

ELDIR: EGAN

Contagious diseases are not a new challenge to business operations, yet the COVID-19 pandemic and its associated restrictions and health guidelines saw the biggest global shift in access management, symptom monitoring, and vaccination rollout in decades.

Eldir: EGAN: Next-generation workforce management solution is designed to tightly manage access and temperature screening protocols.

The solution simplifies the management, monitoring, and record keeping associated with COVID-19. Additionally, the solution is flexible enough to quickly cater for the management of future viral or bacterial outbreaks.

Eldir: EGAN is capable of:

- rapidly processing employees, contractors, and other regular onsite visitors.
- easily capturing and monitoring the required COVID-19 questionnaire data.
- effortlessly capturing and displaying COVID-19 test result data.
- capturing and displaying SARS-CoV-2 vaccination information (and revaccination details should this prove necessary in the future).
- efficiently recording the body temperature of every person through contactless technology.
- automatically escalating any exceptions to the HR department and the employee's manager.
- empowering authorised personnel to take pre-emptive actions before a person enters the property.

The public is already accustomed to providing identification to enter any access-controlled property. Eldir: EGAN takes this concept one step further, modernising the process.

AI Recognition and Thermal Screening

Eldir: EGAN uses facial recognition and thermal detection technology to capture data about the people entering and exiting a property. Employees and frequent visitors are added to the system, thereby speeding up the access process and allowing security and reception personnel to focus on processing new visitors and discreetly addressing anyone who is flagged for additional virus-specific questions.

Integrating facial recognition with thermal screening has multiple advantages over the current, mostly manual, infection screening processes that companies use. While thermal screening is offered as part of the Eldir: EGAN solution, it is not obligatory. The system is designed to operate efficiently using either only facial recognition or facial recognition and thermal screening.

Test and Vaccination Record Keeping

The solution allows employers to capture their employee's medical information, including test results, vaccination information and any other information that will enable pre-emptive actions to be taken before someone enters the property.

All of the information captured on an individual's profile is securely stored and easily referenced with the Eldir: EGAN system.

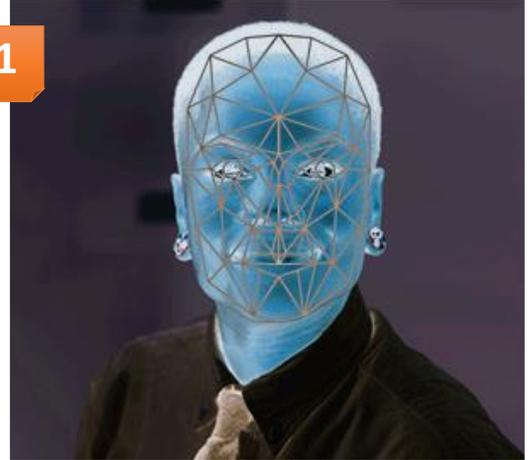


Meet our hypothetical employee, Zola Ndlovu.

AI Recognition and Thermal Screening

1. Employees are enrolled on the system, thereafter the platform will rely on AI recognition to initialise the employee's profile and record their temperature against their COVID-19 profile. The system will flag employees with outstanding or positive test results, or with temperature reading that fall outside of acceptable thresholds, and, and the employee may be refused entry.
2. If an employee is cleared to enter, they are sent an SMS from the system with a hyperlink to the company's online COVID-19 questionnaire. Employees can quickly complete and submit the online form without entering their contact details again. Results from the self-declaration form are securely stored for future reference.
3. As with employee enrolment, the visitor enrolment form captures each visitor's name, email address, telephone number, and ID number, along with a photograph of the visitor's face.

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Zola Ndlovu Visitor Self-Declaration

Confirm that you have not returned from any foreign country in the last 14 days?

Confirm that you have not had any contact with or cared for someone diagnosed with COVID-19 in the last 14 days?

Confirm that you have not been in close contact with anyone who has travelled to foreign countries in the last 14 days?

Confirm that you have not experienced any cold or flu-like symptoms in the last 14 days (to include fever, cough, sore throat, respiratory illness, difficulty breathing, muscle pains, chills, loss of smell or taste)?

Confirm

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Visitor Enrolment Questionnaire



Firstname

Email

Id Number

Lastname

Number

Webcam



HP HD Camera

Start

Take Photo

Photo



Submit

Test and Vaccination Record Keeping

1

Employee Covid-19 Profile

Employee's Details			
First Name	Last Name	Mobile Number	Email
Zola	Ndlovu	+27775558719	zolan@wonderland.com

Employee's Thermal Details	
Date Of Reading	Temperature
2020-08-21	35.5
2020-08-18	35.5
2020-08-15	35.4
2020-08-11	36.0
2020-08-05	36.3

Employee's Questionnaire		
Date Of Questionnaire	Question	Answer
2020-09-01	Confirm that you have not returned from any foreign country in the last 14 days?	True
2020-09-01	Confirm that you have not had any contact with or cared for someone diagnosed with COVID-19 in the last 14 days?	True
2020-09-01	Confirm that you have not been in close contact with anyone who has travelled to foreign countries in the last 14 days?	True
2020-09-01	Confirm that you have not experienced any cold or flu-like symptoms in the last 14 days (to include fever, cough, sore throat, respiratory illness, difficulty breathing, muscle pains, chills, loss of smell or taste)?	True
2020-09-01	I confirm that I have received and consented to the NEC XON Privacy Notice Statement.	

Employee's Covid-19 Tests			
Date Of Test	Result	Date Of Result	Comments
2020-09-01	Negative	2020-09-02	Employee showed symptoms of Covid-19 and sent her for a test.

Employee's Vaccination		
Date Of Vaccination	Institution	Comments
2020-09-01	De Wilgers Hospital	The employee received a vaccination for Co

1. Eldir: EGAN builds a full COVID-19 profile for each employee, including:
 - Daily Temperatures
 - Questionnaire results
 - Test results
 - Vaccinations
- If an employee tests positive for COVID-19, a report can be quickly and easily generated to find out which other staff members were in attendance on the same days as the infected employee. The company can then send a COVID alert to only those employees.

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2. The Eldir Verify App enables:
 - Managers to identify employees using facial recognition technology.
 - To block potentially infected employees from entering the building until their test results are received.

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Employee Verification

60001

Zola Ndlovu

Not Blocked

Last Covid Screening
2020-08-21 : Pass

Last COVID-19 Test
2020-08-01 : Negative

Lastest Temperature
2020-08-21 : 35,5 C

MANAGER

UNBLOCK **BLOCK**

-26,142 27,915

937858b4b545cdf

Test and Vaccination Record Keeping

3

#13
Employee COVID-19 Profile
 Process Employee Covid-19 Tests & Results Group Human Resources Version 1.0

Date: 02/09/2020 Name: Site Administrator

Select an employee to view, update or add a new Covid-19 test

Select an employee

First Name: Zola Last Name: Ndlovu Mobile Number: +27775558719

Employee Photo



Employee Temperature Details

Employee's most recent temperature readings

Date Of Reading	Temperature
05/08/2020	35.5
16/07/2020	35.5
01/07/2020	35.4
07/07/2020	36.0
30/06/2020	36.3

4

Select a date to add a new Covid-19 Test

Date of COVID-19 Test:

Comments:

Update the individual rows to make changes to existing

Previous Employee Covid-19 Tests & Results

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#14
Employee Covid-19 Vaccination Details
 Process Employee Covid-19 Tests & Results Group Human Resources Version 1.0

Date: 02/09/2020 Name: Site Administrator

Select an employee to capture a new vaccination

Select an Employee

First Name: Zola Last Name: Ndlovu

Employee Photo



Complete the fields below to capture a new vaccination

Date Of Vaccination * Institution *

Previous submitted vaccinations

Existing Vaccination

Date Of Vaccination	Provided Institution	Provided Comments
01/09/2020	De Wilgers Hospital	The employee received a vaccination for Covid-19 on the 1st of September after testing positive for COVID-19

Submit Reset

- Eldir: EGAN allows business to centrally manage each employee's COVID-19 profile.
- Detailed date and time records allow companies to isolate the employees who need to be contact in the event of a COVID incident occurring.
- Centrally maintain each employee's COVID-19 vaccination profile.