

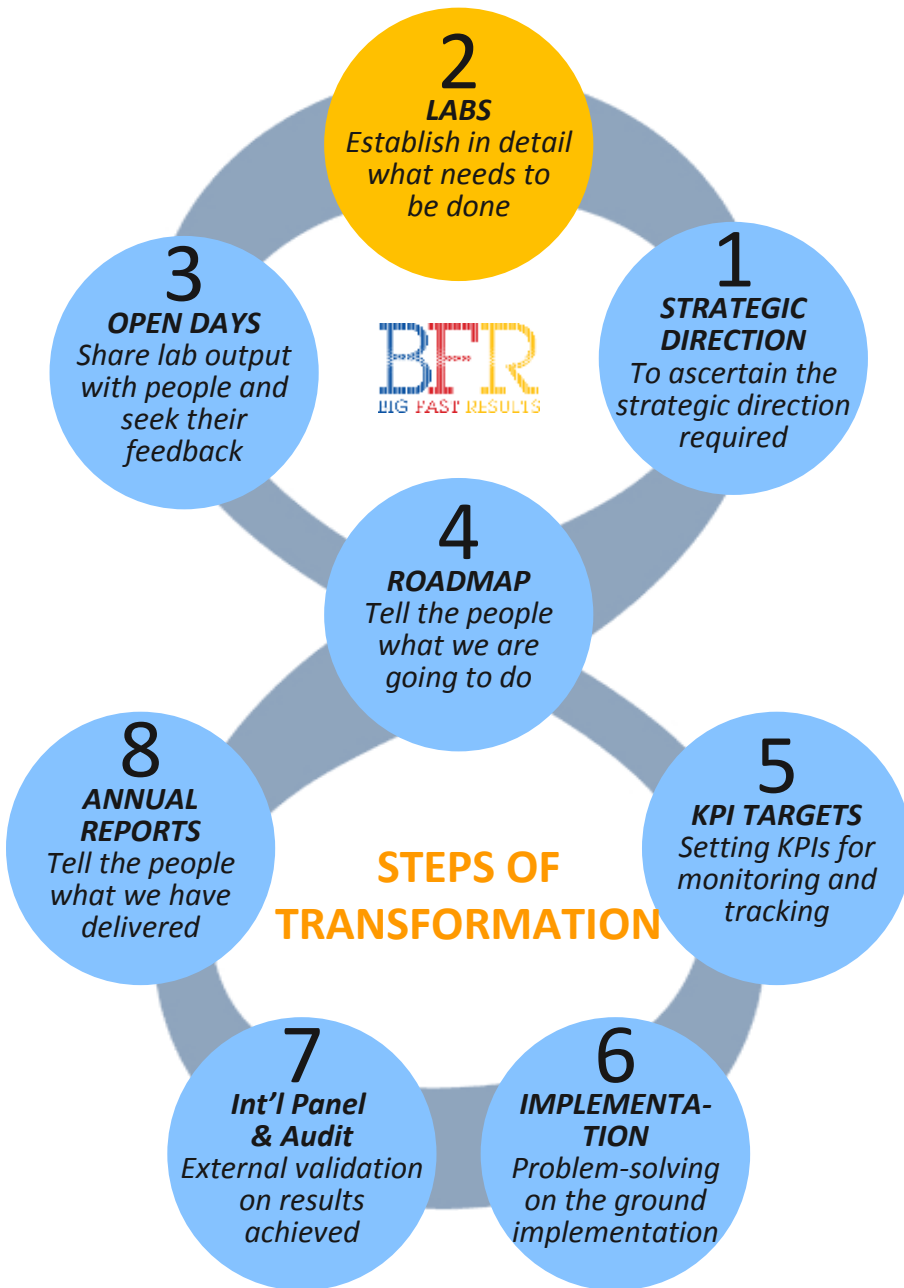
Lab and 3 feet Implementation Program

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PEMANDU
A S S O C I A T E S

*Note : Private & Confidential. This material can be only shared with the CLTF BFR Workshop participants and should not be circulated without permission. Should you have any further enquiry regarding this material, kindly contact **Engku Fazuin** (Tel : +60126956381, Email : engkufazuin.azahan@pemandu.org)*

Step #2: Facilitate Labs



Labs are working sessions attended by key stakeholders to establish implementation programmes to detail out what needs to be done – we call them “3 feet plans”

The lab will involve a radically new approach to developing solutions

Traditional approach

Development teams know what they want in advance

Requirements and needs are right the first time

Changes are minimised or even frozen during the development process

Development teams meet senior leaders and decision-makers **at the end**

Lab approach

Development teams know what they want **only after they go through a lab**

Requirements evolve as progress is made through learning and discovery

Major changes can and will be introduced throughout the development process

The senior leaders and decision-makers are part of the development process

What you will see and experience in a lab?

Physical

(What you see)



- **Best Possible** 40 leaders with excellent facilitation and problem solving skills
- **Dedicated working space** & tools (database, templates, etc)
- **Full-time** & **time boxed** (typically 1 month)
- **Daily log** books and war room

Radical way of working

(What you experience)



- Intense **open debates** & “**hands-on-deck**” approach
- **Breakdown of silos** & bureaucracy
- Syndication & **experimentation** (pushing the boundaries)
- **Radical, practical & innovative** solution to achieve **BIG FAST RESULTS**

Example: GTP NKRA Labs (Oct – Nov 2009)

Involved 240 members from all Ministries and Government Agencies

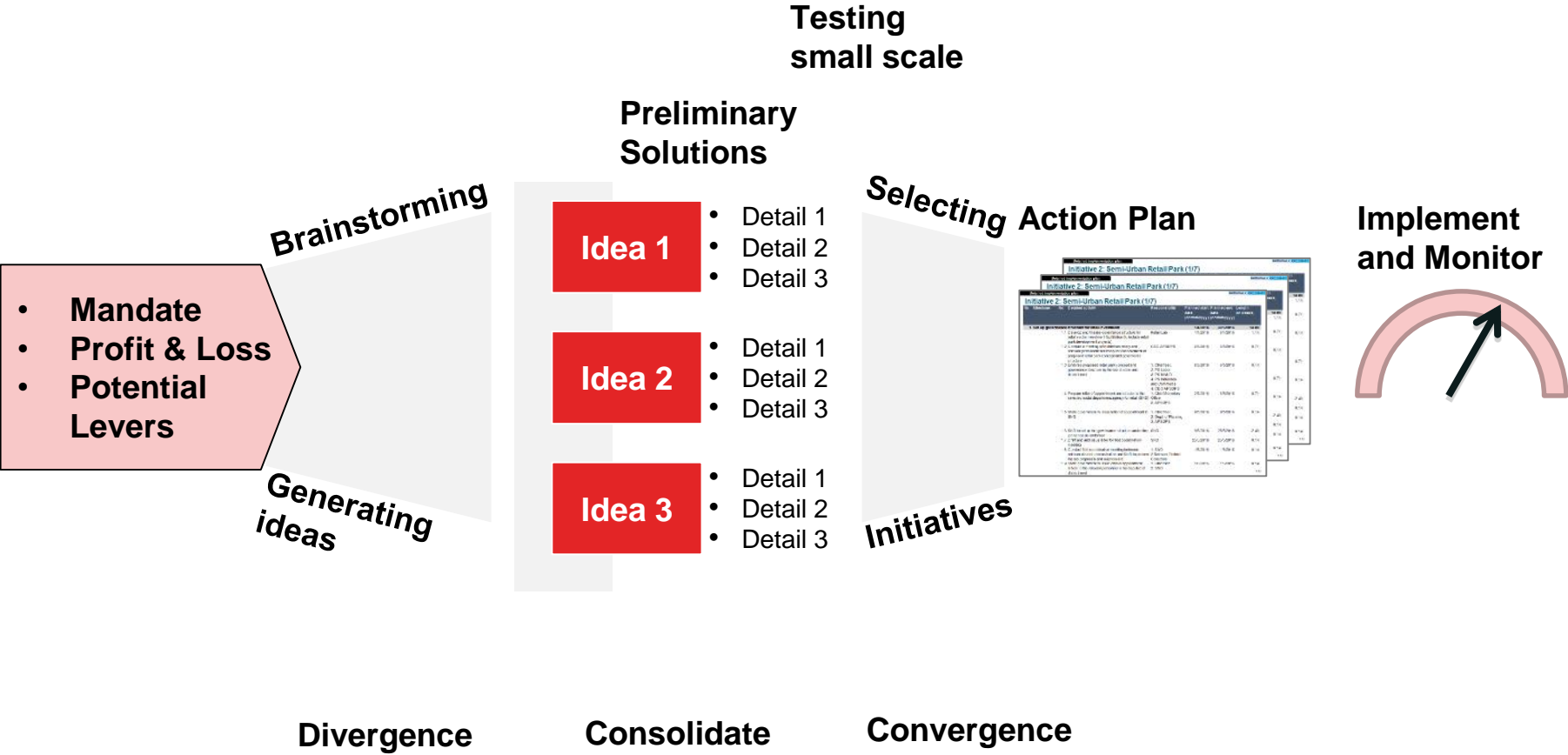


Intense & Radical...
No silos & hierarchy...



Recap: Labs – Divergence / Consolidate / Convergence

‘Psychology’ of a lab



Agenda

- **Why '3 Feet Implementation'?**
- Example: NKEA: Greater KL/KV: River of Life
- Consequence of Not Having a 3 feet Plan
- Q & A



There is a difference between a “Programme” and a “Plan”



Programme

3-foot plans

- **Projects**
- **Action items**
- **Timeline**
- **Project owner**
- **Targets**

1,000-foot plans

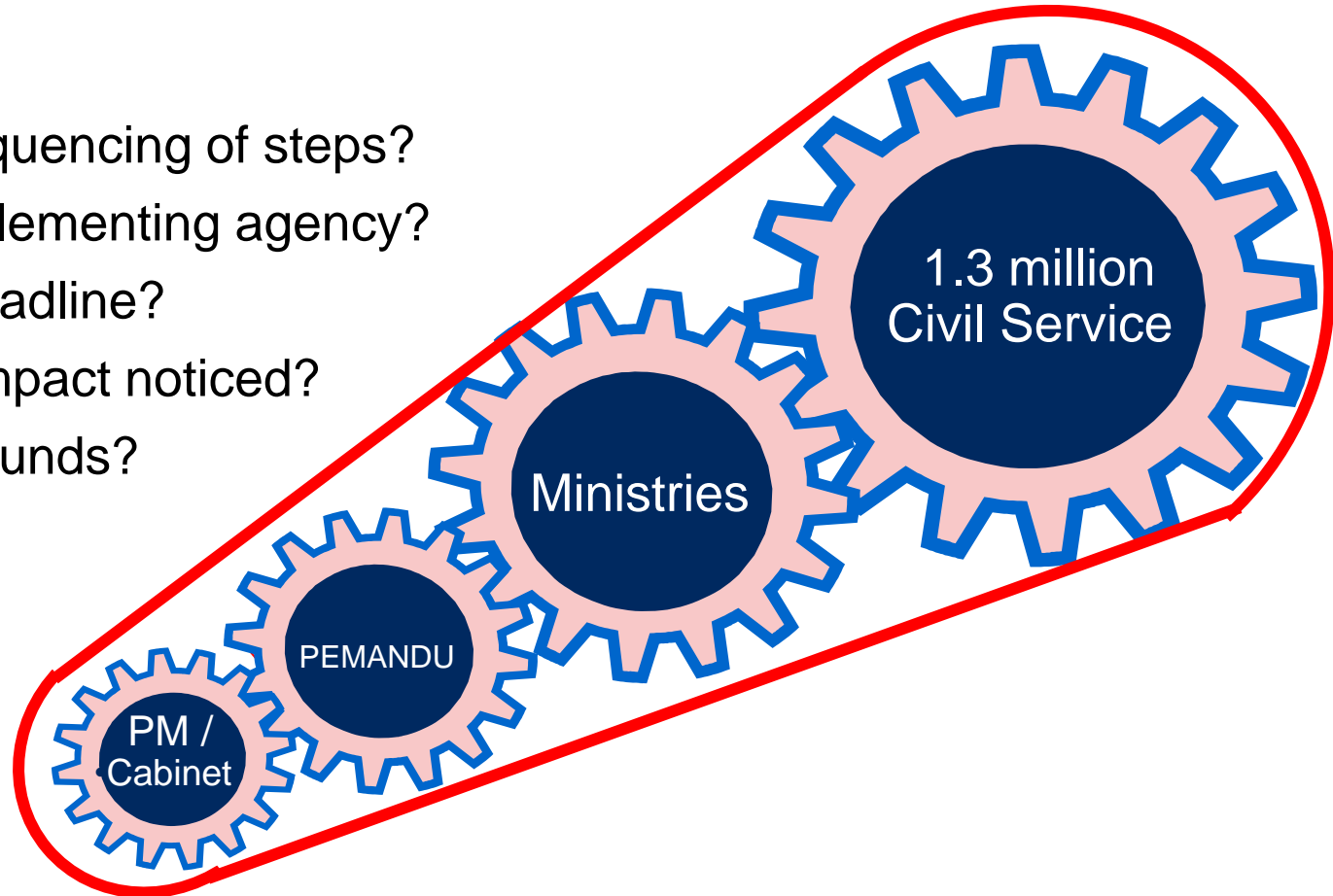
- **Strategic intent**
- **Strategic plan**
- **Blueprint**
- **Strategy document**

Plan



Why 3-feet Implementation Programmes?

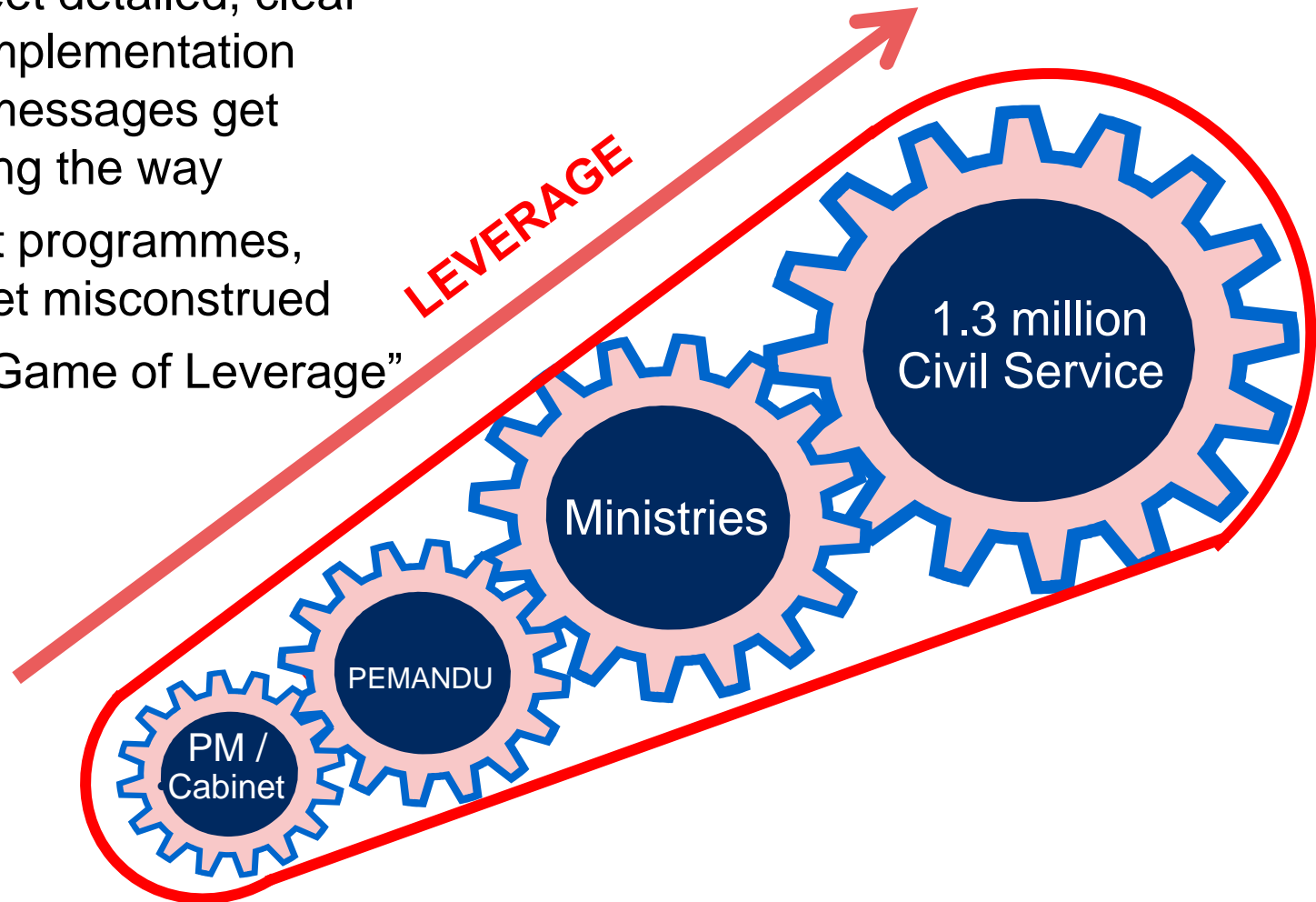
- To ensure leaders' vision is executed by the 1.3 million civil service
- Instructions to deliver must be communicated with clear step by step details
- Details such as:
 - **What** is the sequencing of steps?
 - **Who** is the implementing agency?
 - **When** is the deadline?
 - **Where** is the impact noticed?
 - **How** to obtain funds?





Why 3-feet Implementation Programmes?

- Without a 3-feet detailed, clear and precise implementation programme, messages get **distorted** along the way
- Without 3-feet programmes, instructions get misconstrued
- A tool in the “Game of Leverage”



Example of a 3 feet implementation – Making Coffee



**How do you
make a cup of
coffee?**

At 1,000 feet, the process of making a cup of coffee will look something this ...



EXAMPLE

Steps at 1,000-feet



- The implementer still **cannot** make coffee
- Detailed steps and sequence are **not** known clearly
- Programme is still **not** at 3 feet



Bottom line:
Coffee **will not** be made



At 3-feet, the process of making a cup of coffee becomes more detailed, clearer & precise



EXAMPLE

Steps at 3-feet

1. Take Kettle from Pantry $t = 0$
2. Fill Kettle with Water up to a quarter full $t = +1 \text{ min}$
3. Boil Water $t = + 3 \text{ min}$
4. 3 teaspoons of Nescafe Gold Blend into cup $t = +1 \text{ min}$
5. Pour 150 ml Boiling Water into cup $t = + 4 \text{ min}$
6. Stir to mix hot water and coffee mix $t = + 4 \text{ min}$
7. Add 2 teaspoons of sugar $t = + 4 \text{ min}$
8. Add 30 ml of milk $t = + 4 \text{ min}$
9. Drink 😊 $t = + 5 \text{ min}$
10. Wash and dry cup $t = +10 \text{ min}$

Detailed steps are clear
and in sequence ...



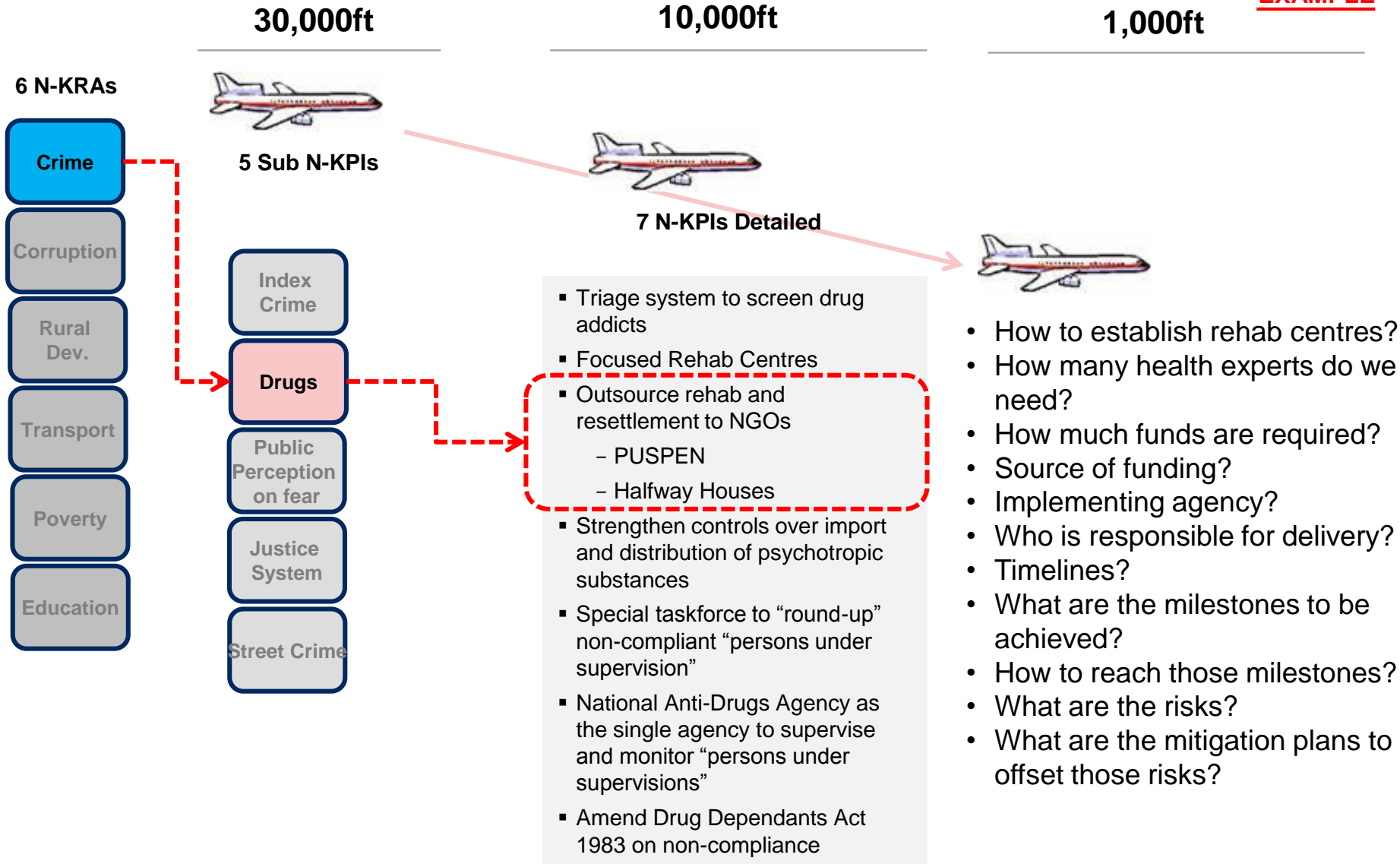
Bottom line:
Coffee **can** be made



Example of drilling down to granular details ...



EXAMPLE



With 3-foot implementation plans, we can track progress. We will know who is not delivering ...



EXAMPLE

3-foot

Implementation Plan (3/13)

Initiative	Phase	Activity	Timeline	Responsible Officer
To Evaluate Headmaster	Evaluation of Headmasters in 2010	• To Key -in GPS Data for 2009	15 - 21 Dis 09	Unit Data BPPDP
		• To Key-in SQEM Data for 2009	15 - 21 Dis 09	Guru Besar
		• To Ensure All Schools Key-in SQEM Data for 2009	15 - 21 Dis 09	Tn Hj Wan Shuaib bin Muhd JNJK
		• Monitoring Data On line	22 - 24 Dis 09	Pegawai Data PPD
		• Agreement of e-bai'ah On Line by Headmasters	5 - 8 Januari 2010	Guru Besar
		• To Key -in GPS Data for 2010	15 - 21 Dis 2010	Unit Data BPPDP
		• To Key-in SQEM Data for 2010	15 - 21 Dis 2010	Semua Sekolah Rendah
		• To Ensure All Schools Key-in SQEM Data for 2010	15 - 21 Dis 10	Tn Hj Wan Shuaib bin Muhd JNJK
		• Monitoring Data On line	22 - 24 Dis 2010	Pegawai dataPPD
		• To Rank Headmasters base on ET,OT and BT	4 - 5 Jan 2011	Unit IPC, JNJK
		• To Verify Headmasters base on ET and BT	6 Jan - 28 Feb 2011	Unit IPC,JNJK
		• To include Annual Appraisal Report, Unconditional Audit Report , LINUS and Code of Conduct for Head masters	7 - 11 Mac 2011	Ketua Sektor Khidmat Pengurusan &Pembangunan JPN
		• To Endorse Final Recipients of Headmasters for Rewards and Remedial	4-8 April 2011	JK New Deals
		• To Inform Finance Department for Rewards	11-15 April 2011	JK New Deals
		• To Announce the Final Recipients For Rewards	25 April 2011	JK New Deals
		• To inform SEO the BT Headmasters lists for Remedial Training	25 April 2011	JK New Deals
		• Monetary Rewards for Headmasters	4 Nov.2011	SUB Kewangan

- Clear & precise line-by-line tasks/activities
- List of accountable people (for specific tasks/activities)
- Broken down to the individual names and deadlines

SOURCE: Education Lab

In short, what does 3-feet mean to us ...



Coming to a landing

Implementation Programme: How do we know if it's really 3 feet?



- Implementation programme given to the **implementing agency**
- The implementer is able to **execute** next steps from **inception** till **delivery**
- Meaning we **successfully** developed a 3-foot implementation programme!

Why 3-feet and not 0-feet?



1. Implementation programmes are live programmes
2. Continually evolves
3. We can predict the future but NOT foretell the future
4. Programmes will change due to circumstances
5. Programmes must be detailed, but not rigid
6. Room for changes/tweaks to programme must exist

Education NKRA: Example of 3-feet vs 0-feet



EXAMPLE

Transparency in performance involves ranking all (9,924) public primary and secondary schools

	Nama Sekolah	Type of School	Consolidated GPS %	SKPM 2008	Composite score %	Rank	Category
TFT1002	SM IMTIAZ DUNGUN	A	98%	95%	97%	1	4
TEA6086	SMK LEMBAH BIDONG	A	97%	96%	97%	2	4
BRA6001	SBPI SABAK BERNAM	A	97%	95%	96%	3	4
NEB4096	KOLEJ TUNKU KURSHIAH	C	95%	98%	96%	4	4
WEA0247	SM SAINS ALAM SYAH	B	97%	94%	96%	5	4
BRA0001	KOLEJ ISLAM SULTAN ALAM SHAH (SMBP)	E	97%	92%	96%	6	4
NEA4108	SM SAINS SEREMBAN	B	99%	89%	96%	7	4
WEA2006	Sekolah Sultan Alam Shah	C	94%	98%	95%	8	4
BRA7002	SBPI GOMBAK	C	97%	92%	95%	9	4
AEB4074	KOLEJ MELAYU KUALA KANGSAR	C	95%	96%	95%	10	4
WEA0248	SM SAINS SERI PUTERI	B	95%	94%	95%	11	4
NEB4137	SEKOLAH DATO' ABDUL RAZAK	C	93%	99%	94%	12	4
TFT0001	SM IMTIAZ BESUT	A	97%	88%	94%	13	4
CEA6021	SM Sains Tengku Abdullah	C	93%	96%	94%	14	4
BEA9607	SEKOLAH SERI PUTERI	C	93%	95%	94%	15	4
REE0072	SMSTuankuSyed	C	93%	97%	94%	16	4
MEE2141	SMK MUZAFAR SHAH	C	94%	91%	93%	17	4
KEA4036	SM Sultan Abdul Halim	C	92%	97%	93%	18	4
TEA3122	SM (SAINS) KUALA TERENGGANU	B	95%	89%	93%	19	4
KRA4001	Sek.Berasrama Penuh Kbg.Pasu (INTEG)	C	93%	94%	93%	20	4
AEA5077	SM SAINS Teluk Intan	C	92%	95%	93%	21	4
DEA4296	SM SAINS PASIR PUTEH	C	91%	98%	93%	22	4
DEE1415	SM SAINS TG. MUHAMMAD FARIS PETRA	C	94%	91%	93%	23	4
BEA3083	SM SAINS KUALA SELANGOR	C	95%	89%	93%	24	4
ICB1000	SEKOLAH ALI HAJI KATIMAU (SMBP)	C	95%	88%	93%	25	4

Initial Decision:
Rank and publish each and every school in the country

1 Standard Quality Education Malaysia (SQEM) is the standard quality instrument for evaluating schools based on 4 main dimensions (vision and mission; organisational management; educational program management and pupil accomplishment)

Education NKRA: Example of 3 feet vs 0 feet

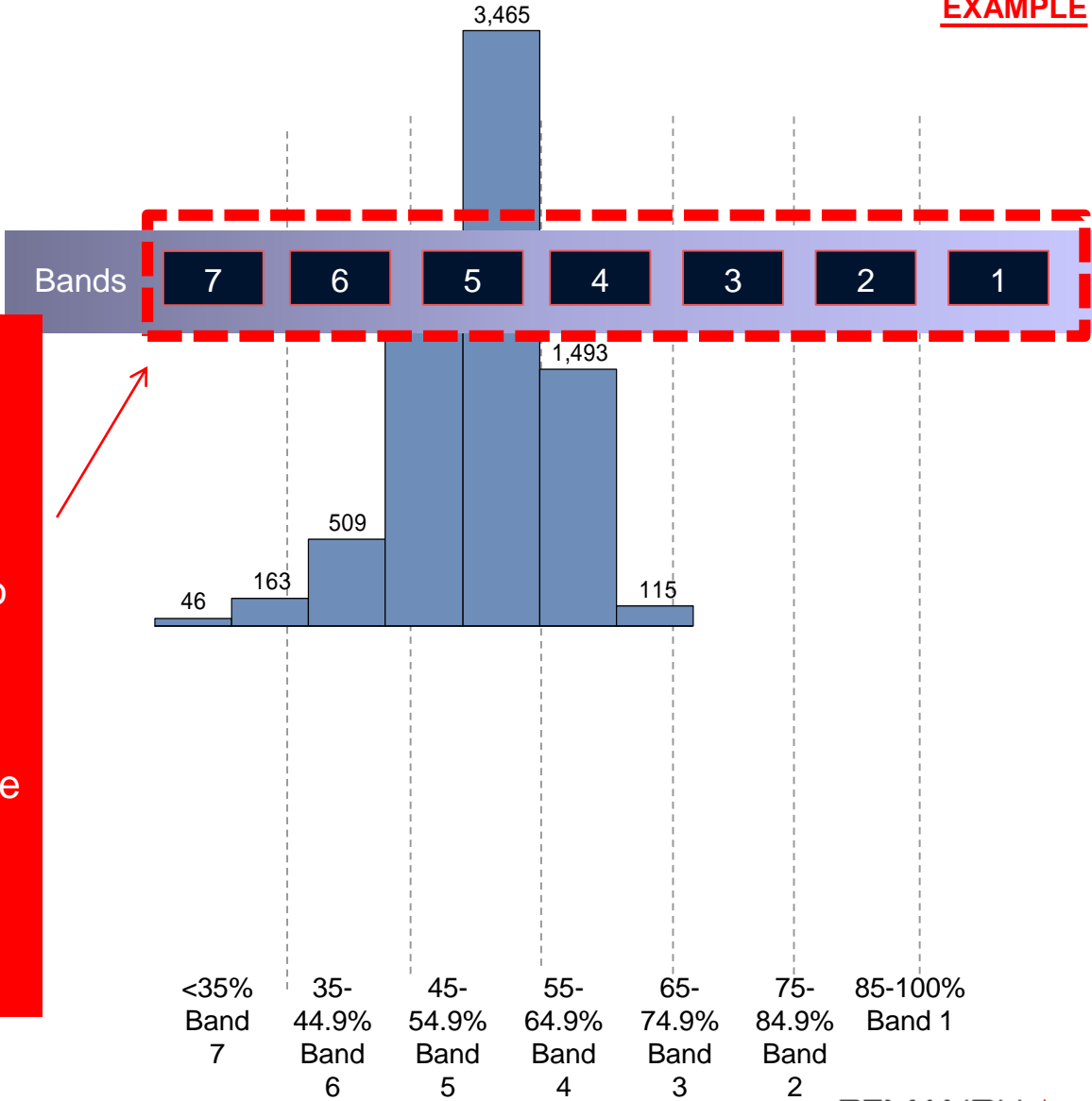


EXAMPLE



Revised Decision:
Rank and publish schools according to bands.

Individual ranking to be shared in private with school Principals



Agenda

- Why '3 Feet Implementation'?
- **Example: NKEA: Greater KL/KV: River of Life**
- Consequence of Not Having a 3 feet Plan
- Q & A



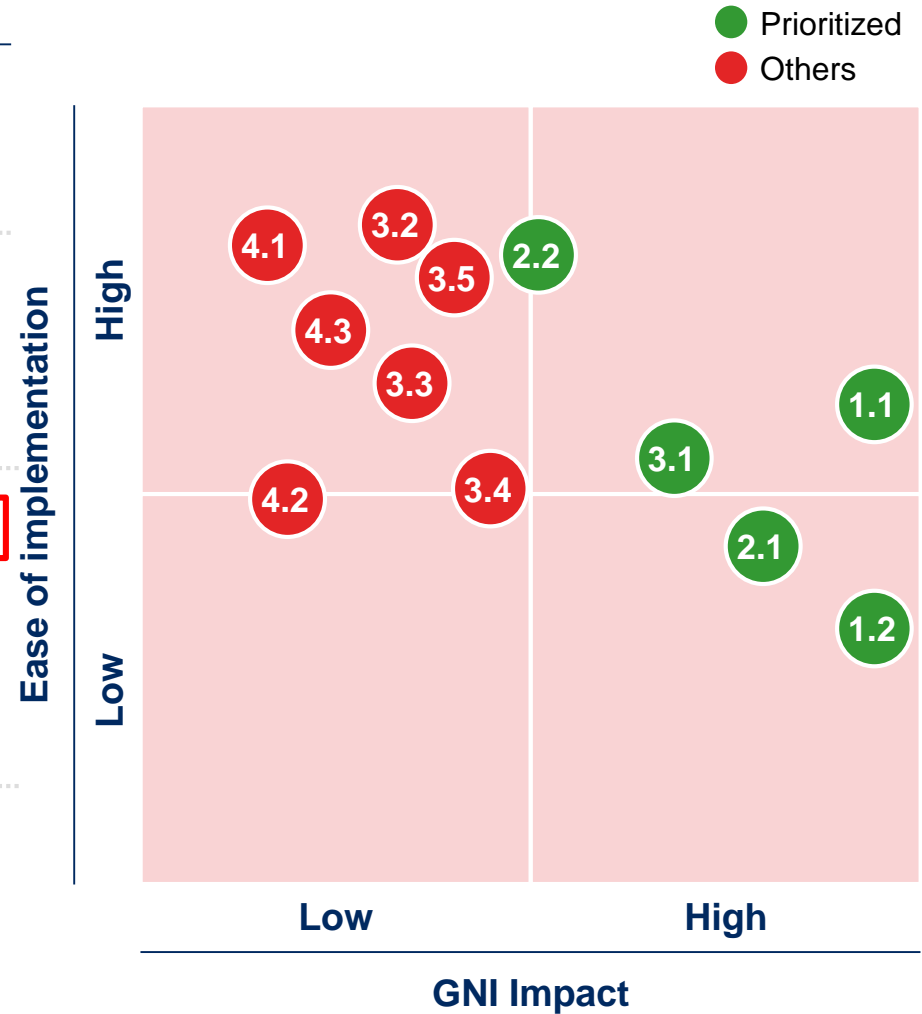
To transform the economy we need to focus on 12 National Key Economic Areas (NKEAs)





Under the Greater KL NKEA, 12 initiatives were prioritised and 5 were selected with highest potential GNI impact

Category	Description
1 Greater KL as a magnet	1.1 Attract 100 world's top MNCs
	1.2 Attract high-skilled immigration
2 Greater KL connect	2.1 Connect to Singapore with High-Speed Rail
	2.2 Build MRT: An integrated urban rail system
3 Greater KL new places	3.1 Rejuvenate the River of Life
	3.2 Create a greener KL
	3.3 Establish iconic places
	3.4 Revitalise Putrajaya
	3.5 Housing
4 Greater KL enhanced services	4.1 Pedestrian network
	4.2 Solid Waste Management
	4.3 Basic services: Water, sewerage and electricity



The world's most liveable cities maximise their waterfronts for economic activities and liveability



False Creek
Vancouver



Yarra River
Melbourne



Helsinki Harbour
Helsinki



Toronto Harbour
Toronto



Danube River
Vienna

Unfortunately, the Klang River is currently utilised as a dumping ground leading to heavy pollution



Klang River has all the right ingredients to become a vibrant waterfront ...

- **Origin of the city**
- **Heritage around the area**
- **Central urban area**



... with enormous economic and liveability potential to be realised

- **Economic engine** – Real estate, tourism, employment
- **Heritage and culture** – Masjid Jamek, Little India, China Town
- **Quality of life** – Healthier way of life, green spaces, connectivity, cleanliness



River of Life: How to implement?

10000 feet → 1000 feet → 100feet → 3 feet



EPP 5: River of Life – Transforming Klang River into a vibrant and livable waterfront with high economic value



10,000 feet

River Cleaning

- Clean and improve the 110km stretch along the Klang River basin from current Class III-V to Class IIB by 2020
- Covers the municipal areas of:
 - Selangor (MPS)
 - Ampang Jaya (MPAJ)
 - Kuala Lumpur (DBKL)



River Beautification

- Masterplanning and beautification works will be carried out along a 10.7km stretch along the Klang and Gombak river corridor
- Significant landmarks in the area include Dataran Merdeka, Bangunan Sultan Abdul Samad and Masjid Jamek



River Development

- Cleaning and beautification works will spur economic investments into the areas immediately surrounding the river corridor
- Potential government land will be identified and tendered out to private developers through competitive bidding



River Cleaning: Key Initiatives

1,000-FEET



Aspiration



Class III
(unsafe for body contact)

- Decrease ammoniacal nitrogen¹ from 0.9 to 0.3 mg/l
- Decrease biological oxygen demand² from 6 to 3 mg/l
- Decrease suspended solids³ from 150 to 50 mg/l



Class IIB
(recreational use with body contact)

Key Initiative	Description
1	Upgrading existing sewerage facilities is the most impactful and important initiative to reduce Klang river pollution
2	Existing regional sewage treatment plants must be expanded to cater for future growth
3	Wastewater treatment plants need to be installed at 5 wet markets to decrease rubbish and pollutants
4	Install additional gross pollutant traps will improve the river aesthetics and water quality
5	Utilise retention ponds to remove pollutants from sewage and sullage
6	Relocation of squatters will significantly reduce sewage, sullage, and rubbish in the Klang river
7	Implement the Drainage and Stormwater Management Master Plan to upgrade drainage systems
8	Systematic hydrological study and rehabilitation of the river are needed for flow control
9	Promote, enforce, and manage river cleanliness and health – erosion from urban development
10	Promote, enforce, and manage river cleanliness and health – restaurants, workshops, and other commercial outlets
11	Promote, enforce, and manage river cleanliness and health – industries that generate wastewater/ effluent
12	Promote, enforce, and manage river cleanliness – general rubbish disposal

1 Ammoniacal nitrogen (AN) is a toxic pollutant often found in sewage and landfill

2 Higher biological oxygen demand (BOD) BOD indicates higher presence of microorganisms, suggesting higher pollution

3 Suspended solid (SS) is organic and inorganic particle (e.g., waste, sand) that increases turbidity and reduces oxygen content

Key Initiative 1: Upgrading existing sewerage facilities is the most impactful and important initiative to reduce Klang river pollution



100-FEET

Initiative details

What is to be done?

- Upgrade and refurbish 343 existing multipoint and 7 regional sewage treatment plants (STP)
- Rehabilitate defective sewers
- Upgrade undersized sewers for growth areas
- Construct sludge facilities

Who is responsible?

Implementing Agency

- Sewerage Services Department

Supporting Agencies

- National Water Commission (SPAN)
- Indah Water Konsortium (IWK)

Timeline

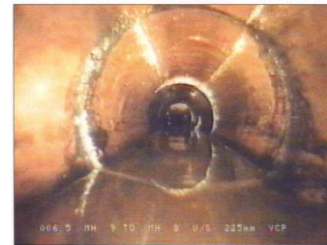
- Begin implementation in 2011
- Five years to complete

Stakeholders

- Private STP operators
- Housing developers
- Public

Impact

- Significantly improve river quality
 - Reduce load reduction of AN and BOD
- Compliant with the 2009 Sewage Regulations and the 1974 Environmental Quality Act for Category 1 compliance standards
- Improving quality of life



Key Initiative 2: Wastewater treatment plants need to be installed at 5 wet markets to decrease rubbish and pollutants



100-FEET

Initiative details

What is to be done?

- Provide collection centre and **treatment facilities** for wastewater and effluent generated by wet markets
- Identify area in **five wet markets** to install wastewater treatment system
 - Pasar Pudu
 - Pasar Sentul
 - Pasar Chow Kit
 - Pasar Datuk Keramat
 - Pasar Borong Selayang

Who is responsible?

Implementing Agency

- KL City Hall

Supporting Agencies

- DOE (for monitoring)

Timeline

- Begin implementation in 2011
- 1 year to complete

Stakeholders

- Wet market operators

Impact

- Directly improve Klang river water quality
 - Decrease rubbish entering into the river
- Decrease pollutants
 - Reduce load reduction of AN and BOD
- Establish high sanitation standards necessary for a developed city
 - Less odour at market due to treatment of effluent



Implementation timelines for Key Initiative 1

3-FEET



Key Initiative	Task Name	Lead Agency	Start	Finish
No. 1	Upgrading existing sewerage facilities is the most impactful and important initiative to reduce Klang river pollution	JPP	Sat 01/01/11	Thu 28/02/19
No. 1	RL1 Quick touch point rationalization projects 17 plants (QW)	JPP	Sat 01/01/11	Thu 21/04/16
	Package 1		Sat 01/01/11	Sat 31/10/15
No. 1	Preparing of TOR	JPP	Sat 01/01/11	Mon 31/01/11
No. 1	Consultant Appointed	JPP	Tue 01/02/11	Thu 31/03/11
No. 1	Land Surveying / SI Works/ Design Stage	JPP	Fri 01/04/11	Thu 15/09/11
No. 1	Tender Process	JPP	Thu 15/09/11	Sat 15/10/11
No. 1	Tender Evaluation	JPP	Mon 17/10/11	Fri 16/12/11
No. 1	Tender Award	JPP	Fri 16/12/11	Fri 16/12/11
No. 1	Construction Period	JPP	Fri 16/12/11	Thu 31/07/14
No. 1	DLP	JPP	Wed 08/01/14	Fri 31/07/15
No. 1	Final account	JPP	Sat 01/08/15	Sat 31/10/15
No. 1	Package 2	JPP	Sat 01/01/11	Thu 21/04/16
No. 1	Preparing of TOR	JPP	Sat 01/01/11	Mon 31/01/11
No. 1	Consultant Appointed	JPP	Tue 01/02/11	Thu 31/03/11
No. 1	Land Surveying / SI Works/ Design Stage	JPP	Fri 01/04/11	Mon 31/10/11
No. 1	Tender Process	JPP	Tue 01/11/11	Wed 30/11/11
No. 1	Tender Evaluation	JPP	Thu 01/12/11	Fri 16/03/12
No. 1	Tender Award	JPP	Tue 31/01/12	Tue 31/01/12
No. 1	Construction Period	JPP	Wed 01/02/12	Thu 16/10/14

Implementation timelines for Key Initiative 2

3-FEET



Key Initiative	Task Name	Lead Agency	Start	Finish
No. 3	Wastewater treatment plants need to be installed at 5 wet markets to decrease rubbish and pollutants	JSPS DBKL	Fri 03/12/10	Thu 09/08/12
No. 3	Identify area in five wet markets to install wastewater treatment system at Pasar Pudu, Pasar Sentul, Pasar Chow Kit, Pasar ,	JSPS DBKL	Fri 03/12/10	Thu 09/08/12
No. 3	Gathering data	JSPS DBKL	Fri 03/12/10	Mon 07/03/11
No. 3	Preparing of TOR	JSPS DBKL	Tue 08/03/11	Fri 29/04/11
No. 3	Appointment of consultant	JSPS DBKL	Tue 03/05/11	Mon 20/06/11
No. 3	Preparation Of Interim Report	JSPS DBKL	Tue 21/06/11	Mon 11/07/11
No. 3	Evaluation Of Interim Report	JSPS DBKL	Tue 12/07/11	Mon 01/08/11
No. 3	Preparation Of Final Report	JSPS DBKL	Tue 02/08/11	Wed 31/08/11
No. 3	Evaluation Of Final Report	JSPS DBKL	Thu 01/09/11	Wed 21/09/11
No. 3	Tender Stage	JSPS DBKL	Thu 22/09/11	Fri 21/10/11
No. 3	Closing Tender	JSPS DBKL	Sat 22/10/11	Sat 22/10/11
No. 3	Tender Evaluation	JSPS DBKL	Mon 24/10/11	Mon 14/11/11
No. 3	Tender Award	JSPS DBKL	Mon 14/11/11	Mon 14/11/11
No. 3	Construction Stage	JSPS DBKL	Mon 14/11/11	Thu 09/08/12

Agenda

- Why '3 Feet Implementation'?
- Example: NKEA: Greater KL/KV: River of Life
- **Consequence of Not Having a 3 feet Plan**
- Q & A



Low Income Household (LIH)



	Issue	Reaction	What happened next?		Reason
1	PM wants to reduce hardcore poor to zero	Great!	X	Nothing!	Funds not allocated
2	PM allocates cash top up to reduce 44,643 hardcore poor to zero	Great!	X	Nothing!	Ministry needs to hire 1000 staff to distribute funds, which will take 2 years!
3	PEMANDU assigns Post Offices as lead distributor: 55,000 postmen	Great!	X	Nothing!	Post Offices require official letters from Ministry to identify eligible households
4	Ministry issues official letters to Post Office	Great!	X	Nothing!	Hardcore poor in rural areas unable to receive cash relief as there's no Post Office service
5	District Officers to distribute to rural areas	Great!	X	Nothing!	Slow process. State local politicians want to organize ceremonies

**Consequential delays:
3 months → 9 months**



	Issue	Reaction	What happened next?		Reason
1	PM said KL needs MRT by 31.12.2016	Great!	X	Nothing!	No agency was assigned for this task
2	PM assigned Land Public Transport Commission (LPTC)	Great!	X	Nothing!	LPTC is only a regulator, not an implementer!
3	PEMANDU prepared a Cabinet Paper to appoint implementer	Great!	X	Nothing!	It takes 90 days to appoint CEO
4	CEO and Project team finally in place	Great!	X	Nothing!	Contractor T&C not finalised
5	Contractor Appointed	Great!	X	Nothing!	Land not acquired

**Consequential delays:
4 months → 7 months**

Lessons learnt

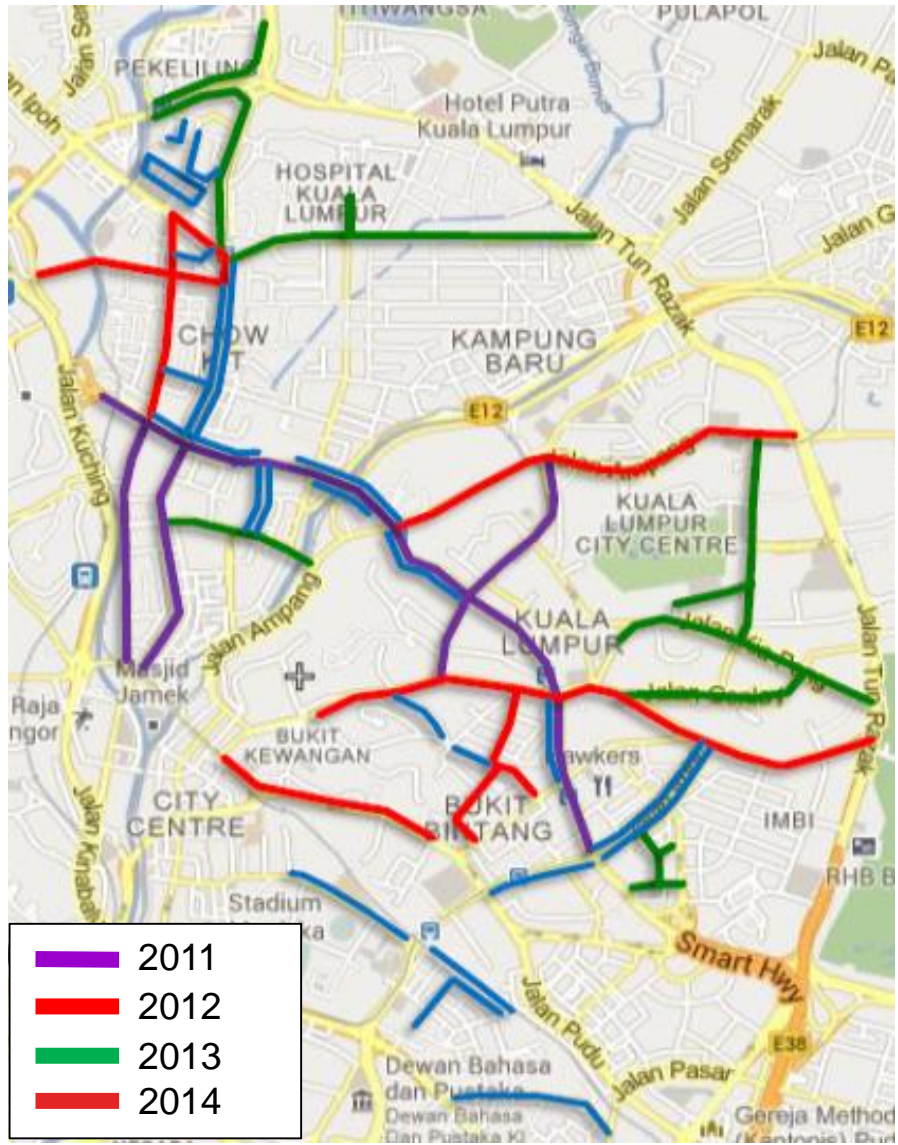


MRT	PM said KL needs MRT by 31.12.2016	Great!	X	Nothing!	No agency was assigned for this task
LIH	PEMANDU assigns Pos Offices as lead distributor: 55,000 postmen	Great!	X	Nothing!	Post offices require official letters from Ministry to identify eligible households



- Never **ASSUME**, always **ASSIGN**
- Whatever **CAN** go wrong, **WILL** go wrong
- Always have **CONTINGENCY** plans
- Be **IMMEDIATE** to act/react

Successfully implemented 3-foot programme example : Pedestrian Network is upgrade for seamless connectivity within the city



- ✓ Seamless
- ✓ Hazard-free
- ✓ Disabled-friendly
- ✓ **Safe-city concept:**

Green barriers & fencing between pedestrians and motorists



2011	2012	2013	2014
10.0 km	13.37 km	12.8 km	12.7km

Since 2010,
48.9 km length of walkways have been upgraded to enhance comfort & safety for pedestrians

A pedestrian walkway & cycling path masterplan is being drafted to ensure the connectivity of these infrastructure can encourage **active mobility** within the city center

GREATER KL

Mass Rapid Transit (MRT) Line 1 Completed and Launched



MRT Sg Buloh – Kajang Line

Final station names for MRT Sungai Buloh-Kajang line



Line 1 Sungai Buloh – Kajang launched and fully operational on 17 July 2017

Project Details



Total Length
51 km



31 Total Stations
24 Elevated
7 Underground



Elevated Track
41.5 km



Underground Track
9.5 km



Total Journey Time
90min



Kota Damansara – Bukit Bintang
30 min



Completed ahead of schedule and at lower budget!

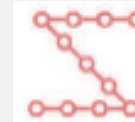
Mass Rapid Transit (MRT) Line 2 Phase 1 Operations Expected to Commence in Q2 2022



MRT Sg Buloh – Serdang – Putrajaya Line



Project Details



Total Length
52 km



36 Total Stations
25 Elevated
11 Underground



Elevated Track
38.7 km



Underground Track
13.5 km



Total Journey Time
84 min



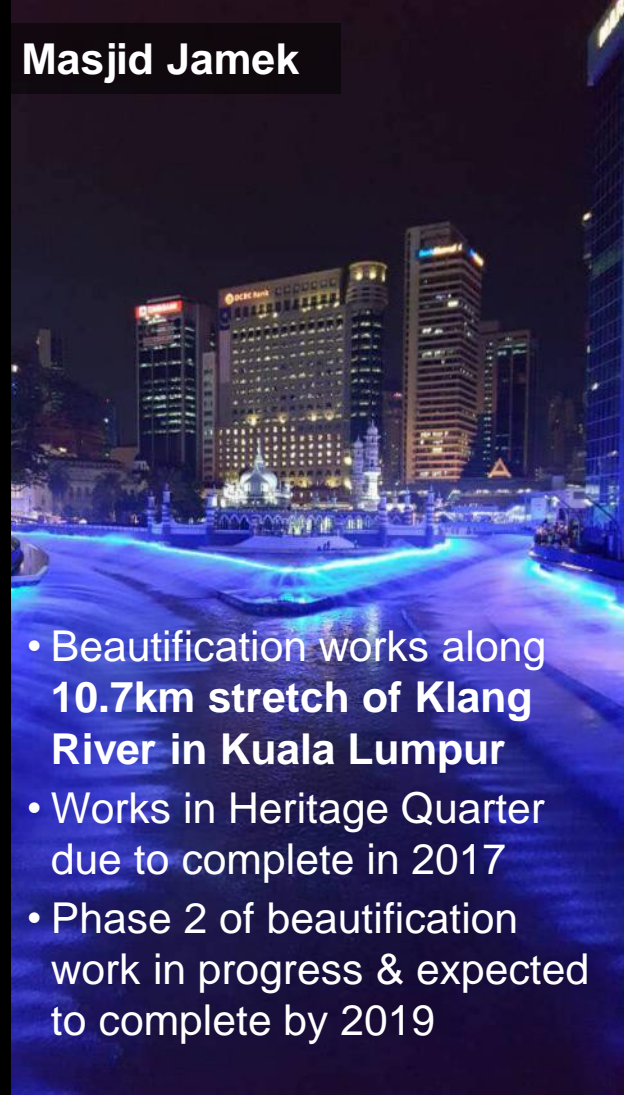
Average Speed
40 km/hour

GREATER KL

River of Life



Masjid Jamek



- Beautification works along **10.7km stretch of Klang River in Kuala Lumpur**
- Works in Heritage Quarter due to complete in 2017
- Phase 2 of beautification work in progress & expected to complete by 2019





RIVER CLEANING

Target Completion: 2020



Floating Wetland



Riverbank Repairs

RIVER BEAUTIFICATION

Target Completion: 2019



Masjid Jamek

- Beautification works along **10.7km stretch of Klang River in Kuala Lumpur**
- Works in Heritage Quarter to complete by end 2017
- Phase 2 of beautification work in progress & expected to complete by 2019

LAND DEVELOPMENT

Target Completion: 2020



- Cleaning & beautification works will **spur economic investments** into areas around the river corridor
- Land identified to be tendered out to private developers through competitive bidding
- Taskforce to recoup RM4.4bil on ROL project costs with a total of 108 lots (35 premium lots)

GREATER KL

Invest KL to attract 100 MNCs by 2020



Highest Contributing Countries & Summary of Regions (no. of MNCs)

- **USA** 31%
- **France** 13%
- **UK** 8%
- **Japan** 6%
- **Americas** 33%
- **Asia** 22%
- **Europe** 45%

YTD 2017 Achievement

- 69 MNCs** secured of 100 by 2020
- RM9.924 bil** Approved & Committed Investment
- RM4.087 bil** Investment Realised
- 9,885** Committed Employment
- 5,733** Jobs Realised

GREATER KL

High-Speed Rail Firmly On Track



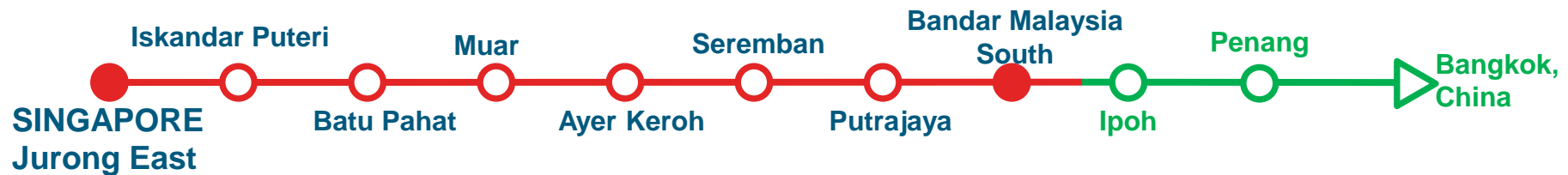
February 2017:

- 3 Joint Development Partners (JDP) were appointed

29 March 2017:

- First Bilateral Meeting convened in Singapore

Targeting commencement of operations by 2026



PHASE 1

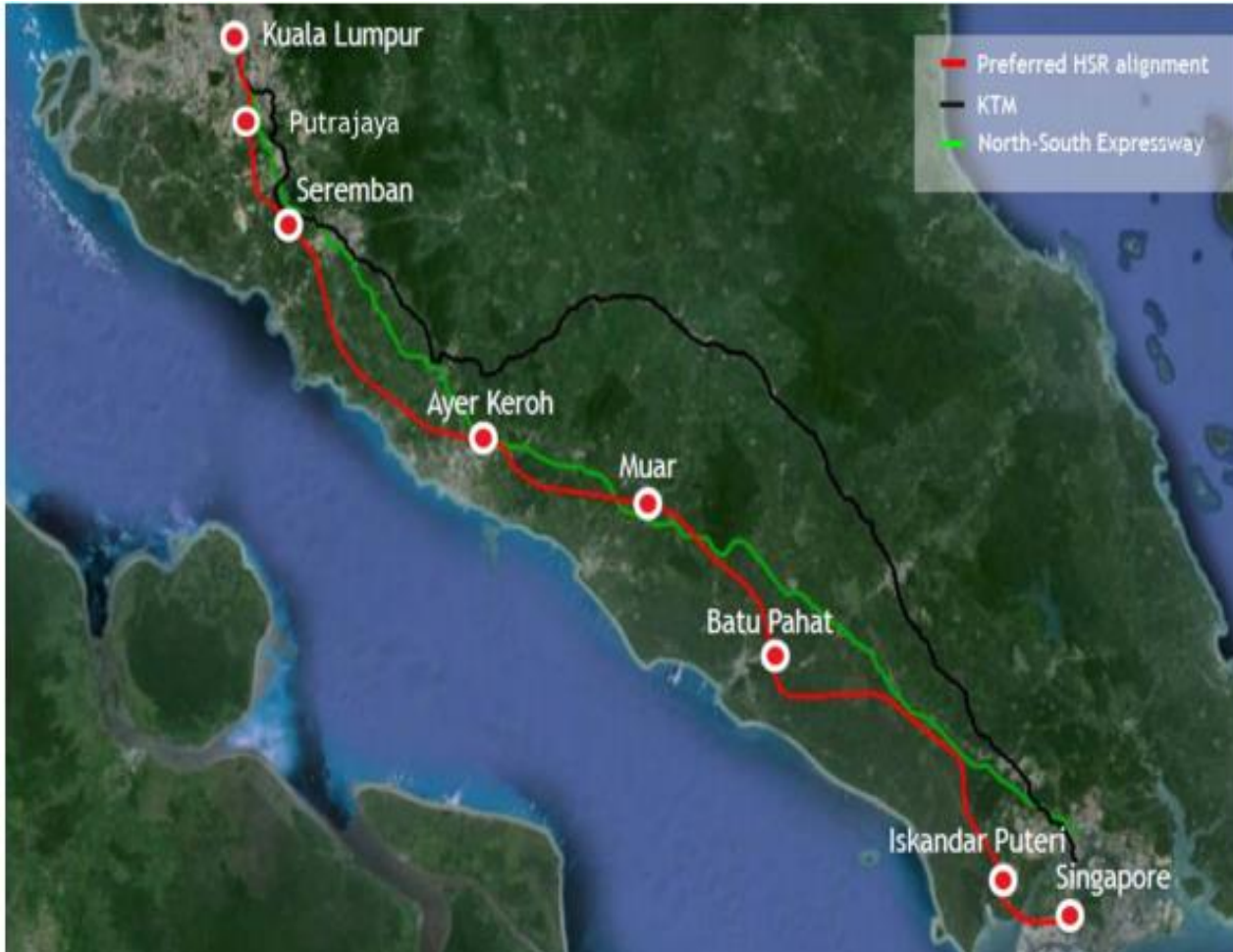
- Kuala Lumpur to Singapore in 90 minutes
- Intercity stops in Putrajaya, Negri Sembilan, Melaka & Johor

PHASE 2 and beyond

- Greater KL to Penang
- Penang to Bangkok and China

GREATER KL

High-Speed Rail 350km, 90-minute Route, with average speeds of 300km/h



Benefits

- Potential of developing new economic hubs along the KL-SG corridor
- Provision of a safe and efficient alternative mode of transport along the KL-SG corridor



Express journey time of **90 minutes**



Transit journey time of **120 minutes**

Agenda

- Why '3 Feet Implementation'?
- Example: NKEA: Greater KL/KV: River of Life
- Consequence of Not Having a 3 feet Plan
- **Q & A**



Thank You