

TPRS GLASS

TRUST
TPRS TO
EXPLORE GLASS

www.tprsenterprises.in



Trust TPRS to explore Glass

TPRS GLASS (SINCE 2005)

TPRS GROUP



Chairman – Mr. S. Sundaravel B.E., M.B.A., DIL



HIGHLIGHTS

TRUST TPRS TO EXPLORE GLASS

Glass Processing Perseverance
Started by 1995

26
years

1.5
billion

Yearly INR Turnover
From 5 Plants

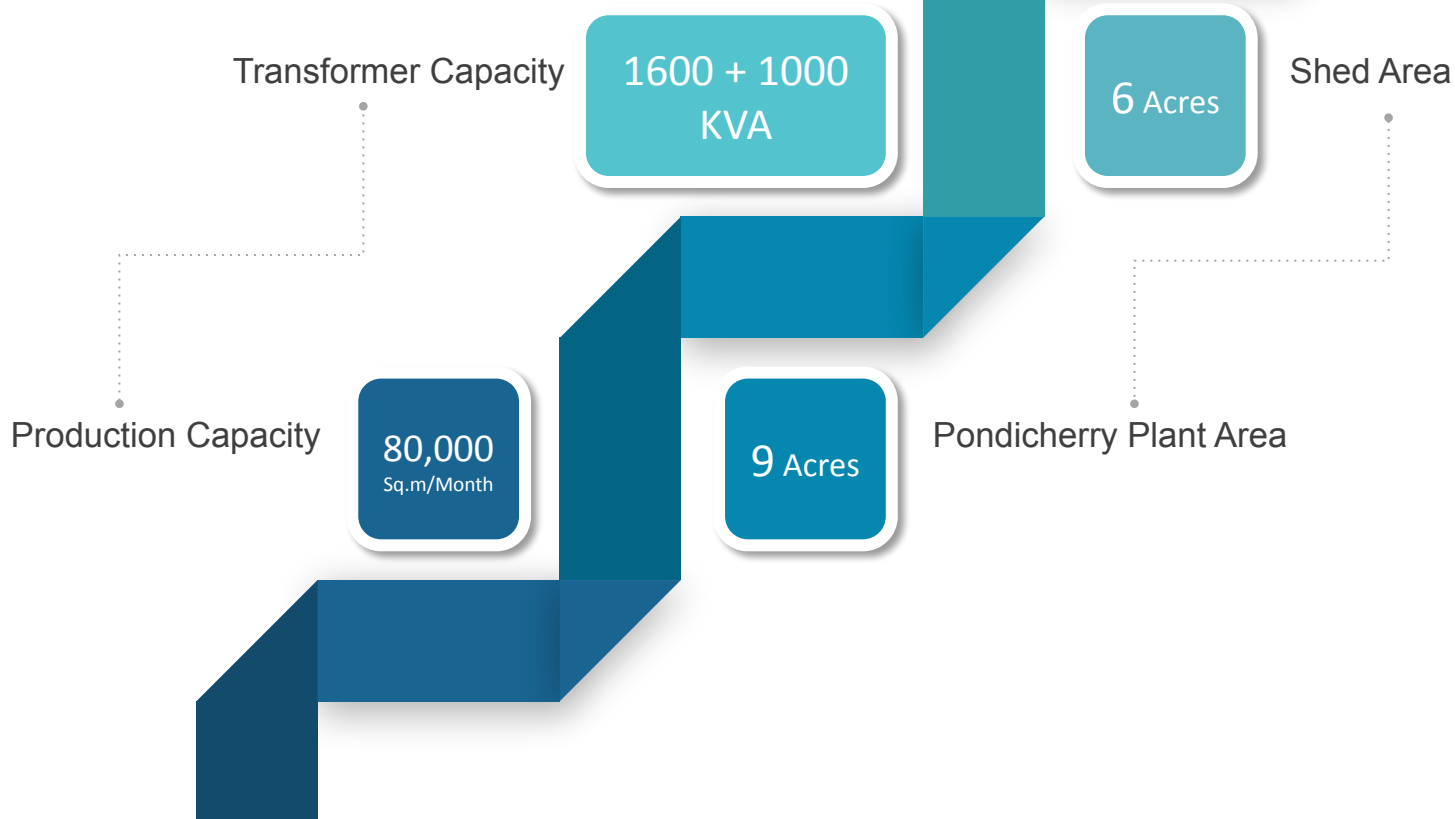
Direct Team Members
(Inclusive of 100+ women members)

1000+

60+

Iconic Customers
Including overseas tie-up

CAPACITY : UNIT – 1



SAINT GOBAIN ASSURED QUALITY

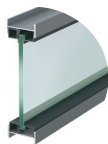
- We are validated for entire range of performance glasses of Saint Gobain
- TPRS holds all low E performance glass of Saint Gobain
 - Planitherm (PLT)
 - Nano (KT)
 - Nano Silver (KS)
 - Envision (SKN)
 - Xtreme
- We have done projects in all the above mentioned glasses



TPRS GLASS (SINCE 1995)

FIRST SAINT GOBAIN CO-BRANDED COMPANY

TPRS PRODUCTS



TPRS TUFFSAFE

- Bend
- Beveling
- Toughened / HS
- Solar glass



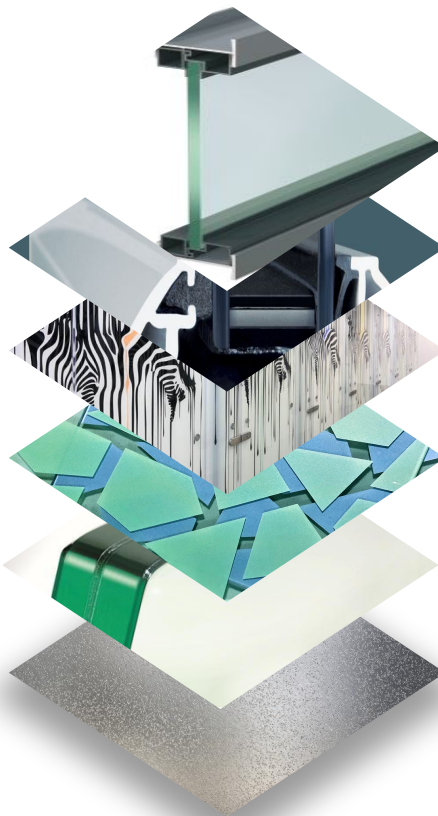
TPRS ECOSAFE

- DGU with Blinds
- Lamination-DGU
- Georgian Bars
- Custom Shapes



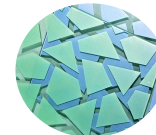
TPRS INNOVINK – DIGITAL PRINTING

- Textures
- Patterns
- Translucent
- Photo-realistic Images



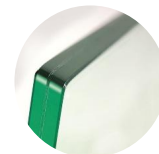
TPRS INNOVINK – SERIGRAPHY - SCREEN

- Anti Skid
- Gradation
- Any RAL colors



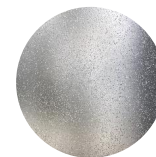
TPRS LAMISAFE

- Special Lamination (ModDwell Interiors)
- Acoustics
- Colored Glass
- Archsafe (Curved Glass)
- WizardGlass



TPRS DESIGN GLASS

- Satin Etching
- Sand Blasting
- Colour Series
- Shade Series
- Print Series
- Pattern



PRODUCTION CAPABILITIES

Lamination

12,000 Sq. Meters + of glass per month

Upgraded technology with dust-free clean room (100,000 class) and auto-rewinding and motorised PVB pulling structure to protect the PVB's quality while laying on glass

IGU

(Two Processing Lines)

12,000 Sq. Meters + of glass per month

Specialized in processing intricate shapes and designs – Bend IGU - Step Glazing and triple glazing also available

Robotic Sealant facility for insulating panels – ensuring smooth and aesthetically superior glazing finish

Printing

(Three Processing Lines)

20,000 Sq. Meters + of glass per month

Four processing lines for screen printing.

Digital Ceramic Printing on glass using world's prestigious (Ferro DIPTECH Gpi) digital printing machine.

Processing line

(Four Furnaces, Forvet Machine
Seamer Machine)

Forvet Machine for rapid and precise drilling and milling

Seamer Machine for automatic grinding

Water Jet machine for precise cutting of unique shapes

Capacity :

Maximum lamination of

2300 mm × 4700 mm with PVB /
SentryGlas® – Double / Multi layer

2400mm x 5000mm with EVA – Double /
Multi layer

Capacity :

2400 mm × 4700 mm

Capacity :

Maximum size for screen printing :

2400 mm × 3800 mm

Maximum size for digital printing :

2400 mm × 4700 mm

Forced convection based tempering lines

Heat soaking facility to ensure the best
toughened glass



AUTOMOBILE SEGMENT (since 1995)

3000 buses per month

6+ Lakhs buses till date

ARCHITECTURAL SEGMENT (since 2008)

5 Million SQM till date

50,000 SQM / month



HIGHLIGHTS



ELEVATORS & ESCALATORS (since 2017)

40,000 Lift doors till date

2000 Lift doors per month

TPRS LAMISAFE

LAMINATION CAPABILITIES

- ❖ Customized bend lamination
- ❖ SGP interlayer for effective impact resistance
- ❖ TPRS Wizard glass – Switchable glass
- ❖ Color and transparent laminated panels
- ❖ Mesh laminated panels

CAPACITY :

Maximum lamination of

2300 mm × 4700 mm with PVB / SentryGlas® – Double / Multi layer

2500 mm x 5000 mm with EVA – Double / Multi layer

12,000 Sq. Meters + of glass per month

Upgraded technology with dust-free clean room (100,000 class) and auto-rewinding and motorised PVB pulling structure to protect the PVB's quality while laying on glass



TPRS WIZARDGLASS

WIZARDGLASS CAPABILITIES

- ❖ Interior / Exterior colored PDLC
- ❖ Color Wizardglass
- ❖ Fabric textured Wizardglass
- ❖ Concept printed Wizardglass
- ❖ Pattern Wizardglass
- ❖ Integrated design & Technical materials

CAPACITY :

Maximum wizardglass size

1400mm X 2500mm - within 1:3 Ratio

1800mm X 3600mm - on special request

3 watts/sqm of power consumption - Eco friendly

CE & UL certified, Soft start - increase film life, Stable at all fluctuations, 40% less power consumption

PONDICHERRY

Connecting upto **3** ports

(Chennai, Tuticorin, Cochin)

DHARWAD

Connecting upto **4** ports in mumbai

EXPORT FACILITIES

STANDARD QUALITY TEST

LAMINATION

Quality Tests

Boil test
Optical distortion test
Secondary image test
UV chamber test
Penetration test
Impact resistance test



Quality Tests

Head form test
Pummel
Pendulum test
Light transmission test
Fracture Adhesion test

TPRS ECOSAFE



IGU CAPABILITIES

- ❖ Customized bend IGU
- ❖ Argon filled panels for effective insulation
- ❖ IGU with Georgian bars
- ❖ Heavy laminated panels
- ❖ Intricate shapes of DGU
- ❖ IGU with sleeves

CAPACITY : Machine processing line :
2400 mm × 4500 mm

12,000 Sq. Meters + of glass per month

Manual processing for intricate shapes and designs – Bend IGU - Step Glazing and triple glazing also available

Robotic Sealant facility for insulating panels – ensuring smooth and aesthetically superior glazing finish

TPRS ECOSAFE

IGU highlights

More than **10 years**
Of expertise in IGU

Serviced **1million SQM +**
of IGU glass



STANDARD QUALITY TEST

IGU

Quality Tests

Peel adhesive test
Butterfly test
Dew test
Desiccant test
Argon gas Analyser



Quality Tests

Ratio test
Parallel test
Vacuum test
Shore A hardness test
Elasticity test

DOWSIL – Quality Bond



TPRS'S HIGH QUALITY ECOSAFE GLASS

IS ASSURED BY DOWSIL

We practise and maintain regular testing of IGU. To assure our process and product quality Dowsil has provided their quality bond certificate by regular audit.

We are the only processor in South India to hold Dowsil's quality bond certification



TPRS INNOVINK DIGITAL PRINTING

Only Indian processor – World's prestigious
(Ferro – DIPTECH GPI) digital ceramic
printing machine for glass



Inhouse design and graphics team





TPRS TUFFGLASS

- ❖ Customized bend glass
- ❖ Range of glass from 3.5mm to 22mm
- ❖ Heat strengthened glass
- ❖ Intricate shapes and cutout glasses

Capacity :

Maximum toughening capacity 2300 mm × 4700 mm



TPRS ARCHSAFE

- ❖ Toughened bend glass
- ❖ Single / Multi axis bend glass
- ❖ Curved DGU
- ❖ Laminated bend glass

INHOUSE DIE MAKING TEAM FOR YOUR UNIQUE DESIGNS

Curved templated can be Plywood, Metal Frame

CERTIFICATIONS

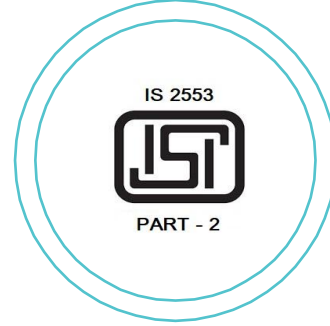
We are certified under Indian, European and Australian Standards



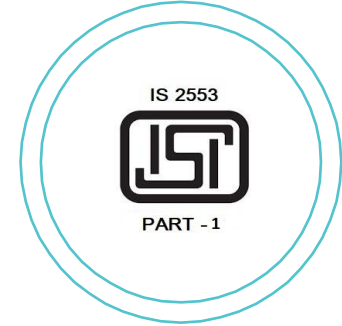
ISO 9001:2015



IATF 16949:2016



ISI 2553 Part 2



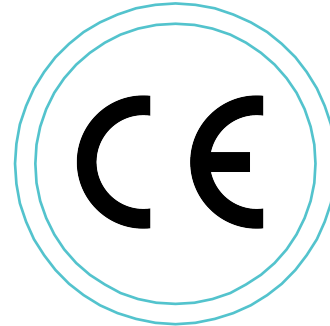
ISI 2553 Part 1



E Mark



COP (Conformation of
Production)



CE Marking



AS 1288:2006 Marking

2007 - 2008

ISO 9001:2000, E-Mark & ISI

ROAD MAP TO QUALITY

1

2

2009 - 2010

ISI, SGC 2 STAR , ISO 9001:2008 & TS 16949 : 2009, COP SGC 3 Star

3

4

2013 - 2014

ISO 9001:2008 & TS 16949 : 2009 , SGC 3 Star, ISI & CE Certification

5

6

2017 - Till date

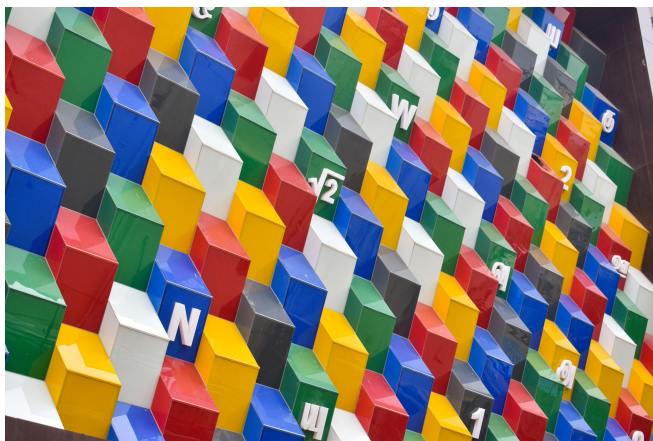
ISO 9001:2016 & IATF 16949 : 2016,
SGC 3 Star, ISI & CE Certification,
AS Certification.

2011 - 2012

ISO 9001:2008 ISI & TS 16949 : 2009, SGC 3 star

2015-2016

ISO 9001:2008 & TS 16949 : 2009 , SGC 3 Star,
ISI & CE Certification

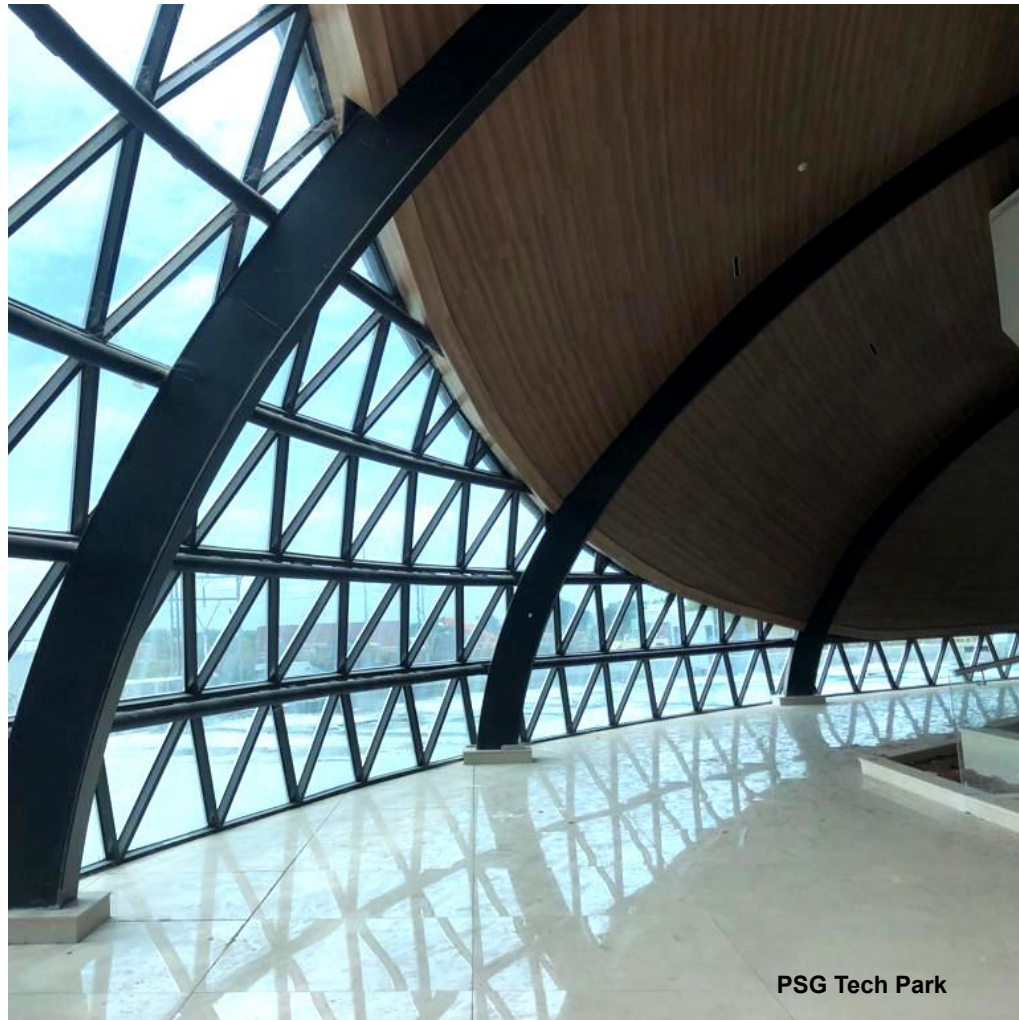


Printed Glass Elevation

 Long Term Protection

San Academy, Chennai





PSG Tech Park

PROJECT VOLUME : 4000 SQM

NetApp, Bangalore

SKN 144 IGU, KS 146 IGU

INFOSYS, BHUBANESWAR

SKN 454 IGU PANELS

PROJECT VOLUME : 5000 SQM

PRESTIGE TRADE TOWER, BANGALORE

KS 138 IGU PANELS



PROJECT VOLUME : 8000 SQM

MANTRI PINNACLE, BANGALORE

KT 755 IGU PANELS

ISRO , BANGALORE

SKN 154 IGU PANELS

TITAN INTEGRITY CAMPUS, BANGALORE

Bend Laminated and SGU Panel for spider glazing curved facade

MODI MASJID, BANGALORE

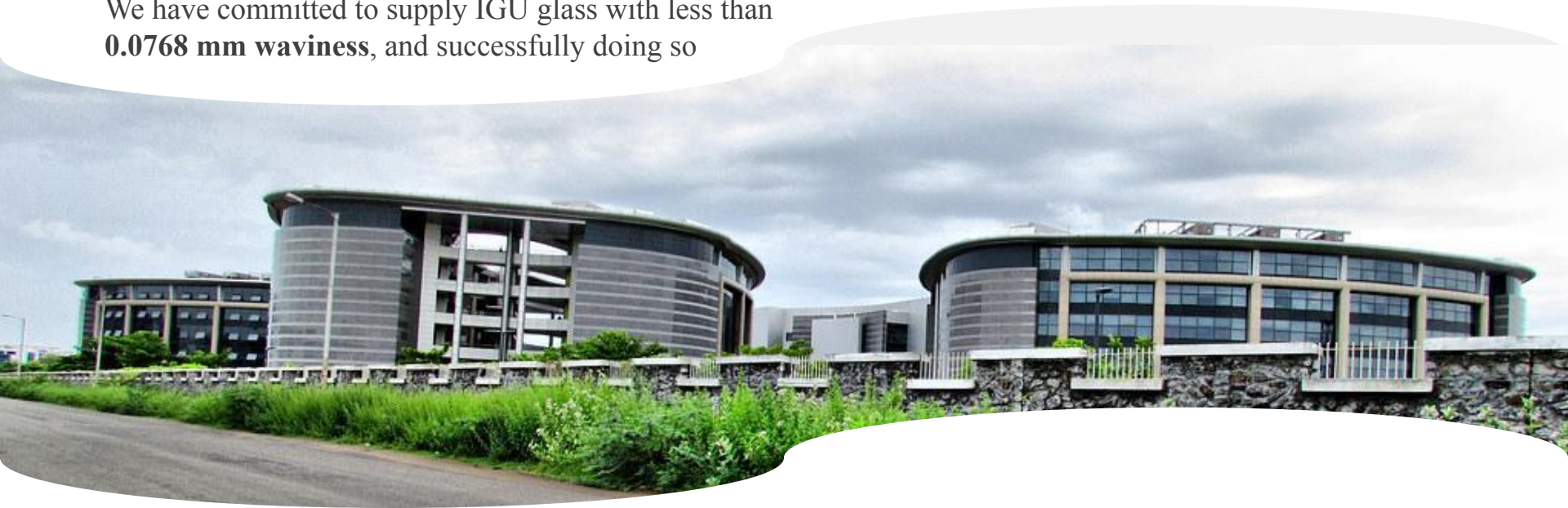
Printed multi axial bent laminated glass

SYNTEL PROJECT EQUINOX

Volume – 40,000 sqm (Approx)

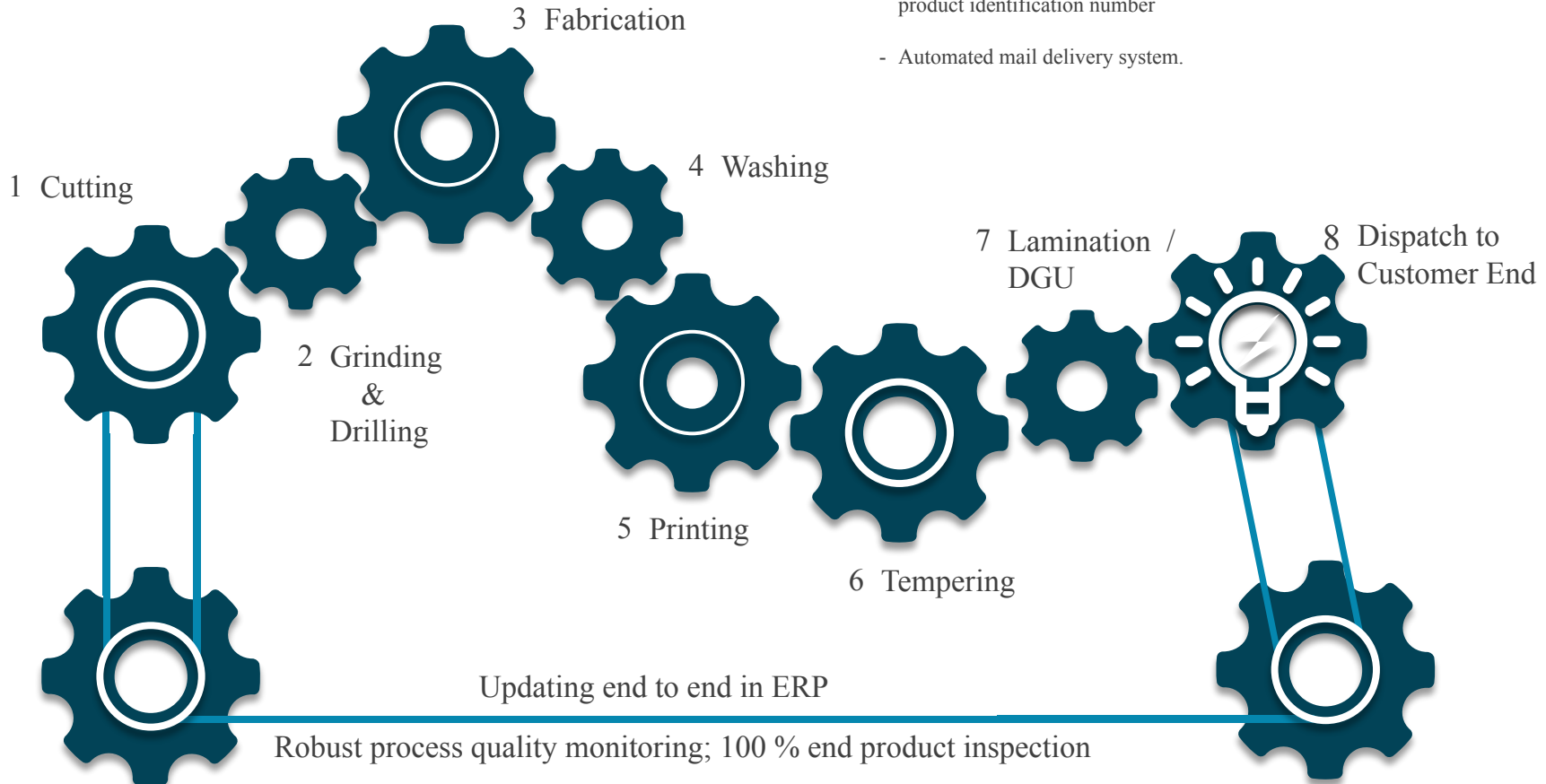
We are currently working on the most prestigious Syntel
(**Architect** : Edifice Architect Pvt. Ltd
Consultant : Synergy Façade consultant)

We have committed to supply IGU glass with less than
0.0768 mm waviness, and successfully doing so

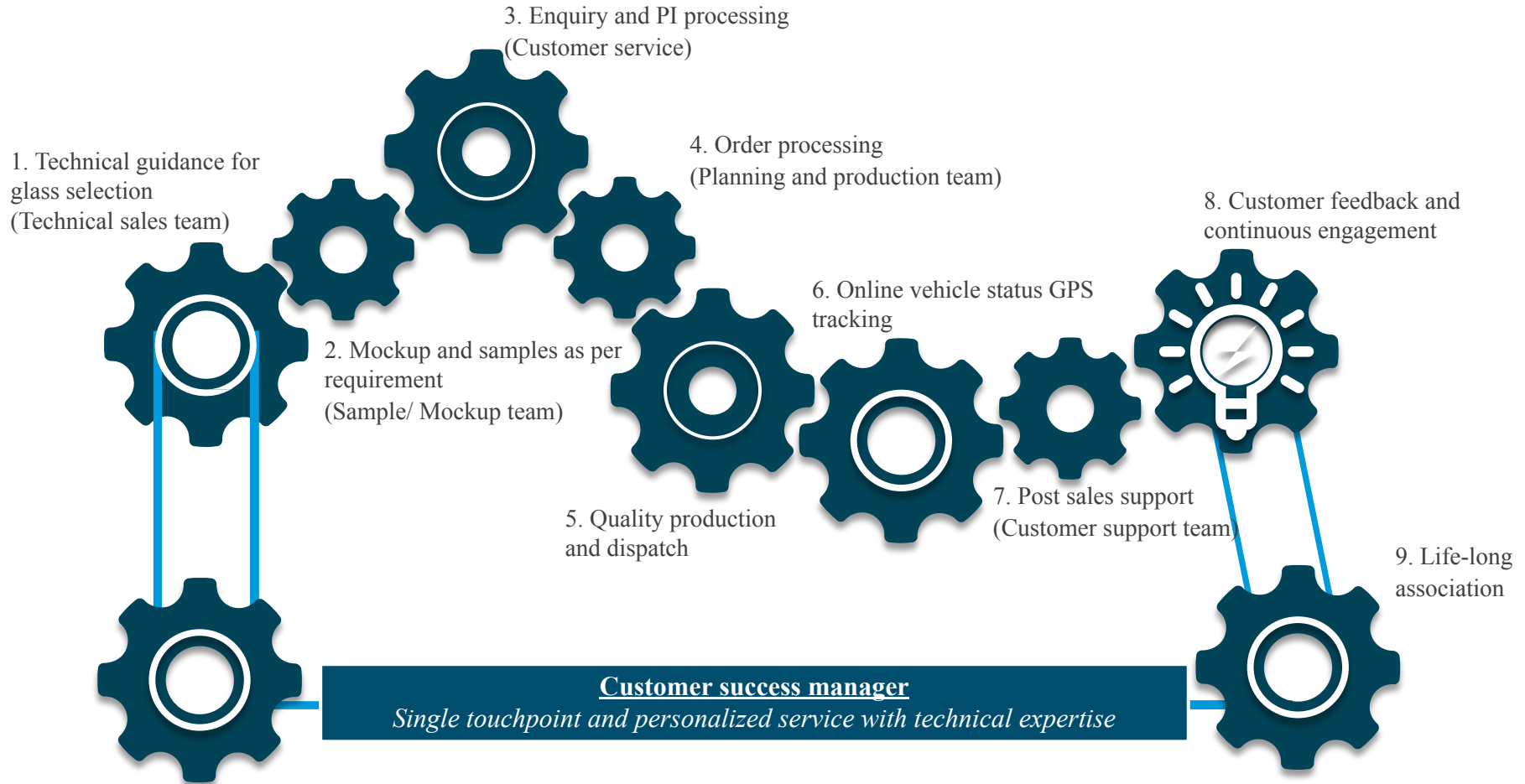


PRODUCTION PROCESS FLOW

- 100 % product and process traceability based on customer product identification number
- Automated mail delivery system.

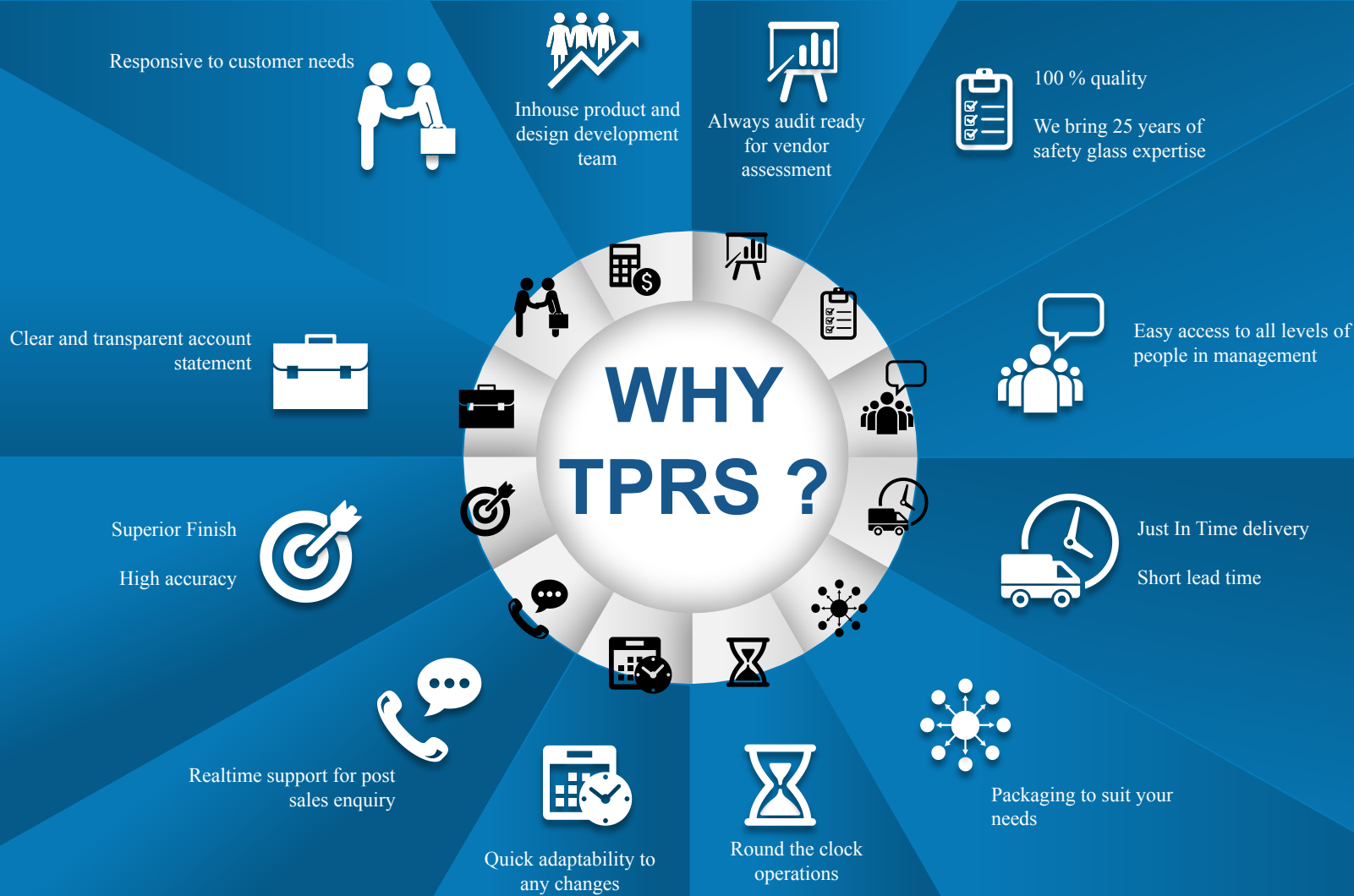


SALES PROCESS FLOW



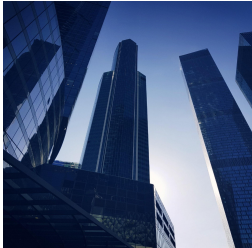
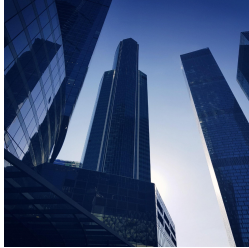


TPRS
commitment
Q S P I



TRUST TPRS

to explore glass



**Operating from Puducherry,
Servicing PAN India.**

Please visit us to know more.

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enquiry@tprsenterprises.in



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Bahour Commune, Puducherry - 607402



www.tprsenterprises.in

We will be happy to assist you with the most trusted glass and fabrication suggestions

“

TPRS
Values – QSPI

- Quality
- Serviceability
- Professionalism
- Innovation