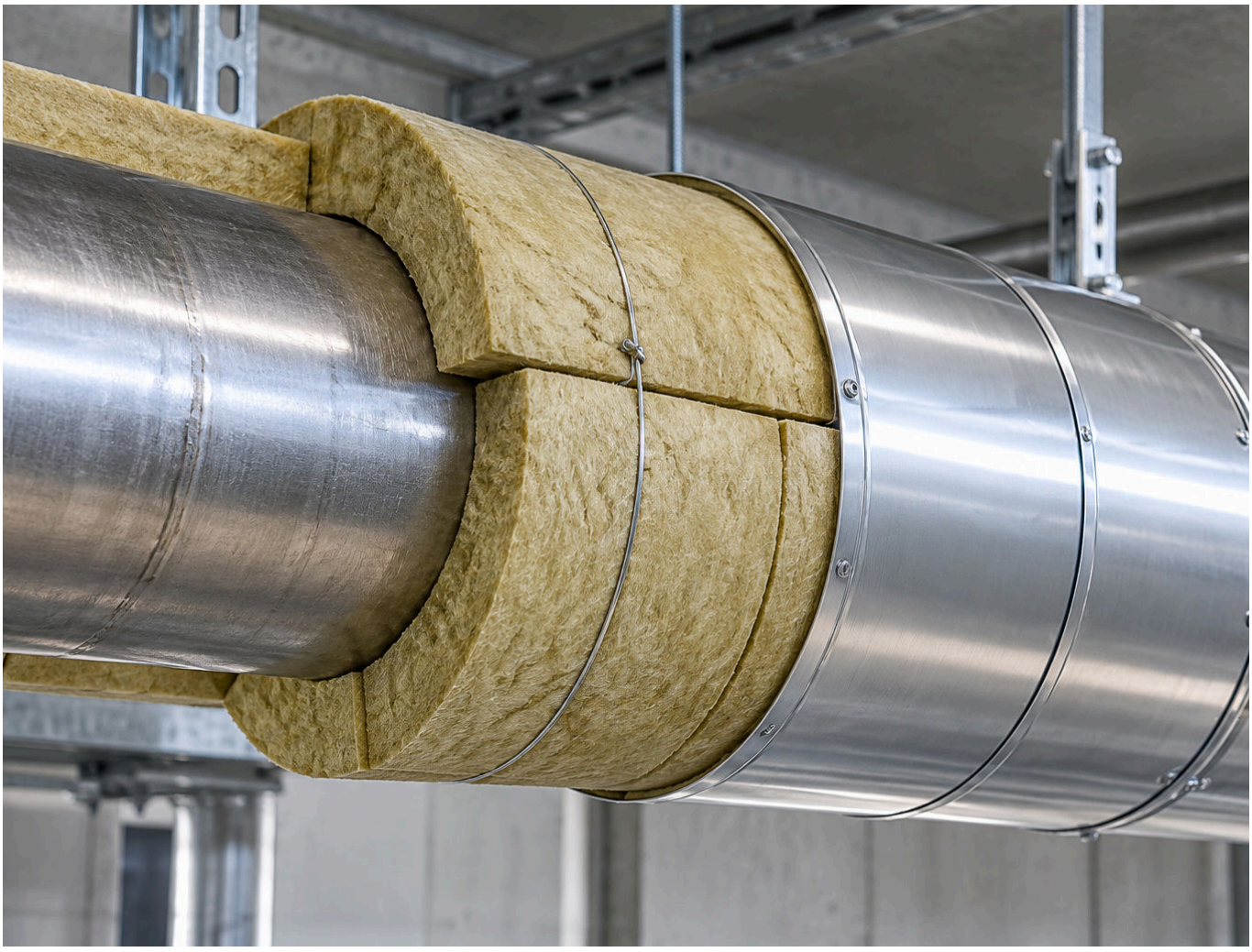
SPECIALISATION 12 / 22

# TECHNICAL INSULATION

Energy efficiency through technical detailing



## FROM PLANNING TO DOCUMENTED HANDOVER



info@synera.dk

ABOUT ÆDRA AND OUR DELIVERY METHOD

# EXPERIENCE BEHIND THE WORK

**20+** **years of combined professional construction experience**

Ædra ApS brings together professional know-how developed through subcontracting in Italy since 2006 and construction management, coordination and delivery in Denmark. This experience belongs to the team and leadership; it is not a claim about the company's incorporation date.

## WHAT CLIENTS CAN EXPECT

### 01 CLEAR SCOPE

Materials, trade boundaries, access requirements and responsibilities are agreed before mobilisation.

### 02 COORDINATED EXECUTION

Resources, sequencing, site supervision and inspections follow the project programme.

### 03 DOCUMENTED HANDOVER

Inspection records, concealed-work photographs and nonconformity close-out are tracked.

### DANSK INDUSTRI (DI)

The companies' DI membership and applicable collective agreements are stated on the basis of company information. The relevant agreement depends on the employer, occupation and assignment. DI membership is not a technical certification.

SOLUTIONS AND APPLICATIONS

# FOUR DISTINCT WORK PACKAGES

Every work package is defined through a buildable scope, clear interfaces, quality checks and documented completion.



## 01 Pipe thermal insulation and metal jacketing

Select the specified insulation build-up for hot or cold pipes, fit sections without gaps and install protective jacketing.

## 02 HVAC duct insulation

Install prescribed thermal, acoustic or fire insulation to ductwork with suitable mechanical fixing and finished seams.

## 03 Valves, flanges and equipment insulation

Plan removable insulation covers and metal protection around inspection points and moving components.

## 04 Acoustic insulation and technical service interfaces

Coordinate pipe and duct insulation at brackets, walls, penetrations and adjacent technical systems.

EXECUTION AND QUALITY CONTROLS

# TECHNICAL DELIVERY / CONTROL POINTS

## 01 Pipe thermal insulation and metal jacketing

### INSTALLATION / DELIVERY METHOD

Select the specified insulation build-up for hot or cold pipes, fit sections without gaps and install protective jacketing.

### QUALITY HOLD POINT

Check thickness, seams, hangers, penetrations and condensation control as relevant.

## 02 HVAC duct insulation

### INSTALLATION / DELIVERY METHOD

Install prescribed thermal, acoustic or fire insulation to ductwork with suitable mechanical fixing and finished seams.

### QUALITY HOLD POINT

Verify approved material, joint continuity, fire-performance scope and maintenance accessibility.

EXECUTION AND QUALITY CONTROLS

# TECHNICAL DELIVERY / CONTROL POINTS

## 03 Valves, flanges and equipment insulation

### INSTALLATION / DELIVERY METHOD

Plan removable insulation covers and metal protection around inspection points and moving components.

### QUALITY HOLD POINT

Check accessibility, full surface coverage, identification and compatibility with operating temperatures.

## 04 Acoustic insulation and technical service interfaces

### INSTALLATION / DELIVERY METHOD

Coordinate pipe and duct insulation at brackets, walls, penetrations and adjacent technical systems.

### QUALITY HOLD POINT

Check sound bridges, continuous sealing, vapour control and inspection documentation.

MATERIALS AND TRADE INTERFACES

# DETAILS THAT MAKE DELIVERY RELIABLE

Confirm the design intent before installation; record concealed interfaces; release the next trade only when the relevant quality hold point is closed.



## FOUR CRITICAL INTERFACE QUESTIONS

**01** Approved substrate and loads

**02** Material and system selection

**03** Trade and service interfaces

**04** Inspection and handover evidence

SYSTEM REQUIREMENT: Dimensions, classifications, installation approvals and permissible activities are established by the project design and the selected manufacturer's documented system.

PROGRAMME / QA-QC / HSE

# A DELIVERY PROCESS THAT CAN BE VERIFIED

## 01 PROJECT DEFINITION

Scope boundaries, design revisions, materials and acceptance criteria.

## 02 PLANNING & LOGISTICS

Access, sequence, deliveries, interfaces and temporary works.

## 03 FIRST INSTALLATION

Inspect first-off work or a representative mock-up before repetition.

## 04 ROUTINE INSPECTIONS

Photographs, dimensions and records of work that will be concealed.

## 05 DEFECTS & FOLLOW-UP

Assign observations, corrective actions and close-out responsibilities.

## 06 HANDOVER

Deliver checklists, relevant product records and the agreed dossier.

Safety arrangements and competence boundaries must be agreed for the assignment. Reserved electrical and plumbing installations must be undertaken and signed off by appropriately authorised contractors; Ædra may coordinate builders' works and installation support within its agreed scope.

# ÆDRA

SPECIALISATION 12 / INSULATION

# FROM FIRST SET-OUT TO THE FINAL INSPECTION.

## YOUR PARTNER FOR A COORDINATED PACKAGE

Ædra supports complex building projects through specialised execution, site coordination and documented quality. Share your project, drawings and programme so we can clarify scope and the next step together.

INFO@SYNERA.DK

### SELECTED TECHNICAL REFERENCES

01 rockwool.com/dk/

02 armacell.com/

03 dibnet.dk/

Images are illustrative and do not represent verified Ædra project references. Fire, acoustic, radiation shielding and structural performance must be checked against the approved project design and tested system details. Membership and collective agreements are stated from company information.

ÆDRA

SYNERA GROUP

# Explore all 22 Ædra work areas

09 Civil works & foundation excavation

10 Precast & prefabricated element installation

02 Drywall, X-ray linings & specialist interiors

04 Suspended & airtight ceilings

05 Timber acoustic ceilings & wall cladding

14 Flooring & finishes

15 Painting & surfaces

16 Doors, windows & joinery

17 Masonry, plastering & tiling

18 Renovation & fit-out

06 Ventilation and ductwork

07 Plumbing, pipework & mechanical interfaces

08 Electrical interfaces & builders' works

12 Technical pipe insulation

13 Cladding & ventilated façades

03 Vapour barriers & airtightness

01 Passive fire protection & firestopping

11 Site management, QA/QC & delivery support

19 Cutting & core drilling

20 Roofing & waterproofing

21 ETICS & rendered façades

22 Selective strip-out