

### **AGENDA**





- Visit Itinerary
- Highlight of Singapore Digitalization Strategies
- INSIGHT & Adoption

Presentation title 2





### **Industry Digital Plan** for Social Services

2021 - 2024

### Infrastructure · Big Data · **Ecosystem**

Industry Digital Plan for Social Services 2021 - 2024



journey across the following five focus areas:

#### Secure, Integrated Solutions and Infrastructure

As the first step to uplift the sector's digital maturity, SSAs should adopt foundational solutions that help to improve organisational productivity, thereby diverting time savings to tasks that more directly impact client outcomes.

Goal: 80% of SSAs adopt three or more foundational solutions



From the three strategic directions, SSAs are guided to advance their digitalisation

#### Enhanced Service User Experience

There needs to be a deliberate effort to leverage technology to enhance service delivery across all touchpoints - be it by increasing access to services via a digital option, or improving engagement via service delivery technology solutions.

Goal: 80% of services are tech-enabled



#### Connected Community and Partnerships

Resources can be better optimised by tapping into collaborations, thereby enhancing the sustainability of digitalisation efforts. Better solutions could also be co-created from such partnerships.



Goal: 30 digital collaboration projects in people, private and public sectors



#### **Data Proficiency**

SSAs should work towards being a data-driven organisation to enhance operations and service planning by having the necessary data strategy and systems in place.

> Goal: 30% of SSAs use data to enhance operations and service planning



#### Digital Talent and Leadership

To optimise the value of technology, adoption of solutions must be accompanied by the needed literacy and competency, as well as an agile and data-driven culture.

> Goal: 80% of SSAs have staff capable of using technology

The IDPSS serves as a guide to help SSAs achieve their digitalisation goals through structured step-by-step guidance in the following areas:



#### **Navigating the Digital** Roadmap

Industry Digital Plan for Social Services 2021 - 2024

Provide SSAs with a tailored Digital Roadmap to move forward in their digitalisation journey



#### Improving Organisational Effectiveness

Strengthen SSAs in 5 focus areas to achieve organisational effectiveness using the Digital Roadmap, Foundational Solutions Guide and Digital Skills Guide



#### **Enhancing Service User** Experience

Guide SSAs in adopting technology solutions according to types of services rendered and user needs



#### **Developing Sector** Connectivity

Leverage a suite of technology platforms and enablers to support SSAs in connecting and delivering services seamlessly



### Itinerary and Themes

Day	Agenda
Day 1	<ol> <li>Sector Connectivity: Strengthening Social Service Delivery via System Connectivity and Data Governance</li> <li>MSF Systems Overview (social services digital Infrastructure)</li> <li><u>SSNet</u> roadmap and 2.0 Enhancement</li> <li>Data Security Instructions (DSI) Implementation</li> </ol>
Day 2	<ol> <li>Digital Maturity: Digital Acceleration Index (DAI) Study</li> <li>Govt Funding Schemes for SS Digitalisation</li> <li>Tech-and-GO! funding scheme</li> <li>Pre-Scoped consultancy</li> <li>Data Proficiency</li> <li>Better Data-Driven Charities (BDDC) Templates</li> <li>Data Proficiency &amp; Governance: Providing Insights of Research Studies to the Public</li> <li>Quality of Life (QoL): Creating interactive dashboards</li> <li>Enhanced Service User Experience: Transforming Service Delivery with Digitalisation</li> </ol>
Day 3	<ol> <li>Foundational Solutions: Building a Digital Foundation</li> <li>Foundational Solutions: 1 – 2 NGO Sharing</li> </ol>

### Singapore Tour: Industry Digital Plan for Social Services (March 2024)

### Day 1

Sector Connectivity: Strengthening Social Service Delivery via System Connectivity and Data Governance Total 30 participants include 20 participants from 13 NGOs and 2 from SWD

**Ministry of Social and Family Development (MSF)** 



Esa MASOOD, Deputy Secretary, MSF Hoi Wai CHUA, Chief Executive, HKCSS





### Singapore Tour: Industry Digital Plan for Social Services (March 2024)

### Day 2

- I. Digital Maturity: Digital Acceleration Index (DAI) Study
- 2. Govt Funding Schemes for SS Digitalisation
- 3. Data Proficiency
- 4. Data Proficiency & Governance: Providing Insights of Research Studies to the Public
- 5. Enhanced Service User Experience: Transforming Service Delivery with Digitalisation



Li San TAN, CEO, NCSS









### Singapore Tour: Industry Digital Plan for Social Services (March 2024)

### Day 3

- 1. Foundational Solutions: Building a Digital Foundation
- 2. Foundational Solutions: 1 2 NGO Sharing



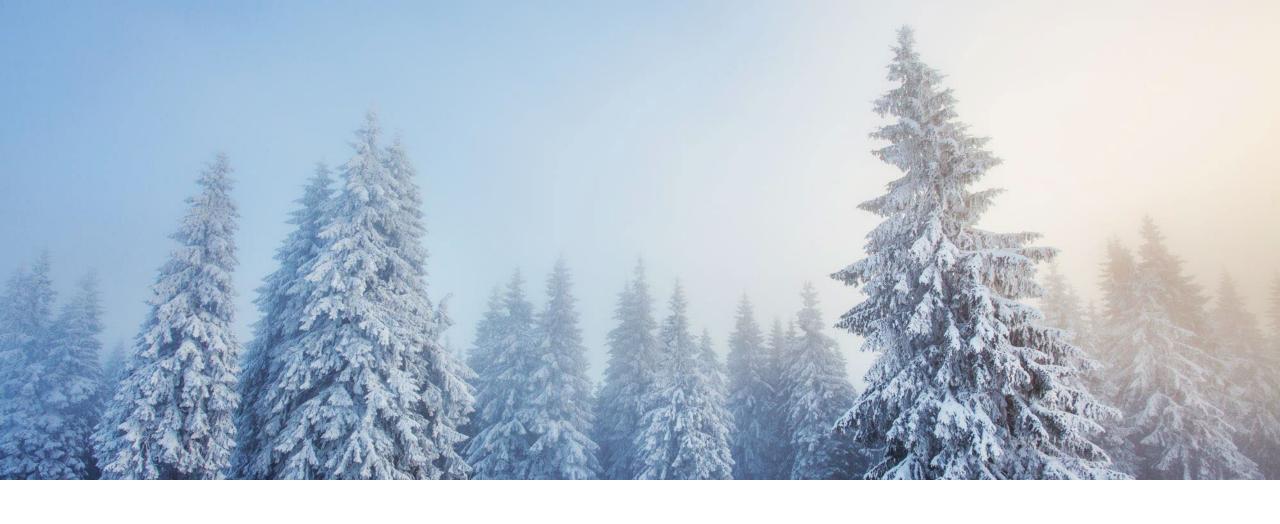
Raymond TAN, Assistant Director, IT Services Department, FYCS











Highlight of Singapore Digitalization Strategies

### Strategic Role in Digitalization

### Ministry of Social and Family Development (MSF)

### STRENGTHENING SOCIAL SERVICE DELIVERY VIA:

- SYSTEM CONNECTIVITY
- DATA GOVERNANCE

### The Nation Council of Social Service (NCSS)

### <u>Accelerating</u> digitalization across Singapore's social service sector

- Digital Acceleration Index (DAI)
- Social Services Digitalisation Playbook (Roadmap)
- Tech-and-GO! (Fund)
- Pre-scoped service delivery tech
- Consultancy & Coaching
- Social Service Data Standards

### Social Services Agency (SSA)

- How Technology Improves
   Productivity and Efficiency
- Implementation of Technology Enabled Therapy Programmes

Presentation title

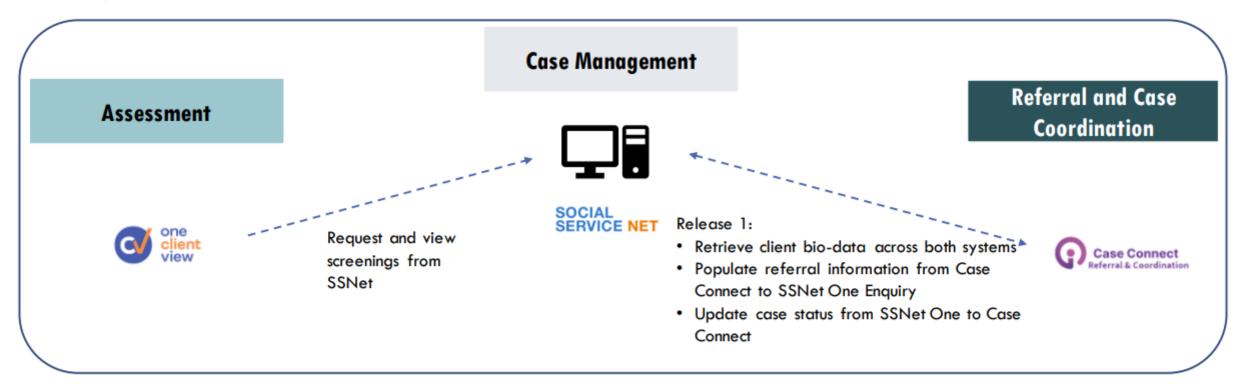
# Ministry of Social and Family Development

(MSF)



### IMPROVED SERVICE JOURNEY

Caseworkers are able to access OneCV screenings via SSNet, and no longer need to perform double data entry on both SSNet and Case Connect.





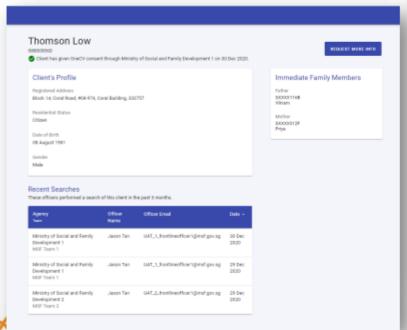


Enable more seamless workflows and reduce duplicative data entry across systems.

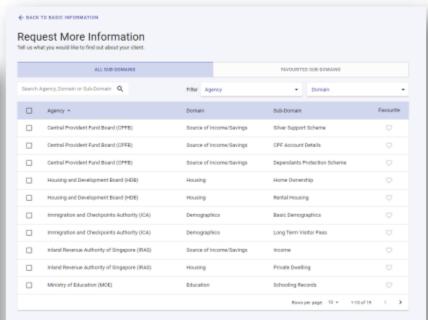
### ONE CLIENT VIEW

OneCV pulls data from different agencies beyond MSF services and schemes. Users can find out other assistance that the client is on, to reduce the number of documents that the client needs to submit, tailor assistance and/or refer their clients to other support expeditiously.

Real-time basic demographic and family information available



MINISTRY OF SOCIAL AND FAMILY DEVELOPMENT



Personal and case-level information from agencies added to OneCV progressively. Over 400 data fields from 18 agencies are currently available.



Data to be pulled together under various domains, with tiered access for different users.

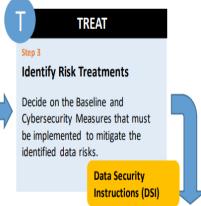
### Data Governance

TIERED DATA GOVERNANCE FRAMEWORK -D.A.T.A. FOUR STEP PROCESS



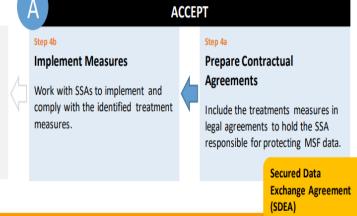
Step 5







Perform periodic checks with SSAs to ensure compliance as long as they collect or receive Govt. Data



BUILDING STRONG DATA GOVERNANCE

Our initiatives strengthen data sharing to facilitate ops and service delivery while balancing risk exposure, compliance costs and productivity.



#### Principles of Data Control

Defines what constitutes MSF data, data that is collected by SSAs on behalf of MSF, and/or data is legally disclosed to the SSAs through formal agreements. The principles form the basis to operationalise the TDGF and DSI.



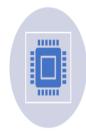
#### Tiered Data Governance Framework ("TDGF")

A risk-managed framework of Detecting, Assessing, Treating and Accepting Risks to enable SSAs to manage identified risks according to their risk profile.



#### Secured Data Exchange Agreement ("SDEA") [work-in-progress]

This agreement will be signed by all SSAs that MSF shares data with regularly. The SDEA, which includes the Data Risk Treatment Plan and DSI clauses, will be valid for 3 years.



#### Data Security Instructions ("DSI")

TDGF is incorporated into the revised DSI. With SSAs' complying with the revised DSI, MSF can then facilitate wider data sharing.

Presentation title 13

### Panel study is also conducted to complement administrative data for complex social issues

Pathways and Trajectories of Households in Singapore (PATHS) panel **allows tracking of the same households across time**, and effectively captures information on **complex issues faced by low-to-middle income households** that cannot be gleaned through administrative data e.g.,:

#### **EMPLOYMENT & FINANCES**

**Self-employment/ platform work**: which is more prevalent among lower-income groups

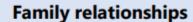


**Considerations** for employment/training decisions

Perceptions on and sufficiency of **Government assistance** 

#### **FAMILY**

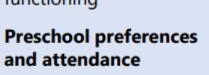
Lived experiences: familial responsibilities caregiving arrangements



**Family resilience** 

#### **CHILDREN**

**Development**: cognitive and behavioural functioning



**Educational aspirations** 



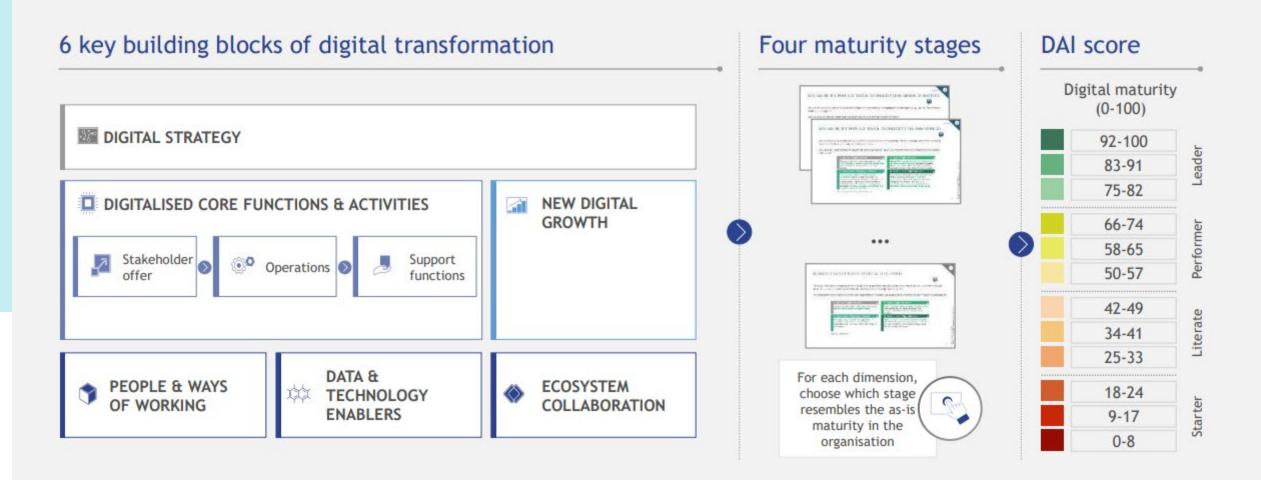
The Nation
Council of
Social
Service

NCSS



### Digital Acceleration Index (DAI) a globally leading assessment

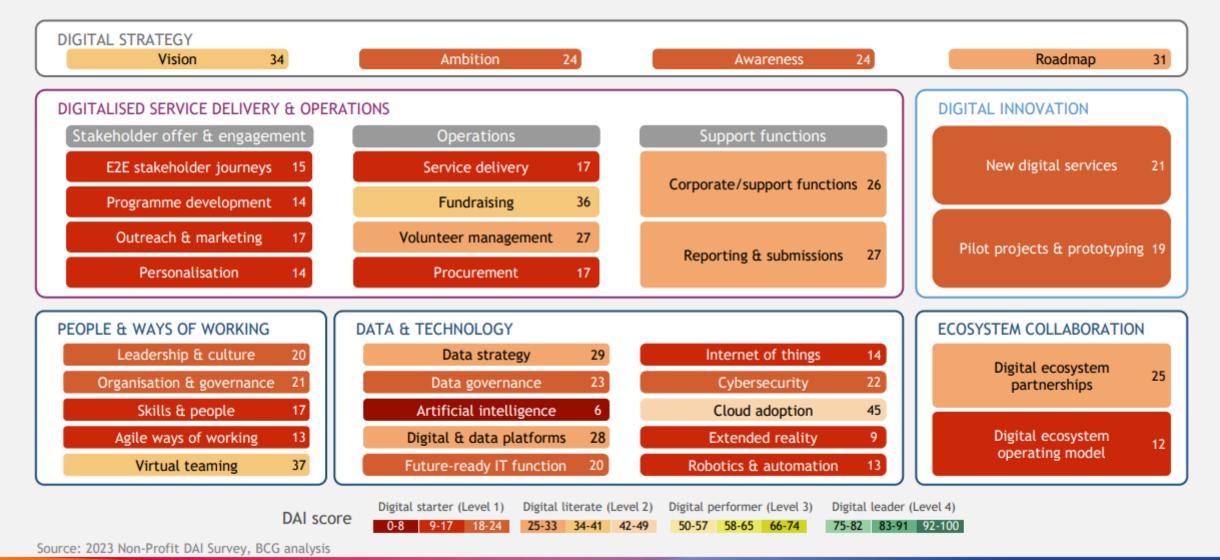
Holistic framework comprising 6 building blocks and 33 dimensions to identify current state of digitalisation and interventions needed towards improvement



Source: Digital Acceleration Index (DAI)

### SG social service sector is at Digital Starter Level in 2023









### Case study: SSA 1 successfully deployed CMS & DMS and streamlined manual processes



E-case mgmt. system

Deployed digital case management system that integrates various modules i.e., referral systems

Transition from a cumbersome manual referral process to a digital system that now accounts for 90% of clients Donor mgmt. system

Launched a donor portal that offers a comprehensive view on donor contributions, incorporating multiuser functionalities

Facilitate efficient financial reconciliations and addressed the prior system's user access limitations Volunteer mgmt. system

Introduced volunteer/ stakeholder portal that integrates CRM functionalities to enhance stakeholder outreach

Streamline outreach efforts and facilitate stakeholder transitions between donor and volunteer roles

#### Where we need support:

- Digital upskilling Uneven adoption of new tools, impacting service delivery and client management
- Lack of bandwidth Frontline staff very stretched and unable to keep pace with the increased workload due to the implementation of new programs
- Digital culture shift Challenges adapting to the digital landscape, with some social workers resistant to new digital tools and processes

"We have heavy workload and limited bandwidth which makes digital adoption and change management challenging."







### 4 common success factors



#### Digitalisation high on the leadership agenda

 Leaders actively championing the digital transformation, ensuring that it is part of the organisation's strategy & roadmap



### Clear link between digitalisation & business outcomes

 Clear articulation of how technology enables them to achieve their strategic outcomes, to convince stakeholders along the journey



### Dedicated team with the right skills & capabilities

 Team empowered with the right capabilities to drive the transformation, enabling clear accountability & ownership



### Close collaboration between technology & business

 Technology & business teams work as partners from the get-go, to ensure buy-in from the ground & eventual utilisation of the tool(s) How can we replicate these success factors across the broader social services sector?







### **SSA Digital Roadmap**

#### **Summary of 5 Focus Areas**

Based on your SSA Digital Roadmap Assessment, your SSA may have checked off the activities in a non-sequential manner across the 3 stages and 5 Focus Areas. It is important to note that this digital roadmap is a guide for your digitalisation journey, and not an inflexible checklist. You should consider the scale, needs and requirements of your agency in using this roadmap.



#### INTERMEDIATE

☐ Integrate new and existing systems ☐ Conduct regular cybersecurity, data protection and IT audits

☐ Enhance processes and implement

the organisation

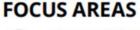
advanced service delivery technology

☐ Enable a holistic view of service users within.

☐ Derive insights through analysis of service user data to enhance the service user journey

#### **ADVANCED**

☐ Adopt business process monitoring solutions to uncover process improvements opportunities





Secure, Integrated Solutions and Infrastructure

#### **FOUNDATION**

- ☐ Review processes and implement foundational and integration-ready solutions
- ☐ Adhere to cybersecurity and data protection baseline requirements
- ☐ Conduct cybersecurity risk, IT risk and data protection compliance assessments
- ☐ Develop an IT incident response and recovery plan



Connected

Community and

**Partnerships** 

- ☐ Streamline processes and implement foundational service delivery technology
- ☐ Capture relevant data on service users and service
- delivery within each agency programme
- ☐ Learn from peers and subject matter experts in the social service community
- ☐ Collaborate with Corporates and Institutes of Higher Learning (IHLs) through CSR-related internships and digitalisation projects
- ☐ Leverage online platforms of ecosystem partners to access digital services, donations, payments etc
- ☐ Utilise data discovery / visualisation tools to derive insights
- □ Develop a data strategy plan

- ☐ Apply human-centred design methodology to improve service for service users
- ☐ Collaborate with other SSAs and ecosystem partners to deliver integrated services
- ☐ Develop mid-to-long term ecosystem ☐ Connect with other SSAs with similar use cases and needs to explore and develop partnerships with commitment from partners to devote digitalisation resources new technology solutions to an SSA for a specific period of time



**Proficiency** 

- ☐ Digitise data and centralise data repository
- ☐ Establish agency-wide data management policies and procedures
- service delivery and service planning ☐ Support service integration and referrals by sharing data with other SSAs and

☐ Utilise advanced analytics to enhance

ecosystem partners



**Digital Talent** and Leadership

- ☐ Appoint digital lead and form IT / digitalisation workgroup and board sub-committee ☐ Acquire workforce digital skills according to roles
- ☐ Develop a digital strategy plan

☐ Build digital-first culture throughout the organisation



# Past efforts were centrally-driven and focused on manpower reduction and productivity gains, particularly with manpower intensive programmes and professions with shortages

### FY14 to FY20

## Moderate manpower demand and improve operational efficiency

via centrally-led projects such as **Tech Booster** and **Back-to-Basics\***, that
increase tech adoption and
process/job redesign for larger SSAs

### FY20 to FY21

### Improve digitalisation baseline and increase service resilience

via the Tech-and-GO! Hub, introduction of pre-scoped/green lane IT solutions, and an Industry Digital Plan for Social Services

### FY22 to FY24

Uplift digital maturity from one level to the next with a focus on service delivery and efficiency

via pilot and pre-scoped service delivery tech, and data and systems standardisation







\*Tech Booster targets manpower-intensive MSF-funded Homes/Centres; Back-to-Basics focuses on use cases of Therapists, Social Workers & Youth Workers.

### **Tech-and-GO!** (FY22 – FY24)



# 2



### **Start Digital**

funds pre-scoped & green lane solutions <Fast Track>

### **Go Digital**

funds non-pre-scoped or largescale corporate function solutions

### **Grow Digital**

funds non-pre-scoped or large-scale service delivery tech solutions

### Desired Outcome

Build **digital foundation** for efficient & resilient operations

Strengthen integrated automation for optimal productivity & security

Enhance svc user experience thru person-centred & integrated digital services

### Tech Subsidy

3-year funding Up to 80% capped at \$150k per SSA (80:50:50)

3-year funding Up to 80% capped at \$300k per project (80:50:50)

3-year funding Up to 80% capped at \$450k per project (80:50:50)

### Consultancy/ Coaching Subsidy

Up to 80% capped at \$50k per project

Up to 80% capped at \$100k per project

Up to 80% capped at \$150k per project



### **New Scheme & Initiatives for FY22-24**

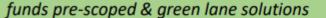
Strategy Areas Initiatives

Initiatives (I) / Schemes (S)

**KPIs** 

Tech	TNG (S)	Overall Scheme Level	
icen	1110 (3)	a. 20% improvement in DAI score;	
People & Know-how	TNG – Consultancy & Coaching (S)	b. 180 SSAs benefitted; and c. 70% of SSAs had achieved at least 20% productivity gain and 70% client/staff	
Sectoral Guide & Innovation	DAI (I) Industry Digital Plan (I) Social Service Data Standards (I) Tech Innovation & Experimentation (I)	Individual Project Level for Schemes*  a. 20% Productivity and/or  b. 70% client/staff satisfaction  c. 4 years to breakeven	

### **Start Digital**





### To further increase adoption, proven tech solutions were green-laned and support provided under Start Digital

### Pre-scoped Vs. Green Lane Solutions

Pre-scoped vs. Green Lane Solution

### Pre-scoped IT Solutions

- Pre-scoped IT solutions from pre-approved vendors.
- Infocomm Media
   Development Authority
   (IMDA) is currently the
   government agency that
   appoint vendors for pre scoped IT solutions that
   are applicable to
   agencies.

VS.

### Green Lane Solutions

- No pre-approved vendors.
   Agencies are free to choose whichever vendor fits their project requirements.
- As IMDA pre-approved IT solutions are targeted at Small and Medium Enterprises, Green Lane Solutions supplement in availing more SSAs and Charities-centric solutions to the sector, where NCSS pre-determines the supportable scope and maximum funding cap per solution.



Screening of vendors and/or solutions by Government



**Baseline Norm cost is established** 



Light touch processing (i.e. single quotation)



List continuously updated according to demand

10



#### Go Digital

funds non-pre-scoped or large-scale corporate function solutions

### Our SSAs are not homogenous and thus some may need bespoke solutions for greater integration and economies of scale

### Enterprise solutions

Relevant for all social service agencies.













Cost competitiveness through comparative quotations



More rigorous assessment to ensure prudence and usage



Inclusion of Breakeven Return on Investment as a KPI



Grater integration, connectivity and economies of scale





# Voluntary Children's Home – XYZ(Sound Sensor x SMART Cameras) – \$100,000 equivalent in time saved per home per annum and scaled across 14 homes

**Synopsis:** NCSS implemented <u>non-intrusive sound sensors with SMART cameras</u> to reduce the number of incidents and investigation time within the home. The technology was scaled to 13 other MSF-funded homes/centres (Disability, Welfare and Children's homes).

#### Issue

### INCIDENT DETECTION & RESPONSE

 Current homes are fitted with analog cameras which are inaccurate, leading to undetected incidents which result in increased risk to residents and staff.

### Solution

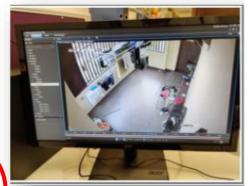
### EMERGENCY SOUND SENSORS (SOUND EYE) WITH SMART CCTV CAMERAS

 A non-intrusive sound sensor is integrated with SMART CCTV to add an additional layer of detection for incidents, and to trigger automated alerts to staff.

### Impact

#### PRODUCTIVITY & SCALING

- 99% reduction in staff time to detect and respond to incidents (average reduction in other homes is about 75%)
- Annual time savings equivalent to \$400,000 (average time savings across other homes is about \$100,000.)







### While progress has been made, our schemes can be simpler, more sustainable and holistic

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### **Principles**



Simplicity vs comprehensiveness

### **User Centricity**

While having many schemes address the myriad of needs in the sector, scheme and design architecture can be made simpler and more user-centric to drive further adoption and effectiveness.



Sustainability of Solutions

### Off-the-shelf over customisation

As manpower and funding are constant constraints, we are pushing for more off-the-shelf solutions (i.e. plug and play), for greater sustainability of solutions in the long run.



Holistic Impact Assessment

### **Beyond Productivity to Client Outcomes**

As technology is an enabler of better services and more effective organisations, we need to evolve our metrics to be more inclusive of impact beyond manpower and time savings.

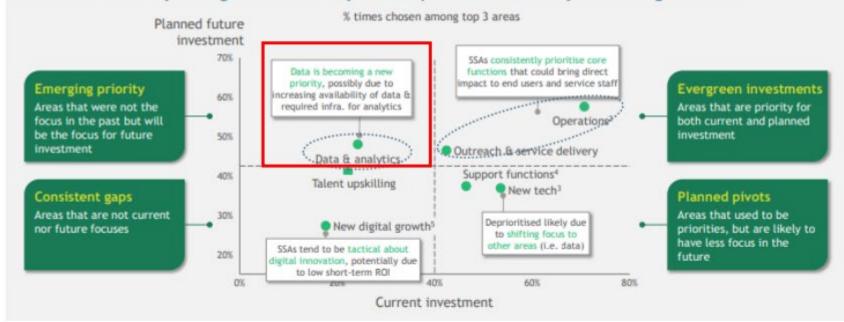


# Uplifting the sector's data proficiency: Better Data Driven Charities (BDDC)

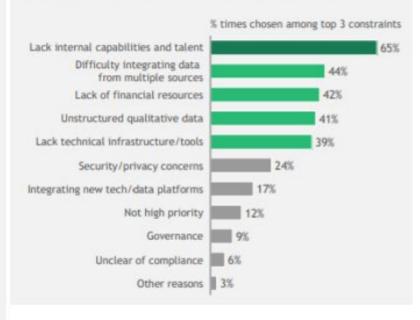
NCSS Sector Digital Transformation
Mar 2024

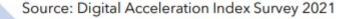
### Core functions to remain as top areas for SSAs' current & future digital investment, while data is emerging as a new focus

In which areas does your organisation mostly invest/ plan to invest in 3 years for digitalisation1?



### Which are the 3 biggest constraints that limit your agency's ability to unleash the full potential of data?





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### Leveraging existing initiatives

Uplift data proficiency in the sector with the Better Data Driven Charities (BDDC) initiative

To emulate Infocomm Media Development Authority (IMDA)'s <u>Better Data-driven</u> <u>Business (BDDB)</u> Programme for SMEs

That was aimed to help more SMEs to use data to **gain deeper consumer insights** and scale up their businesses through responsible use of data

Providing resources

by

 $\rightarrow$ 

SSAs become more data-driven



Achieve better client outcomes and operational objectives

Carefully-curated data templates to generate automated dashboards that can analyse data and provide deeper insights on the 4 shortlisted common use cases

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### Approach and resources provided to SSAs





### Collecting user stories\* from SSAs

\* A user story is an informal, customer-centric explanation of a software feature, detailing how it will deliver specific value to the end user or customer.

Two rounds of User
Acceptance Testing
(UAT) per use case, inperson to validate
visualisations



Hands-on training workshops with vendor for four different use cases



### Consultancy Partnership with Institute of Highter Learning (IHL)

- Support from academic staff for BDDC Consultancy projects and training programme in data analytics and visualisation.
- Customisation of data templates to align with agency needs and selection of relevant charts.
- Evaluation of charts based on contextual requirements.





### To recognise potential high-risk cases and take improvements to close the case

### Case Analysis

To efficiently manage high risk cases in stages, and to provide a structured and coordinated approach to ensure case closure



### **Client Demographic**

- Identifying specific needs, strengths, and challenges of the client, leading to more personalised and effective interventions
- Increases the chances of success and positive outcome

### **Case Management**

To track case outcomes and performance of case workers to track contact logs



### To strategically plan for more successful fundraising campaigns and activities that entice higher donation rate

- Did we achieve the annual donation fund target in selected time frame?
- Which donation channels are the most popular?

- · How many volunteer make regular donation?
- · Can we drill up and down to monthly or annual view?





Evaluate campaign performance to reduce campaign cost which affects total donations received

Identify campaigns that are more effective to better manage and prioritise resources







### To strategically design recruitment campaign, cost effective activities and program to attract and retained volunteer

- · What is the average commitment level of volunteers?
- What is the demopgraphic of some the longest serving volunteers?

Volunteers who live near to serving site tend to serve more frequently. Lower cost of transportation and time

Tapping on volunteer's skillset to plan a beneficial befriending-learning activities

Committed volunteers are more willing to contribute time and make donations to the Agency



USE





Understand employee demographics, engagement levels and productivity to create conducive working environment and design better HR policies

- Are the staff overworked based on their duty roaster?
- What is the lead-time to rehire when there is an opening?
- What is the conversion rate from contract to permanent employment?



Evaluate employee's performance to factor budget and plan for skill upgrading

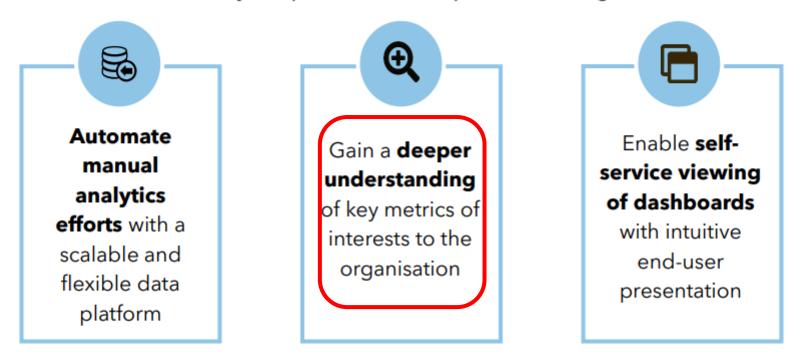
HR team is able to monitor talent development and career advancement



feadcount vs Consecutive 3yrs Grade A by

### SSA's Vision for Data & Analytics

Seek to adopt a modern data and analytics platform to empower our organization with valuable insights.



### **Key pain points to address:**

- Current systems have limitations in their functions and features. e.g., Lack the ability to drill down
  into details, or provide visualisations to better represent data.
- 2. Difficulties in **churning vendors' records and expenses** for auditing purpose
- 3. Difficulties in **analysing the free-text** columns (e.g., Reason of rejection, comments)



## Social Service Agencies

SSAs



# Tech that Cares: How Technology Improves Productivity and Efficiency of Professionals

NCSS Sector Digital Transformation
Mar 2024

IMPORTANT: For internal circulation and intended participants of the HKCSS Delegation Visit from 20-22Mar24 only. No further distribution is allowed without permission from NCSS.

#### **PROJECT BACK-TO-BASICS (B2B)**



#### Enhance Productivity & Job Satisfaction of Therapists, Social & Youth Workers in Social Services

#### **Fully Funded Consultancy and Workshops**

#### **Baseline Study**





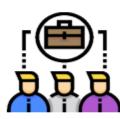
#### Job/Process Redesign Consultancy



## Tech Adoption Consultancy



## Change Management Workshops



#### **Funding Support for SSAs**

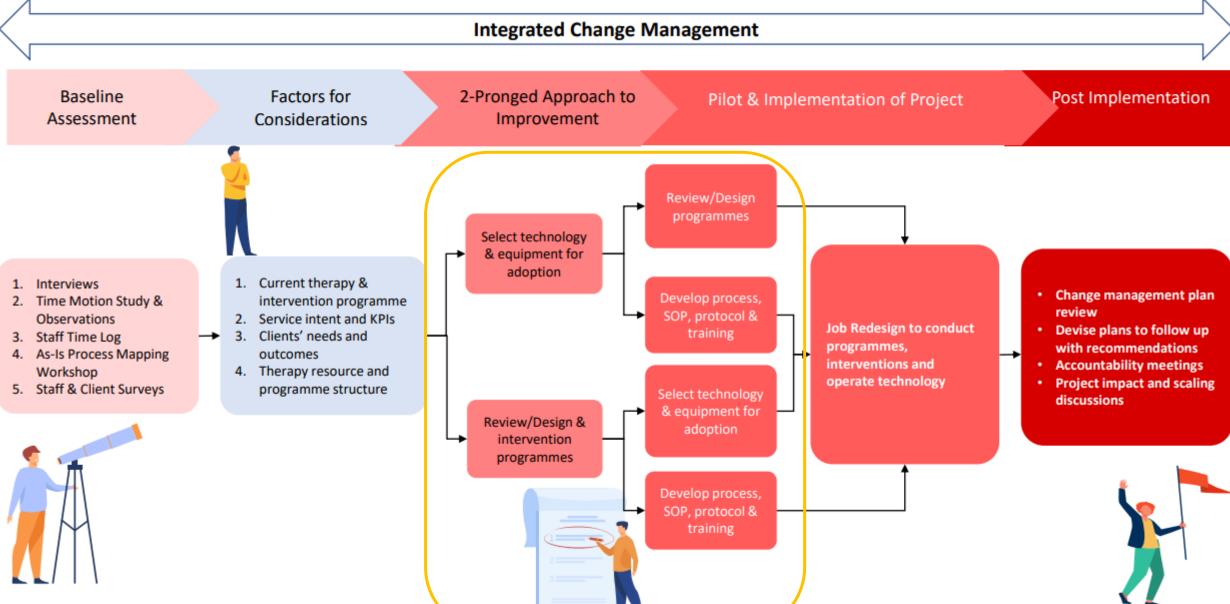
**Tech Subsidy & Role Design** 



#### **Main KPI: Improve productivity**

#### IMPLEMENTATION APPROACH





#### **B2B SOCIAL WORKERS**

#### Use Case - Assisted Case Recording and Analytics



#### Client Impact



Improve client's wellbeing and functioning (e.g. increase resilience manage risk, achieve goal) through enhanced case planning and supervision.

Enhance interventions through case studies and research that can be used in future case planning.

#### **Operational impact:**

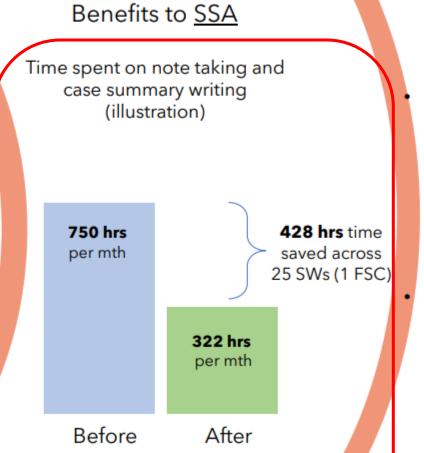
Benefits to <u>SW</u>

- audio case recordings.
- Facilitate data collection and enrich supervision by providing case verbatims.
- Assist in categorising key words into assessment domains.

Improve clinical practices through enhanced supervisory process.

- Automate transcription of

- Help generate insights for better-customised interventions



**Operational impact:** 

**Assisted Case** 

Recording and

**Analytics** 

Transcribe case recordings

(speech or handwriting) and

organise key words into

ssessment categories. Facilitate

supervisory process and case

study/research through

tuational and trending analysis.

<sup>\*</sup> For Assisted Recording only

#### **B2B SOCIAL WORKERS**

#### Use Case - Geospatial Community Outreach



#### **Client Impact**

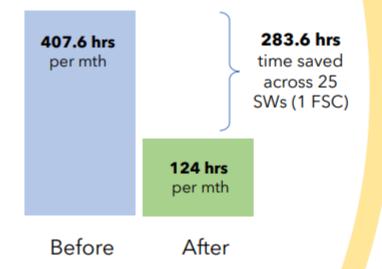


- Enhance social network and empower the community.
- Encourage community initiatives to transition from professional-led to community-led.
- Optimise allocation of resources in the community.
- Uncover new and underserved needs and assets in the community.

#### **Operational impact:**

Benefits to <u>SW</u>

- Improve work coordination.
- Eliminate pen-andpaper tracking.
- Ease of data collection and collation.



Operational impact:

Benefits to <u>SSA</u>

Time spent on community engagement activities (illustration)

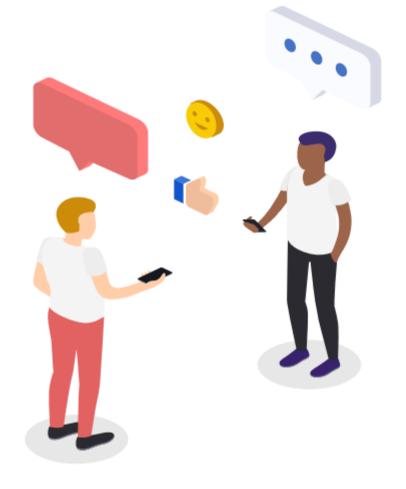
GEOSPATIAL COMMUNITY OUTREACH

Identify community members with high ris

Identify community
members with high risk or
mental health needs, locate
and register community
members/ volunteers as
resources and connect
them with others within
proximity



# "CHANGES FIXES THE PAST. TRANSFORMATION CREATES THE FUTURE"





## Insight & Adoption



## Strategic Role in Digitalization

#### Ministry of Social and Family Development (MSF)

### STRENGTHENING SOCIAL SERVICE DELIVERY VIA:

- SYSTEM CONNECTIVITY
- DATA GOVERNANCE

## The Nation Council of Social Service (NCSS)

#### <u>Accelerating</u> digitalization across Singapore's social service sector

- Digital Acceleration Index (DAI)
- Social Services Digitalisation Playbook (Roadmap)
- Tech-and-GO! (Fund)
- Pre-scoped service delivery tech
- Consultancy & Coaching
- Social Service Data Standards

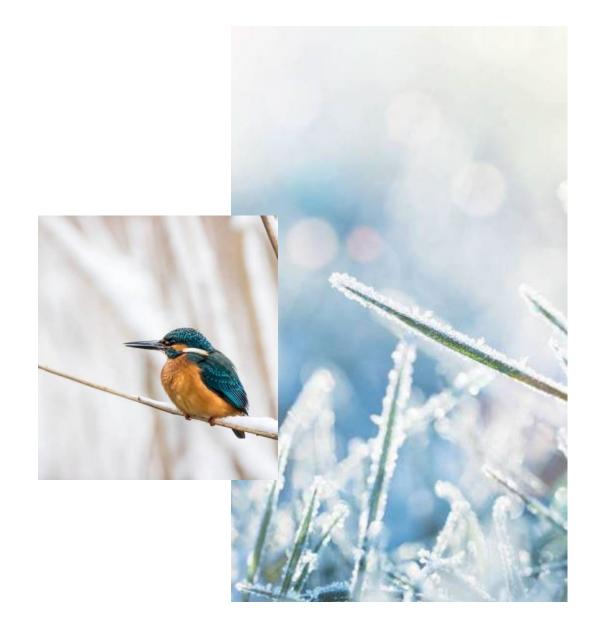
#### Social Services Agency (SSA)

- How Technology Improves
   Productivity and Efficiency
- Implementation of Technology Enabled Therapy Programmes

### **Pre-Scope Solutions**

#### Pareto Principle "80/20 Rule"

- •80/20 Rule: Once you have identified the high-value elements, focus your efforts on optimizing or digitizing those that contribute to approximately 80% of the desired outcomes.
- •Prioritize these activities as they are likely to deliver the most significant results. This allows you to achieve maximum impact with limited resources and time.
- •The key is to identify and focus on the vital few elements that drive the majority of the desired outcomes in the pre-scope system for sector digitalization.





## While progress has been made, our schemes can be simpler, more sustainable and holistic

#### **Principles**



Simplicity vs comprehensiveness

#### **User Centricity**

While having many schemes address the myriad of needs in the sector, scheme and design architecture can be made simpler and more user-centric to drive further adoption and effectiveness.



Sustainability of Solutions

#### Off-the-shelf over customisation

As manpower and funding are constant constraints, we are pushing for more off-the-shelf solutions (i.e. plug and play), for greater sustainability of solutions in the long run.



Holistic Impact Assessment

#### **Beyond Productivity to Client Outcomes**

As technology is an enabler of better services and more effective organisations, we need to evolve our metrics to be more inclusive of impact beyond manpower and time savings.

