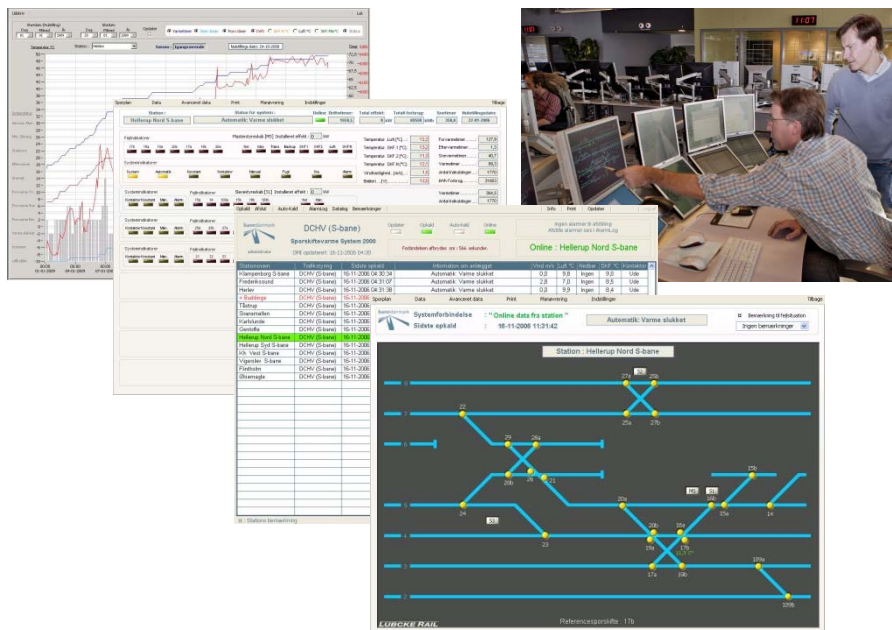




SUPERVISION SOFTWARE (SCADA)

RAILWAY SWITCH POINT HEATING



Reliable Winter Railway Traffic

Get instant error messages about missing heating in critical switches and react in time.



Up to 60% Energy Saving

Heating only when needed - based on latest official meteorological institute weather reports and locale weather stations.



Energy management

Energy counters for every switch combined with stored weather information makes optimization easy.



Reduce Maintenance Cost

Bundle and prioritize service and maintenance calls based on on-line switch point information.



Save installation cost

Use existing communication installations or wire less GPRS. No need for new wire installations.



Easy adoption

Install as a Stand alone application or make it integrate with the existing Scada system or run it as a WEB application.

On-line Management and Control software to Bond all Heated Switches in a Territory Together. Valuable Information at the Fingertip of:

- Traffic Control Department.
- Maintenance Department.
- Technical Department.

System Blue Point is a scalable modular system ranging from small stand alone heating systems to large intelligent weather controlled solutions with scada interface and management of energy & maintenance.

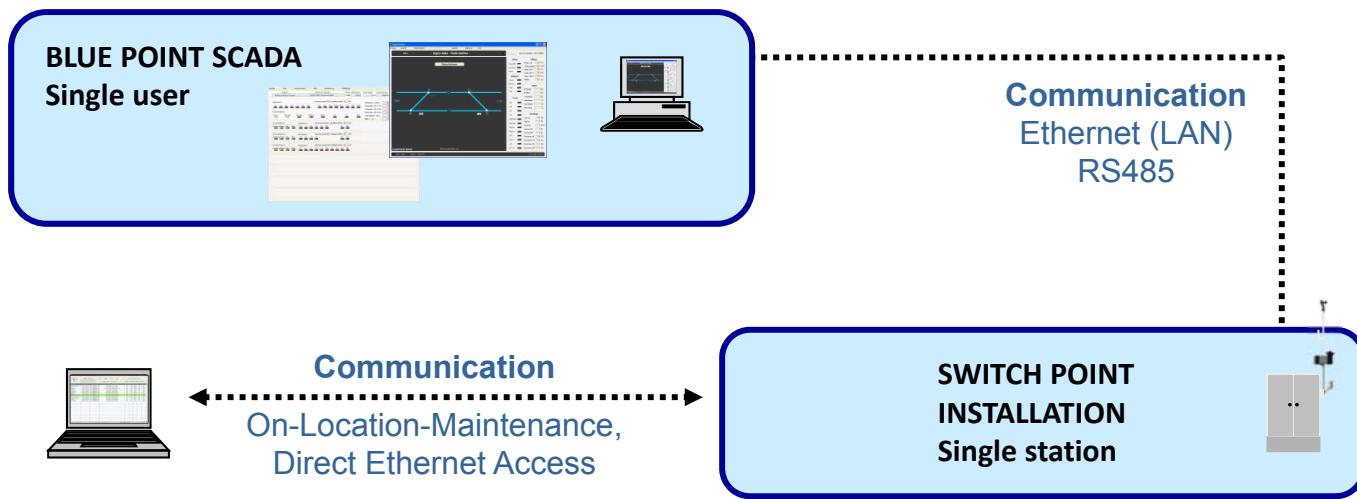
“Management & Remote Control” is the scalable software package that makes System Blue Point an energy and maintenance cost efficient switch point heating solution.

Energy saving without never compromising the track conditions for reliable train operation.

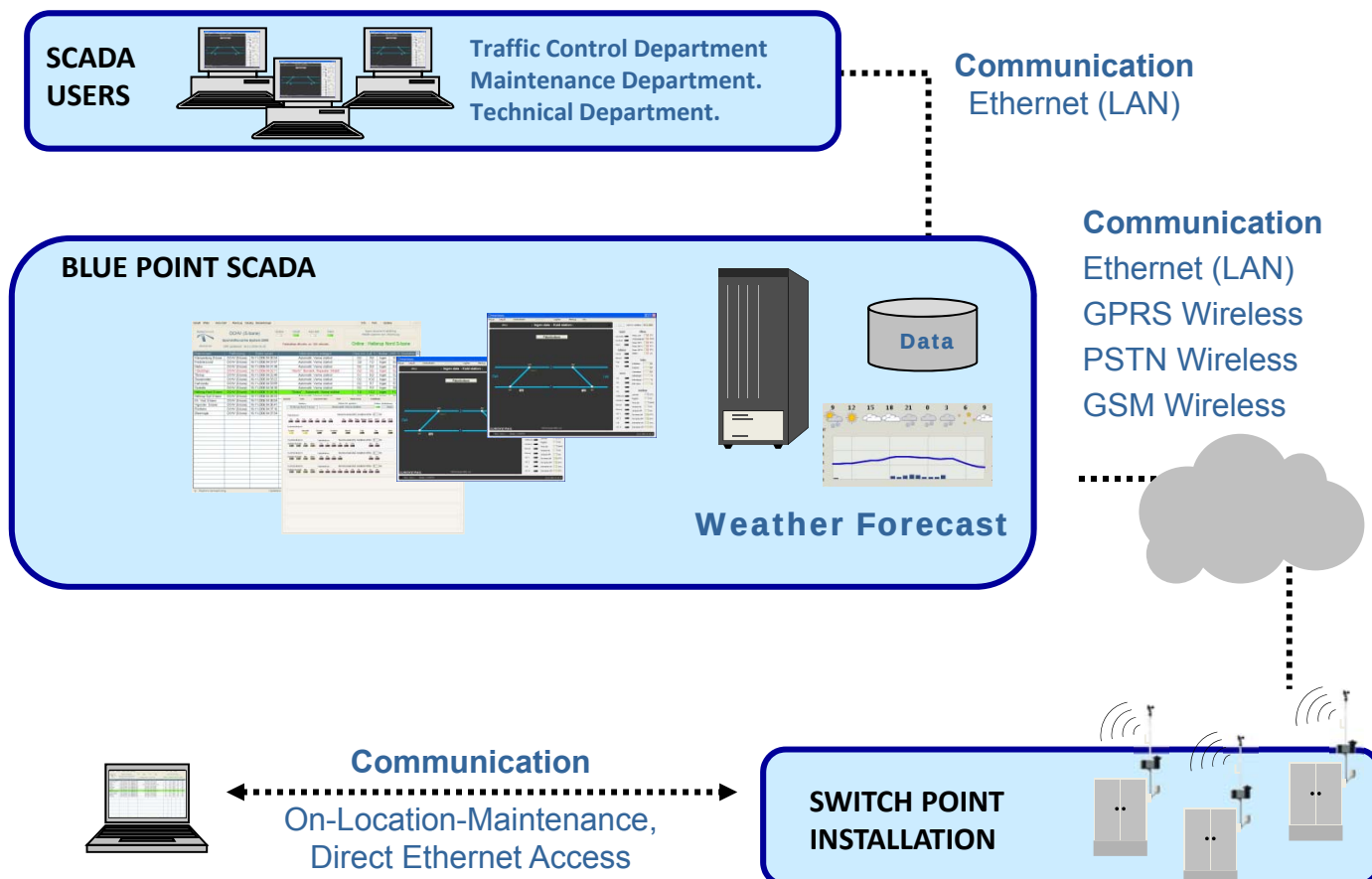
Get full control over:

- Individual Temp. settings for every station.
- Energy counters and statistics.
- Call for maintenance.
- Read out locale weather conditions
- Force individual switches to heat
- Errors or other small functions on-line

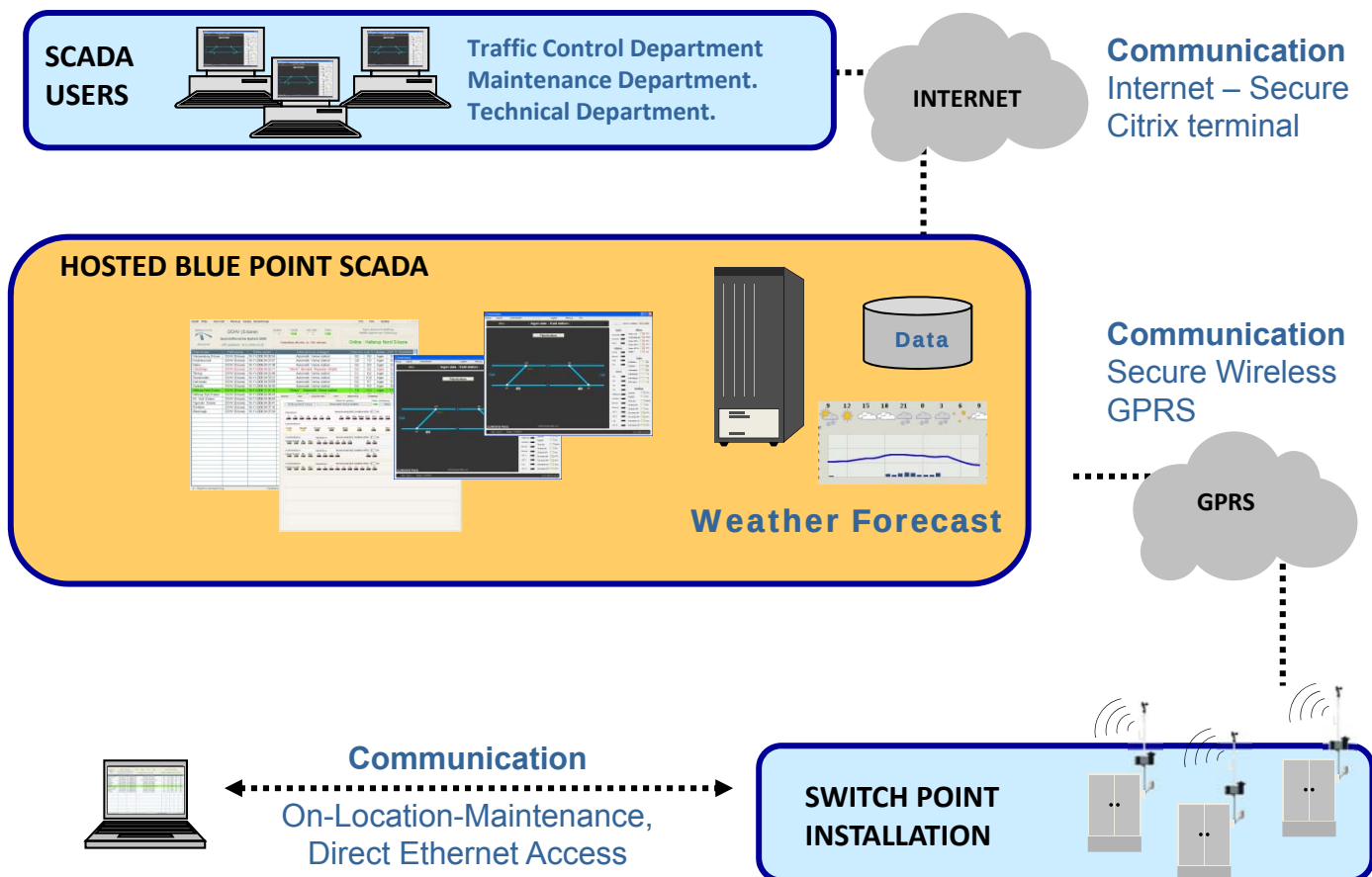
BLUE POINT LITE SOLUTION (SINGLE USER – SINGLE STATION)



BLUE POINT TERRITORY SOLUTION (MULTI USER – MULTI STATIONS)

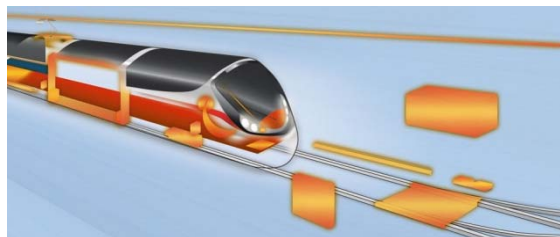


BLUE POINT INTERNET TERRITORY SOLUTION (MULTI USER – MULTI STATIONS)



SAN Electro Heat A/S (Member of the NIBE group)

Danish located international company offering more than 50 years of experience in development and manufacture of advanced technical electric heating solutions and components. Products are highly cost and energy optimized, and developed together with our customers. Our focus and know-how is divided into four business areas: Railway Systems, Wind Power, Process Heating and Heating Cables.



SAN Electro Heat - Railway (Part of NIBE Element - Railway Solutions)

Supply of complete systems, which secure optimum operation under any winter weather situations: Switch point heating, overhead wire de-icing and third rail de-icing. Our aim is to supply highly efficient systems that reduce energy consumption as well as the total cost of ownership. From heating elements through intelligent controllers to advanced server based computer monitor program. Including all necessary fittings, power transformers, weather stations etc. Rolling stock comfort heating, door step de-icing, heating of hydraulic systems, toilet/waste water systems and test load resistors.

Our design has proven its reliability through thousands of installations all over Europe.

SAN Electro Heat a/s - Railway

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