matters

Al-based robots deployed to boost agri output

Smart agriculture is increasingly being employed in Japan, arousing expectations that producers will be able to entrust artificial intelligence with more labor-intensive tasks to alleviate severe manpower shortages.

Large-scale greenhouse farmers are leading the way, having begun to use AI-equipped robots developed by venture businesses in ways that seem, more or less, to change the future shape of cultivating and harvesting agricultural

green leaves of a plastic crops. greenhouse at a farm in Hanyu, Saitama automated cucumber company in Kamakura,

gathering only the ripest cucumbers.

"We were initially might cut off the cucumber stems, but it moves accurately," said Takeshi Yoshida, head of the farm called Takamiya No Aisai. "We expect much out of the robot now that labor is in such short supply."

The firm is operated by a subsidiary of Takamiya Co, which manages agricultural greenhouses and other facilities, while the robot was developed by startup Agrist Inc. and uses In September, a four- a camera and AI to wheeled AI robot slowly determine if it is the rolled through the lush right time to harvest

Prefecture, eastern Japan, harvester from Agrist, which has been developing harvesting robots since its founding in 2019 in afraid that the robot the southwestern Japan

> prefecture of Miyazaki. The robot checks the size of cucumbers based on images it captures from a camera mounted on the robot, recognizing ripe ones and cutting off one to three spheres roughly every two minutes before placing them in a case.

The robot also accurately positions its arm vis-a-vis cucumbers so as to avoid damaging their stems.

The startup hopes that, with more success, other farms will adopt systems of this kind. Inaho Inc., an

The farm leased the agricultural venture



an AI-equipped robot to a farm in the Netherlands. It can automatically pick cherry tomatoes in bunches or individually, depending on the mechanism employed.

As tomatoes bunch around the leaves and stems, harvesting robots mechanism, making it costly when developing ones that can carry out the entire process.

Inaho has therefore developed a robot that reaps some 40 percent of matured tomatoes at for harvesting by humans during the daytime.

Starting with the Netherlands, which is an agri-food powerhouse, Inaho hopes to export its smart agriculture technology around the

It is pertinent to note that the United

NAME CHANGE

Residing at 48 & 49, F3, As-

pire Apartments, Munusamy

Street, Venkateswara Nagar,

Virugambakkam, Chennai

600092, have Changed my Mi-

nor Son's Initial, G.VISVESH,

Date of Birth 11.04.2014,

Henceforth he Shall be Known

as G.VISVESH instead of

NAME CHANGE

My Son, SURESH MITHUN,

Date of Birth 04.01.2010, Re-

M.VISVESH.

V.GEETHA, D/O.P.VELU,

How is AI used in farming?

AI algorithms can analyze the chemical composition of soil samples to determine which nutrients may be lacking. AI can also identify or even predict crop diseases. AI in irrigation is useful for identifying optimal patterns and nutrient application times, while predicting the optimal mix of agronomic products

AI driven India soon

AI can help detect field boundaries and bodies of water to enable sustainable farming practices, improve crop yields, and support India's 1.4 billion people and the rest of the world.

Examples of artificial intelligence on farms include self-driving tractors and combine harvesters, robot swarms for crop inspection and autonomous sprayers

Brazil, one of the world's largest agricultural producers, is also adopting AI in its agriculture sector. The country is using AI to monitor crops, manage resources, and predict yields. Companies like Strider, a Brazilian AgTech company, are using AI to help farmers manage pests and diseases.

at the forefront of AI \$250 billion invested

States and China remain since 2013 with nearly

investment, with the in 4,643 companies former leading overall cumulatively NAME CHANGE NAME CHANGE GOVINDASAMY S/O.

SURESH MAHESWARI W/C PARTHASARATHI, Residing Manepalli Krishnan Suresh, Date at No:4/179, Kulakkarai Street, of Birth 16.03.1973, Residing at Orathy, Kanchipuram, Pincode Old No:46, New No: 97, Poes 603 307. Changed My Minor Road, Teynampet, Chenna Son's Name: Old Given Name: KRISH, Old Sur Name: GOVIND, 600018 Shall henceforth Date of Birth 07.11.2017, Shall be Known as **MANEPALL**I henceforth be Known as SURESH MAHESWARI New Given Name: KRISH, New

SURESH MAHESWARI

Hardware key to success of neuromorphic computing

Technology is edging closer and closer to the super-speed world of computing with artificial intelligence. But is the world equipped with the proper hardware to be able to handle the workload of new AI technological breakthroughs? "The brain-inspired

codes of the AI revolution are largely being run on conventional silicon computer architectures which were not designed for it," explains Erica Carlson, 150th Anniversary Professor of Physics and Astronomy at Purdue University.

A joint effort between Physicists from Purdue University, University of California San Diego Supérieure de Physique et de Chimie Industrielles (ESPCI) in Paris, France, believe they may have discovered a way to rework the hardware.... By mimicking the synapses of the human brain. They recently published their findings "Spatially Distributed Ramp Reversal Memory in VO2".

New paradigms in hardware will be necessary to handle the complexity of tomorrow's computational advances.

TULSYAN NEC LIMITED

Chennai - 600 034. Phone: 044 - 6199 1060.

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Website: www.tulsyannec.in CIN No.: L28920TN1947PLC007437

Extract of Unaudited Standalone and Consolidated Financial Results for the Quarter and

Six Months ended September 30, 2023 under Ind AS



theoretical scientist of this research, "neuromorphic architectures hold promise for lower energy consumption processors,

recognition." Neuromorphic architecture basically behavior. Neurons are cells in the brain that transmit information. Neurons have small gaps at their ends that allow signals to pass from one neuron to the next which synapses encode memory. This team of scientists concludes that vanadium

both artificial neurons and synapses.

"The dissonance between hardware and software is the origin enhanced computation, of the enormously fundamentally different high energy cost of computational modes, training, for example, native learning and large language models enhanced pattern like ChatGPT," explains Carlson. "By contrast, neuromorphic architectures hold promise for lower boils down to computer energy consumption by chips mimicking brain mimicking the basic components of a brain: neurons and synapses. Whereas silicon is good at memory storage, the material does not easily lend itself to neuron-like behavior. Ultimately, to are called synapses. In provide efficient, feasible biological brains, these neuromorphic hardware solutions requires research into materials with radically different oxides show tremendous behavior from silicon promise for neuromorphic -- ones that can naturally computing because they mimic synapses and According to Carlson, lead can be used to make neurons. Unfortunately,

needs of artificial synapses and neurons mean that most materials that make good synaptors fail as neuristors, and vice versa. Only a handful of materials, most of them quantum materials, have the demonstrated ability to do both." The team relied on a

recently discovered type of non-volatile memory which is driven by repeated partial temperature cycling through the insulatorto-metal transition. This memory was discovered in vanadium oxides.

Alexandre Zimmers, lead experimental scientist from Sorbonne University and École Supérieure de Physique et de Chimie Industrielles, Paris. explains, "Only a few quantum materials are good candidates for future neuromorphic devices, i.e., mimicking artificial synapses and neurons. For the first time, in one of them, vanadium dioxide, we can see optically what is changing in the material as it operates as an artificial synapse. We find that memory accumulates throughout the entirety of the sample, opening new opportunities on how and where to control this property."

"The microscopic videos show that, surprisingly, the repeated advance and retreat of metal and insulator domains causes memory to be accumulated throughout the entirety of

Net Profit / (Loss) for the period

Net Profit / (Loss) for the period before ta:

(after Exceptional and/or Extraordinary items#

pefore Tax, Exceptional and/ or Extraordinary items#

Reserves (excluding Revaluation Reserve) as shown in the Audited Balance Sheet of the previous yea

Total Comprehensive Income for the period (Comprising Profit / (Loss

Earnings Per Share (of Rs. 10/- each) (for continuing and discontinued operations

ERP SOFT SYSTEMS LIMITED

10A, Tranquil Nest, 3rd Main Road, Kamakoti Nagar, Pallikaranai, Chennai – 600100 | CIN:L67120TM1994PLC029563

EXTRACT OF THE UN AUDITED CONSOLIDATED RESULTS FOR THE QUARTER ENDED 30.09.2023

the competing design the sample, rather than only at the boundaries of domains," explains Carlson. "The memory appears as shifts in the local temperature at which the material transitions from insulator to metal upon heating, or from metal to insulator upon cooling. We propose that these changes in the local transition temperature accumulate due to the preferential diffusion of point defects into the metallic domains that are interwoven through the insulator as the material is cycled partway through

NAME CHANGE

MANAPPALLI KRISHNAN S/O. Manappalli Narayanaswamy Krishnan, Date of Birth 18.01.1968 Residing at Old No:46, New No: 97, Poes 600018 Shall henceforth be Known as MANEPALL KRISHNAN SURESH MANAPPALL

KRISHNAN SURESH

NAME CHANGE A.Humaira Sanofer, Husband Name: Nasar Shareef, Date of Birth: 14.8.1988, Residing at No.158/50 Pattinather Street New Kamraj Nagar Vyasarpadi, Chennai 600039. Shall hence forth be known as HUMAIRA SANORER NASAR SHAREFE A.Humaira Sanofer

NAME CHANGE

Asha Sendhil Kumar, W/O Sendhil Kumar, Date of Birth 25.11.1985, Residing at F1 Avappan's Shree Flats No 32, Bharathiyar street, Senthi Nagar, Thirumullaivoil, Chennai 600 062. Shall hence forth be Mohideen Given name: Asha Surname: Ajji Mohideen

6.25

4.63

396.00

Asha Sendhil Kuma

42.80

31.22

396.00

1365.53

30.09.2022

7.51

5.56

5.56

396.00

K. Parvath

siding at Old No:46, New No: 97, Poes Road, Teynampet, Chennai - 600018 Shall henceforth be Known as MANEPALLI SURESH MITHUN Manepalli Krishnan Suresh, NAME CHANGE S K PRIYANKA 05/01/2000 Birth: Chennai) at No.8/19, Gandhi Street Madipakkam the transition." Tamilnadu-

NAME CHANGE

AVERIL DAWN LLOYD, W/O. Mr. Raymond Albert Douyere, Date of Birth: 09.09.1978, Residing at No: 10-A, J. J 600060. Shall henceforth be Known as AVERIL DOUYERE

shall henceforth be known

Surname : KIRUBANANTHAN

AVERIL DAWN LLOYD

residina

PRIYANKA

S K PRIYANKA

NAME CHANGE Old Sumame: Abubackar, Old Given name: Yaser Arfath, S/o. Anser Ahmed, Date of Birth: 06.05.1983, residing at No.51/56 Vellore District Nadu shall hence he. New Sur name: ABUBAKKAR, New Given name: YASER ARFATH S/O. Ansar Ahmed Abubakkar

Old Surname: Abubackar Old Given name: Yaser Arfath

NAME CHANGE

Mohammed Nasa MD Date of Birth Yusuf, 04.11.1993, Residing a No.3/228 (3) Pandiyan Salai Neelankarai, Chennai 600 041 Shall henceforth known

Mohammed Nasar Mohammed Yousuf

MD Yusu

NAME CHANGE

Musthaba Sheik Mohamed S/O. Sheik Mohamed, Date Residing at 29/03/1961. No.2/8, Old No.99/2, Dr.Besant Royapettah, -600014. Shall henceforth known Mohamed Musthaba Sheik Mohamed

> Musthaba Sheik Mohamed

NAME CHANGE My Son, M.SAI VISHVESH,

Swaminathan Balaraman. Date of Birth: 15.05.2014 Residing at No.7/3, Vedavillas 1st Lane, Baroda Street West mambalam. Chennai known as VEDANTRAYAR SWA MINATHAN

Mothe

Notice is hereby given that I

Mr.Rajamani S/o Muthusamy

misplaced my property parent form 4

Patta. The same has been given by

Zonal Deputy Thasildar, Natham

Scheme, Kalasapakkam bearing

Patta No.410 situated at New SF. No

443/11 Old SF.No:131/54 ir

Padagam Village in the name

Mr.Muthusamy, S/o.Mannugoundar

If anybody finds, they are requested

to return it to the below address. And

now the property mentioned in the

above to be mortgaged to

M/s.Mahindra Rural Housing

Any person having claims, objections

regarding mortgage, charge or

otherwise are requested to inform

the same to M/s. Mahindra Home

finance, No 480, 4th Floor,

Khiyarai Complex - II. Anna

Salai, Nandanam, Chennai 600 035

within 7 days from the date of the

notice. If not such an objection or

claim is received within the period, the

property would be mortgaged to

M/s.Mahindra Rural Housing Finance

Ltd., By, Mr.Rajamani

S/o.Muthusamy, Padagam Village

District Town and Country Plarning, Mamallapuram Local Planning Authority, Chengalpattu District. Roc No.3505/2023/MLPA (CD-5)

Reclassification District Town and

M/s. Mahindra Rural Housing Finance Ltd.

No.480, 4th Floor, Khivaraj Complex - II

Anna Salai, Nandanam, Chennai 600 035

Kalasapakkam Taluk.

15th November 2023

SURESH KARISHMA. D/C Manepalli Krishnan Suresh, Date of Birth 02.06.2003, Residing a Old No:46. New No: 97. Poe: Teynampet, Chenna Shall hencefort be Known as MANEPALL SURESH KARISHMA

NAME CHANGE

Sur Name: GOVINDASAMY

SURESH KARISHM

NAME CHANGE MANICKAM MANI, S/o

Date of Birth: No. 28, South Street Kolliruppu, Melakuppan Vridhachalam Taluk 607802. Cuddalore henceforth be Given name : MAN Surname : MANICKAM

MANICKAM MANI

NAME CHANGE Old Given Name: Mohame

Sali, DATE OF BIRTH: 15/06/196 residing at Old No. 04. New No. 07 Ayyasamy Street, Anna Salai. Chennai eoo ooz, Tam Nadu. Shall henceforth be know NEW GIVEN NAME: ABDUL KAREEM.

Old Given Name

Mohamed Abdul Karee

NAME CHANGE y Son, Old Given Name ABISHEK ATHREYA, Old ur Name: Date of Birth

Sur Name: Date of Birth 02.04.2006, Residing at Ok No.24/1, New No.6, Krishnamurthy Street West Mambalam, Chennai Shall henceforth b 600 033. known as New Given Name: ABISHEK ATHREYA, New Sur

ame: GOPALAKRISHNAN Gopalakrishnan.D

NAME CHANGE SRIRAMRAO SRINIVASAN

S/O: Srinivasan, Date of Birth 09.04.1994, Residing at No 859, 36th Street, TNHB, Korattui Chennai - 600080. henceforth be known as SRIRAMRAO RAMDEV

SRIRAMRAO SRINIVASAN

and Panchayat Union, Muttukadu Panchayat and Village, Survey No: 10/1A, 1B, 2: 13/1A, 1B, 1C, 2A, 2B, 15/1A and 15/1B -Total area 1.50 Acre (6100.00 sq.m) are classified as Agricultural Use Zone as per Approved Mamallapuram Local Planning Authority Area Master Plan in G.O.Ms.No.153, Housing and Urban Development Department [UD4(2)] dated 20.06.2013. The Land owner of the above have submitted an application to the Government to reclassify the above land from Agricultural Use Zone into Residential Use Zone Hence, if anybody convey in person or sent through by post within the 30 days to the following Address:

Address:
Office of the Assistant
Director/Member Secretary,
District Town and Country Planning.
124, G.S.T. Road, Municipal Chengalpattu District - 603 001.

Assistant Director/ Member Secretary, Mamallapuram Local Planning Authority District Town and country Planning Chengalpattu District

Date: 15.11.2023

PUBLIC NOTICE

M/s.Madha Fabs, Regd.Office & factory unit at No.8, Golden Industrial Estate Main Road, Sri Lakshmi Nagar, Mugalivakkam, Chennai - 600125 of its partner and property owner Thiru J.Anto Shebin reportedly have misplaced the Registered Duplicate Copy of the Sale Deed dated:10.08.2009, Doc.No. 1823/2009 on the file of the SRO, Alandur, executed by Mr.D.Ranganathan 8 Mr.R. Harish in favour of Mr.N. Ganesan & Tmt G. Lalitha, relating to the property at Flat No.S1, Second Floor, having a super plinth area of about 990 sq.ft with undivided share of 621 so ft land at Plot no:4. First Street, Kanniga Colon Nanganallur, Chennai-600061 comprised in Survey No.61/4A, as per TSLF Extract T.S.No.68, Ward D, Block 12, Survey no.61/4L1 part, Thalakkananchery Village, Alandur Taluk, Chennai District owned by Mr J.Anto Shebin, as it could

TIIC Ltd., Chennai Branch has proposed to take the said property as collatera security for Term loan sanctioned to M/s.Madha Fabs. If anybody has objection, kindly inform the same in writing within 7 days from this date to our Corporation with relevant documents and proof, otherwise it is constructed that no encumbrance on the said property and the property will be taken for mortgage by our Corporation.

> **Tamilnadu Industrial Investment Corporation Limited** No.692, Anna Salai, Nandanam, Chennai -600 035 Phone 044-48529516 - Mobile no:94450 23463

Branch Manager

			Standalone			Consolidated		
SI. No.	Particulars	Quarter ended September 30, 2023 (Unaudited)	Year to date figures September 30, 2023 (Unaudited)	enaea	Quarter ended September 30, 2023 (Unaudited)	Year to date figures September 30, 2023 (Unaudited)	Previous quarte ended September 30, 2022 (Unaudited)	
1.	Total Income from Operations	25,150.89	49,696.65	22,664.09	26,189.45	49,771.39	25,239.27	
2.	Net Profit/(Loss) for the period (before tax and exceptional items)	(57.36)	(1,315.05)	(195.36)	(71.22)	(1,287.06)	(310.89)	
3.	Net Profit/(Loss) for the period before tax (after exceptional items)	(57.36)	(1,315.05)	21,710.80	(71.22)	(1,287.06)	21,595.27	
4.	Net Profit/(Loss) for the period after tax (after exceptional items)	(57.36)	(1,503.98)	21,710.80	(71.22)	(1,475.99)	21,595.27	
5.	Other comprehensive Income (net of tax)	12.19	8.04	(14.10)	12.19	8.04	(14.10)	
6.	Total comprehensive Income for the period [comprising Profit/(Loss) for the period (after tax) and Other comprehensive Income (after tax)]	(45.16)	(1,495.94)	21,696.71	(59.03)	(1,467.95)	21,581.17	
7.	Equity Share Capital (face Value of Rs.10 per share)	1,655.13	1,655.13	1,471.38	1,655.13	1,655.13	1,471.38	
8.	Reserves (excluding Revaluation Reserve) as shown in the Audited Balance Sheet of the previous year							
9.	Earnings Per Share (of Rs.10/- each) (for continuing and discontinued operations)							

www.bseindia.com, on the Stock Exchange where the Company's shares are listed and on the website of the Comp The previous year figures have been regrouped/re-classified wherever necessary

for Tulsyan NEC Limi Sanjay Tulsyan Managing Director DIN: 00632802

Requirements) Regulations, 2015. The standalone unaufdted quarterly results are - Turnover Rs 62.03 Lakhs . Profit before tax is Rs 3.20 Lakhs & profit after tax is Rs 2.37 Lakhs . The full format of the Quarterly Results are available on the websites of the Stock Exchange and the Company's website (www.erpssoft.com). The above unaudited standalone & Consolidated Financial results after Limited Review Report by the statutory auditors of the company were approved by the Board of

The above is an extract of the detailed format of Quarterly Financial Results filed with the Stock Exchanges under Regulation 33 of the SEBI (Listing and Other Disclosu