iron Ore	8.38	7.97
Coal	2.00	3.50
Cement	0.33	3.33
Steel Industry	0.50	0.50
Rubber (containers)	0.47	0.63
Polyethylene	0.66	0.69
Palm Biomass	6.00	6.00
Total	37.28	44.08

Source : MBRL Railway Scheme

Project Implementation Schedule

65. Construction of the ECRL will commence in July 2017. The construction of the Bentong to the Genting Tunnel segment will start first. Construction is expected to take 7 years. Testing and commissioning will begin in 2023 and the ECRL is expected to be operational in 2024.

ES-16

Page 19 of 138

Download 362980465-ECRL-Volume-1-Executive-Summary.pdf - 34806 KB

project start date

Off-budget financing

Auditor General Financial reports

Government guaranteed debts

- USD12.6 Billion (MRT)
- **USD 4.5 Billion (ECRL)**
- USD 7 Billion (LRT)

JADUAL 2.50
KEDUDUKAN KOMITMEN JAMINAN KERAJAAN
SETAKAT 31 DISEMBER 2018

BIL.	SYARIKAT	KOMITMEN JAMINAN SETAKAT 31.12.2018 (RM Juta)
1.	Asset Global Network Sdn. Bhd.	227.61
2.	Danainfra Nasional Berhad	52,740.00
3.	GoVco Holding Berhad	7,300.00
4.	Jambatan Kedua Sdn. Bhd.	5,751.12
5.	K.L. International Airport Berhad	94.38
6.	SRC International Sdn. Bhd.	3,600.00

Laporan Ketua Audit Negara Tahun 2018

Analisis Kewangan Kerajaan Persekutuan

BIL.	SYARIKAT	KOMITMEN JAMINAN SETAKAT 31.12.2018 (RM Juta)
7.	Suria Strategic Energy Resources Sdn. Bhd.	7,925.26
8.	Malaysia Rail Link Sdn. Bhd.	18,862.35
9.	MKD Kenchana Sdn. Bhd.	3,500.00
10.	Sentuhan Budiman Sdn. Bhd.	800.00
11.	Prasarana Malaysia Berhad	31,414.00
12.	1Malaysia Development Sdn. Bhd.	5,000.00
13.	TRX City Sdn. Bhd.	485.40
JUMLAH		137,700.12

Sumber: Bahagian Pelaburan Strategik, Kementerian Kewangan

Securities Commission Reports

Searching Malaysian company disclosures for ECRL

All companies that are projecting that they will be getting contracts

Search for similar information for international partners

MANAGEMENT DISCUSSION & ANALYSIS



Papilion Street Mall by MJC City Development, Batu Kawan New Township, Kuching

OUTLOOK

We maintain a positive outlook on the construction sector as growth is expected to stay strong on the back of the implementation of sizeable infrastructure jobs such as KVMRT Line 2, LRT 3, and the Pan Borneo Highway. Over the medium term, the rollout of planned projects such as the East Coast Rail Line ("ECRL"), the KL-Singapore High Speed Rail ("HSR") and KVMRT Line 3 is anticipated to keep job opportunities ample.

In other words, as the broader Malaysian economy strengthens and the construction sector remains strong, the outlook for Mudajaya is positive. The

ongoing infrastructure developments related to the Economic Transformation Programme ("ETP") in rail, roads, oil and gas and ports will positively contribute to the sector's growth. Some of the high-potential ETP projects include the Pan Borneo Highway, the Light Rail Transit ("LRT") in Kuala Lumpur, the High-Speed Rail (HSR), East Coast Rail Line ("ECRL"), Refinery and Petrochemical Integrated development ("RAPID") in Pengerang, Johor and the expansions of LEKIR Bulk Terminal, Kuantan, West and North Ports. The strength of this segment to the Group's future bottom line is evident, especially with our plan to participate in selective projects and tighten the cost controls.

Domestically, the property segment reflects the softening of the broader market with reduced revenue and profits. The Group through its subsidiary MJCC which is developing the Batu Kawan Township in Kuching, has a remaining land-bank of 66 acres with projected Gross Development Value of RM1.5 billion. Going forward, the property arm is expected to contribute to the Group's earnings through diversification into facility management including Menara Mudajaya.

The Group is continuing to leverage on its financial strength and established track record in the power sector which is continuing to see a growing revenue stream.

Securities Commission Reports

And the people behind it

08 MUDAJAYA GROUP BERHAD
(800020.14)

**BOARD OF
DIRECTORS**

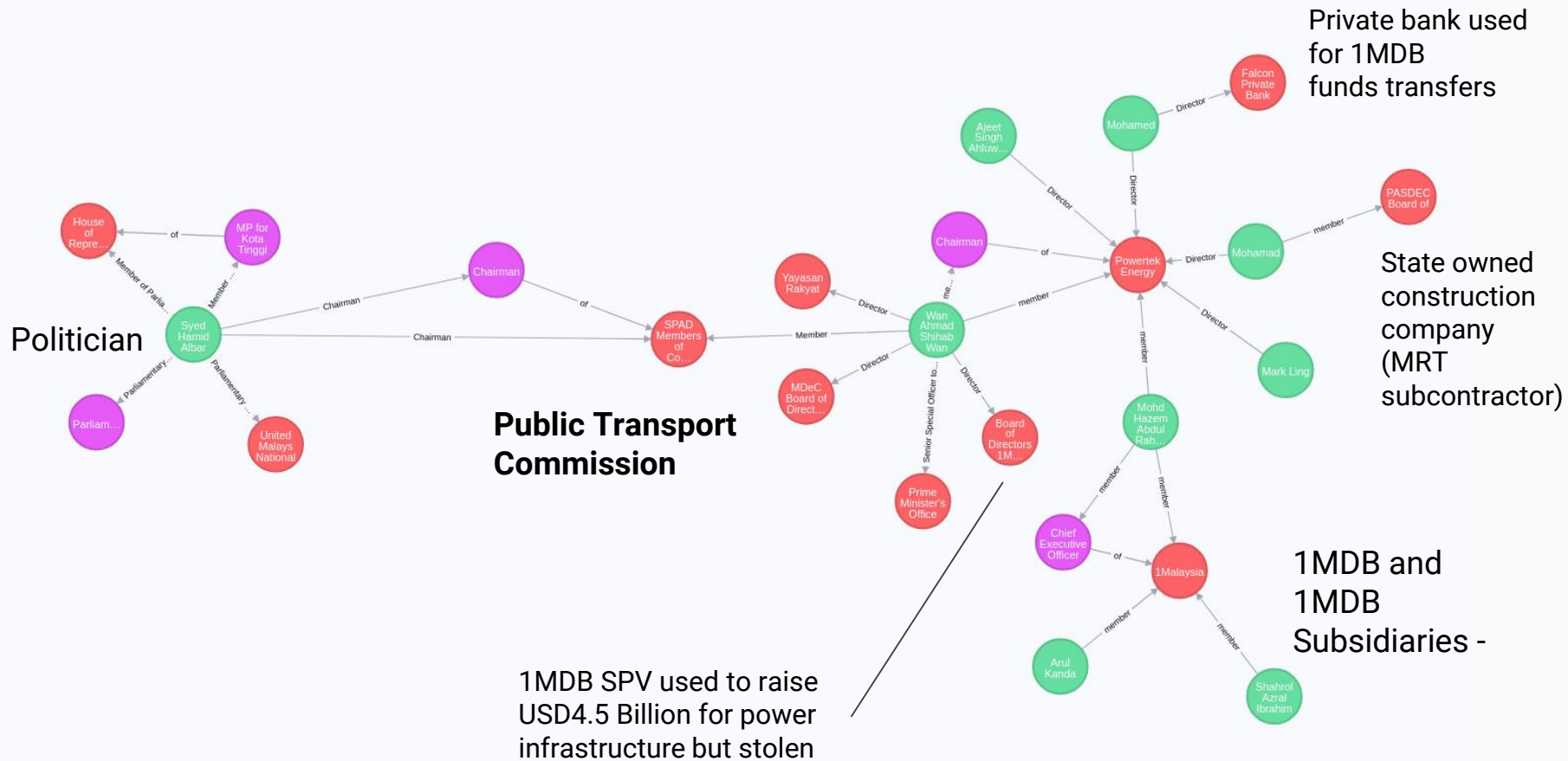


FROM LEFT TO RIGHT

LEE ENG LEONG
Non-Independent
Executive Director

**DATO' AMIN RAFIE
BIN OTHMAN**
Independent
Non-Executive Director

**DATO' YUSLI BIN
MOHAMED YUSOFF**
Independent Non-Executive
Chairman



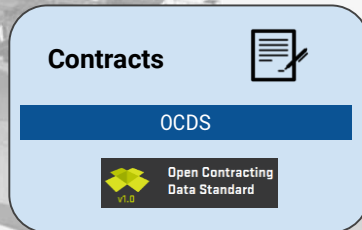
Telus: Online transparency tool using joined up data from open data standards data sources



Government CSOs



Government CSOs



Government CSOs



Person
Org (Company)

Org (Supplier)

Person

ACCOUNTABILITY

Joined up data of **agency to agency + person (public official)** provides details of accountable persons



Org (Agency)

INTERESTS OF PEPs

Joined up data of **beneficial owner of supplier to PEPs** allows us to display and expose interests & assets

Person

Org (Agency)

Person (Post)

Org (Agency)



CONFLICT OF INTEREST

Joined up data of **agency to agency + public official + beneficial owner (or their relatives)** allows us to expose conflicts of interests and possible corruption

3

Person
Org (Company)

Org (Agency)

Org (Supplier)

Construction Industry Development Board - Malaysia

Scraped the data

- Contractors
- Projects
- Value
- Beneficial Owners

Help us find matches for Abd Latif Bin Bandi @ Nor Sebandi

Name @ Company

ABD LATIF BIN BANDI @ NOR SEBANDI

Company: **KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD**

Projects: **8**

Total Amount: **\$ 62,210,051**

Speciality: **B04 - KERJA AM BANGUNAN,CE21 - KERJA-KERJA AM KEJURUTERAAN AWAM**

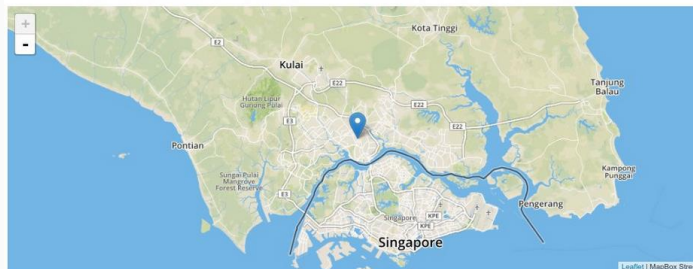
CONFIRM



DON'T KNOW

NOT HIM/HER

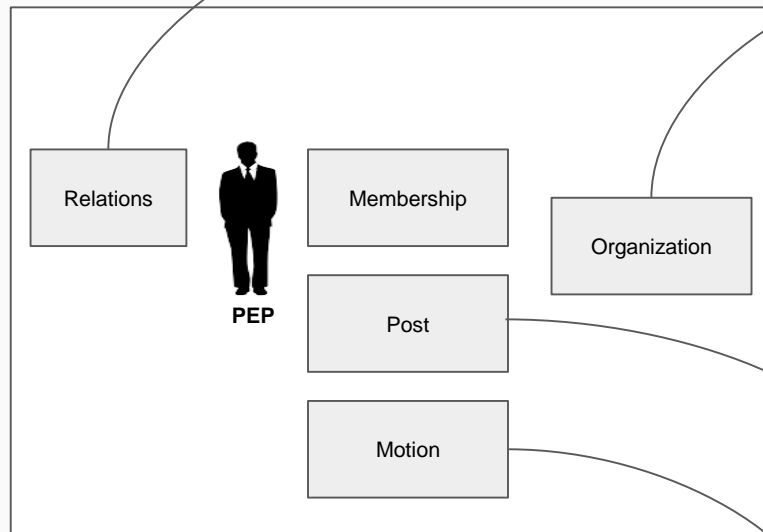
Locations of matched companies




Projects of matched companies

Company name	Project title	Award date	Project value
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Cadangan Merekabentuk, Membina Dan Menyiapkan Sekolah Kebangsaan Taman Austin	1999-10-11	7,100,000
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Cadangan Merekabentuk, Membina Dan Menyiapkan Sekolah Kebangsaan Indahpura 2	1999-10-11	7,770,000
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Cadangan Merekabentuk, Membina Dan Menyiapkan Sekolah Kebangsaan Taman Desa	1999-10-11	6,930,000
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Cadangan Merekabentuk, Membina Dan Menyiapkan Sekolah Menengah Kebangsaan U.S.J. 23	1999-10-11	12,390,000
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Membina Dan Menyiapkan Projek Jalan Kampung Secara Konsep Bersepadu	2001-09-29	1,000,000
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Membina & Menyiapkan 3 Blok 24 U Rumah Guru Kelas F 5 Tkt 1 & 1 Blok 4 Tkt Bgn Sekolah Tambahan & Kerja-Kerja Berkaitan Di Sek. Keb. Gembut	2002-03-21	5,700,775
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Cadangan Membalikpuli Jalan Parit Panjang Ke Bukit Batu	2002-05-28	4,619,276
KONSORTIUM KONTRAKTOR MELAYU JOHOR BERHAD	Cadangan Menaklitaraf Jalan Tumang Fasa 1, Daerah Segamat	2011-05-10	16,700,000

Identifiers




Contracts


Companies

PEP (eg. step-son)


Shell Companies


Luxury Vehicles


Properties


Civil/Criminal Cases



ICIJ

Offshore accounts

- Names
- Addresses

